



Full wwPDB NMR Structure Validation Report ⓘ

Mar 5, 2026 – 12:01 PM UTC

PDB ID : 3ZG4 / pdb_00003zg4
BMRB ID : 18900
Title : NMR structure of the catalytic domain from *E. faecium* L,D- transpeptidase
Authors : Lecoq, L.; Dubee, V.; Triboulet, S.; Bougault, C.; Hugonnet, J.E.; Arthur, M.; Simorre, J.P.
Deposited on : 2012-12-14

This is a Full wwPDB NMR Structure Validation Report for a publicly released PDB entry.

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/NMRValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

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

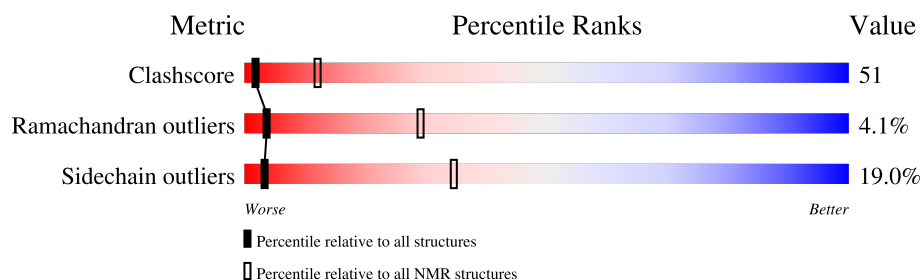
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 96%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	129	

2 Ensemble composition and analysis

This entry contains 20 models. Model 17 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:343-A:394, A:404-A:466 (115)	0.18	17

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

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

The models can be grouped into 3 clusters and 3 single-model clusters were found.

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

3 Entry composition [i](#)

There is only 1 type of molecule in this entry. The entry contains 1983 atoms, of which 956 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called ERFK/YBIS/YCFS/YNHG.

Mol	Chain	Residues	Atoms							Trace
1	A	129	Total	C	H	N	O	S		0
			1983	657	956	161	203	6		

There are 3 discrepancies between the modelled and reference sequences:

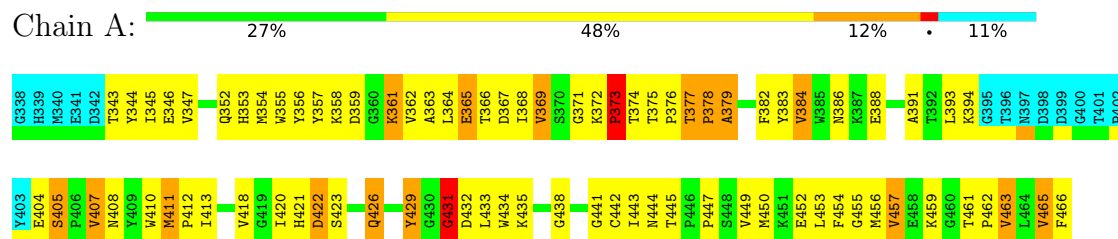
Chain	Residue	Modelled	Actual	Comment	Reference
A	338	GLY	-	expression tag	UNP Q3Y185
A	339	HIS	-	expression tag	UNP Q3Y185
A	340	MET	-	expression tag	UNP Q3Y185

4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

- Molecule 1: ERFK/YBIS/YCFS/YNHG

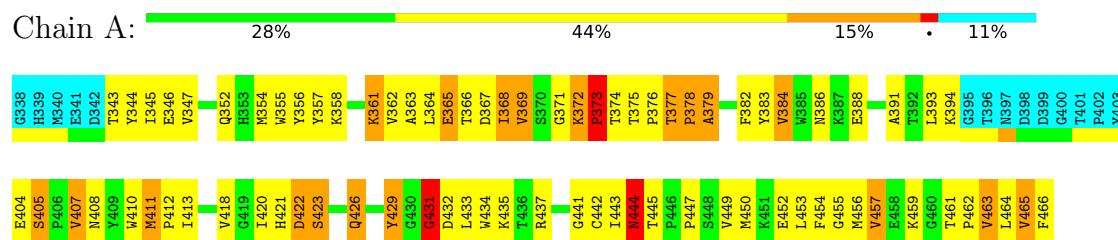


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

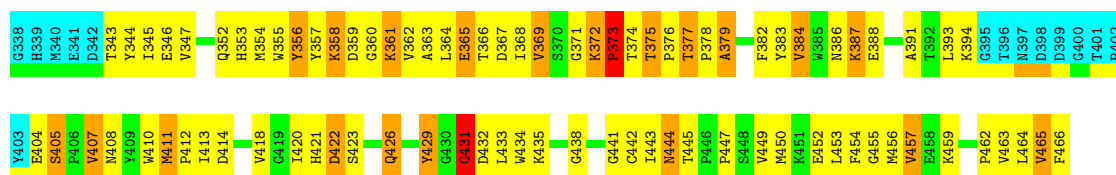
- Molecule 1: ERFK/YBIS/YCFS/YNHG



4.2.2 Score per residue for model 2

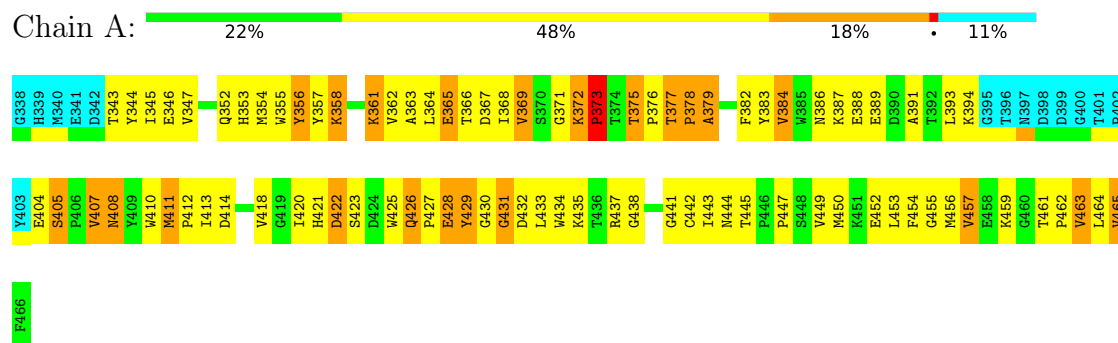
- Molecule 1: ERFK/YBIS/YCFS/YNHG





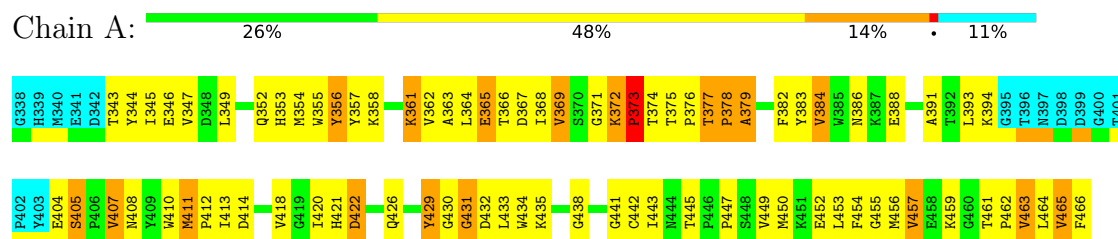
4.2.3 Score per residue for model 3

- Molecule 1: ERFK/YBIS/YCFS/YNHG



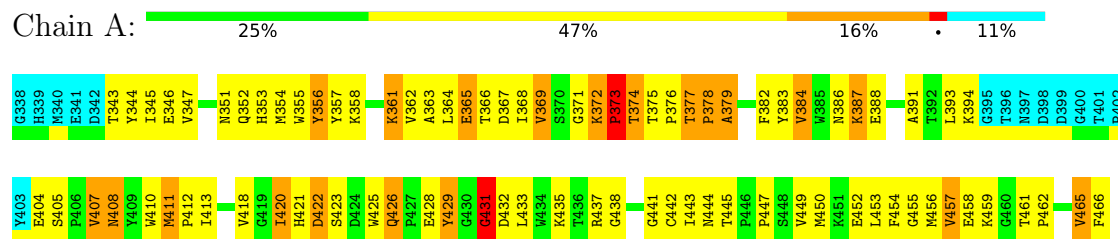
4.2.4 Score per residue for model 4

- Molecule 1: ERFK/YBIS/YCFS/YNHG



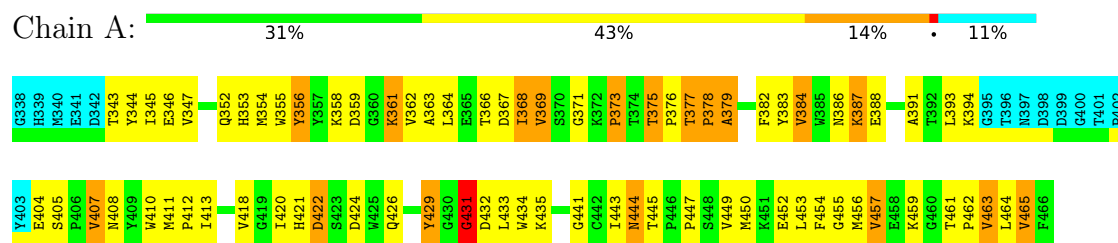
4.2.5 Score per residue for model 5

- Molecule 1: ERFK/YBIS/YCFS/YNHG



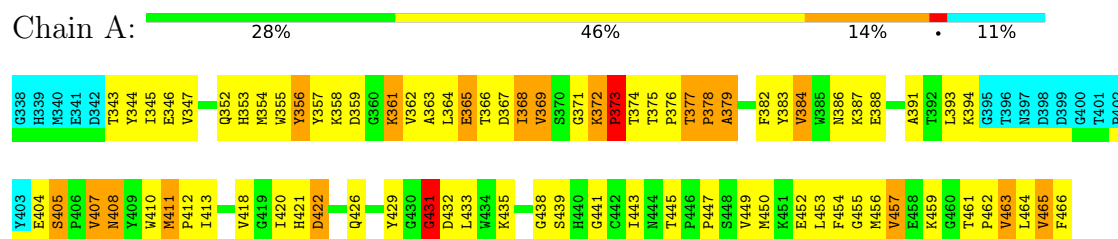
4.2.6 Score per residue for model 6

- Molecule 1: ERFK/YBIS/YCFS/YNHG



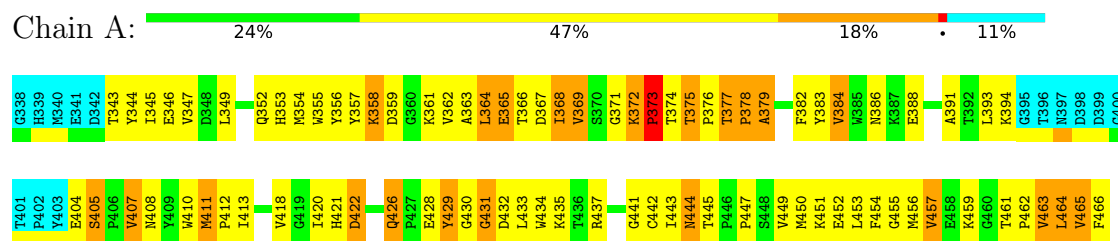
4.2.7 Score per residue for model 7

- Molecule 1: ERFK/YBIS/YCFS/YNHG



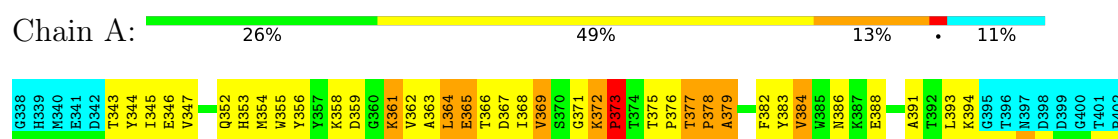
4.2.8 Score per residue for model 8

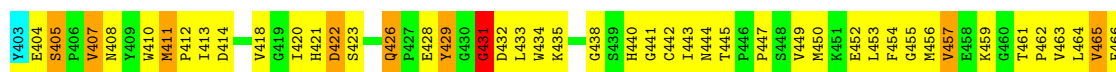
- Molecule 1: ERFK/YBIS/YCFS/YNHG



4.2.9 Score per residue for model 9

- Molecule 1: ERFK/YBIS/YCFS/YNHG

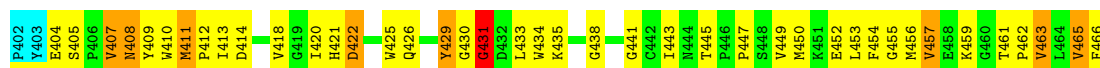




4.2.10 Score per residue for model 10

- Molecule 1: ERFK/YBIS/YCFS/YNHG

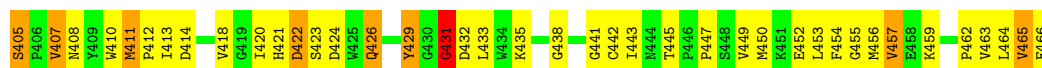
Chain A: 29% 46% 13% • 11%



4.2.11 Score per residue for model 11

- Molecule 1: ERFK/YBIS/YCFS/YNHG

Chain A: 29% 47% 13% • 11%



4.2.12 Score per residue for model 12

- Molecule 1: ERFK/YBIS/YCFS/YNHG

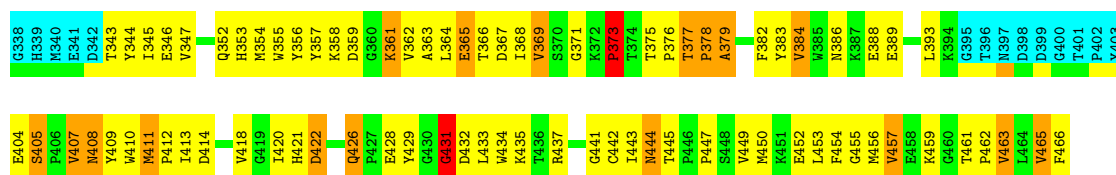
Chain A: 28% 47% 12% • 11%



4.2.13 Score per residue for model 13

- Molecule 1: ERFK/YBIS/YCFS/YNHG

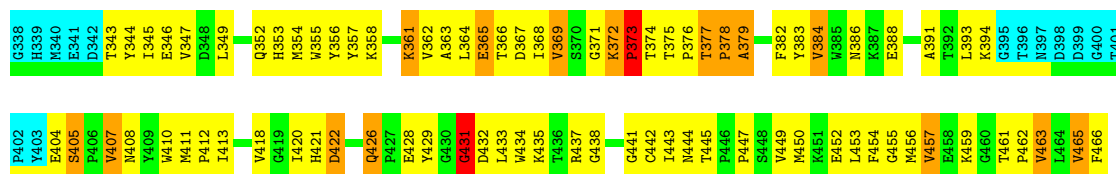
Chain A: 28% 47% 13% • 11%



4.2.14 Score per residue for model 14

- Molecule 1: ERFK/YBIS/YCFS/YNHG

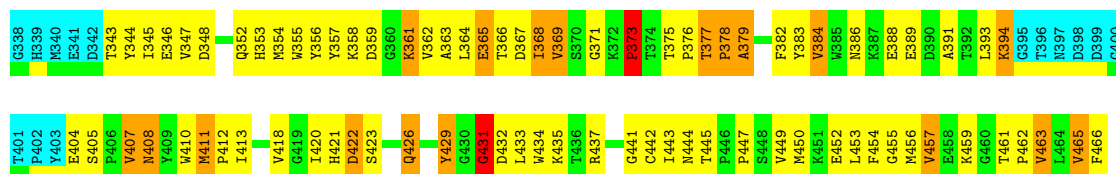
Chain A: 26% 50% 12% 11%



4.2.15 Score per residue for model 15

- Molecule 1: ERFK/YBIS/YCFS/YNHG

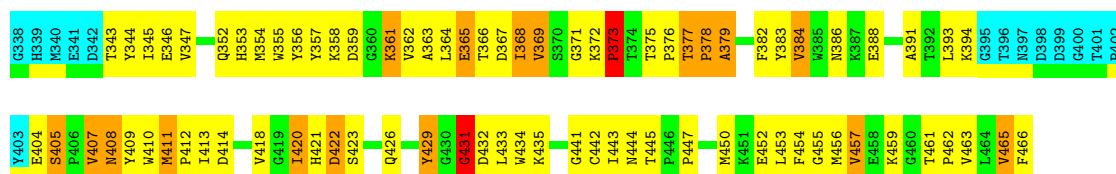
Chain A: 27% 47% 14% 11%



4.2.16 Score per residue for model 16

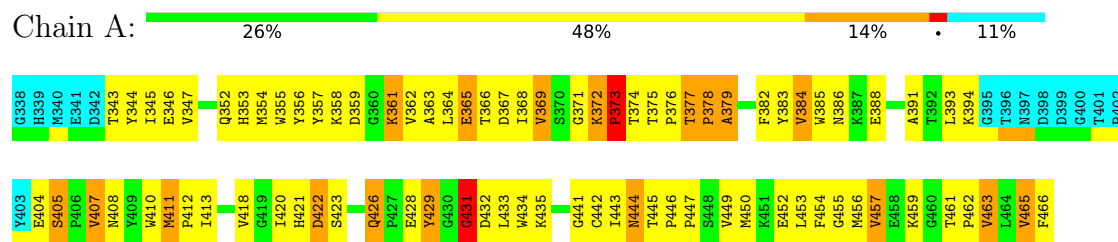
- Molecule 1: ERFK/YBIS/YCFS/YNHG

Chain A: 28% 47% 13% 11%



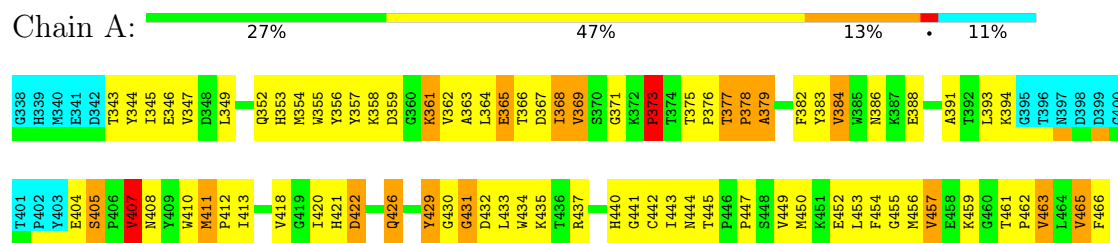
4.2.17 Score per residue for model 17 (medoid)

- Molecule 1: ERFK/YBIS/YCFS/YNHG



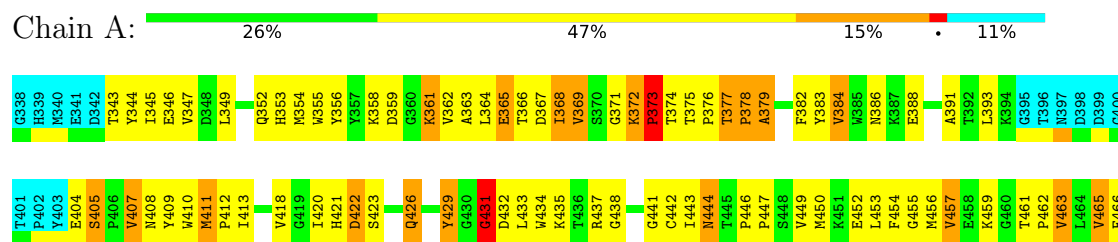
4.2.18 Score per residue for model 18

- Molecule 1: ERFK/YBIS/YCFS/YNHG



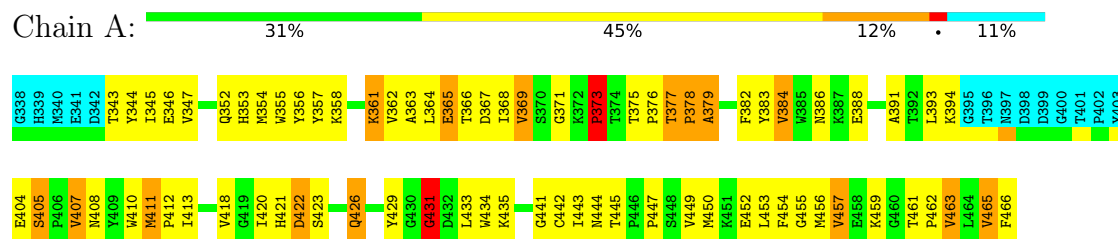
4.2.19 Score per residue for model 19

- Molecule 1: ERFK/YBIS/YCFS/YNHG



4.2.20 Score per residue for model 20

- Molecule 1: ERFK/YBIS/YCFS/YNHG



5 Refinement protocol and experimental data overview

The models were refined using the following method: *ARIA2.3*.

Of the 1700 calculated structures, 20 were deposited, based on the following criterion: *TOTAL ENERGY*.

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

Software name	Classification	Version
CNS	refinement	
UNIO	structure solution	10
TALOS	structure solution	
CcpNmr Analysis	structure solution	ANALYSIS

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1597
Number of shifts mapped to atoms	1597
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	96%

6 Model quality i

6.1 Standard geometry i

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	1.21±0.01	0±0/955 (0.0± 0.0%)	1.14±0.02	3±1/1305 (0.2± 0.0%)
All	All	1.21	5/19100 (0.0%)	1.14	57/26100 (0.2%)

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

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	0.9±0.5
All	All	0	19

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	426	GLN	C-N	-5.59	1.28	1.33	9	1
1	A	358	LYS	N-CA	-5.50	1.39	1.46	12	4

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

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	407	VAL	N-CA-CB	-6.12	105.36	112.34	18	1
1	A	408	ASN	N-CA-C	-5.75	106.81	113.88	11	15
1	A	375	THR	CA-C-N	5.67	125.64	120.03	20	20
1	A	375	THR	C-N-CA	5.67	125.64	120.03	20	20
1	A	444	ASN	CA-CB-CG	5.40	118.00	112.60	1	1

There are no chirality outliers.

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

ensemble.

Mol	Chain	Res	Type	Group	Models (Total)
1	A	431	GLY	Peptide	16
1	A	356	TYR	Sidechain	3

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	923	874	872	92±4
All	All	18460	17480	17440	1830

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 51.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:352:GLN:OE1	1:A:369:VAL:HA	0.79	1.76	6	12
1:A:411:MET:SD	1:A:457:VAL:HG22	0.73	2.22	6	1
1:A:352:GLN:NE2	1:A:368:ILE:HD12	0.71	2.00	1	1
1:A:373:PRO:CD	1:A:435:LYS:HA	0.71	2.15	13	20
1:A:407:VAL:HG21	1:A:421:HIS:HB2	0.71	1.60	5	17
1:A:426:GLN:HB3	1:A:444:ASN:OD1	0.71	1.85	1	3
1:A:389:GLU:HA	1:A:408:ASN:O	0.70	1.86	13	4
1:A:414:ASP:OD2	1:A:418:VAL:HB	0.70	1.86	9	5
1:A:409:TYR:HB2	1:A:450:MET:SD	0.70	2.26	19	1
1:A:382:PHE:HB2	1:A:463:VAL:HG22	0.69	1.62	6	15
1:A:393:LEU:HB2	1:A:405:SER:CB	0.68	2.19	16	20
1:A:379:ALA:HB1	1:A:466:PHE:HA	0.67	1.66	12	16
1:A:382:PHE:CB	1:A:463:VAL:HG22	0.67	2.19	17	15
1:A:362:VAL:HG21	1:A:365:GLU:HG2	0.66	1.67	1	17
1:A:367:ASP:OD2	1:A:429:TYR:HB2	0.66	1.91	3	15
1:A:371:GLY:O	1:A:376:PRO:HA	0.66	1.91	6	20
1:A:356:TYR:CD1	1:A:363:ALA:HB3	0.66	2.25	8	20
1:A:352:GLN:OE1	1:A:368:ILE:HD12	0.65	1.92	16	2
1:A:383:TYR:O	1:A:413:ILE:HA	0.65	1.92	7	20
1:A:407:VAL:HG11	1:A:410:TRP:HB2	0.64	1.68	15	20
1:A:379:ALA:HA	1:A:465:VAL:HG22	0.64	1.69	13	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:369:VAL:O	1:A:444:ASN:HB2	0.63	1.93	6	4
1:A:393:LEU:HB2	1:A:405:SER:HB3	0.63	1.70	16	15
1:A:422:ASP:N	1:A:450:MET:HG2	0.62	2.09	6	19
1:A:452:GLU:O	1:A:456:MET:HG2	0.62	1.95	3	20
1:A:352:GLN:NE2	1:A:431:GLY:HA2	0.62	2.10	18	1
1:A:352:GLN:HB3	1:A:368:ILE:O	0.61	1.95	1	20
1:A:355:TRP:CD1	1:A:362:VAL:HG11	0.61	2.30	6	19
1:A:364:LEU:HB2	1:A:456:MET:SD	0.61	2.36	12	20
1:A:386:ASN:HA	1:A:459:LYS:HD3	0.60	1.73	13	20
1:A:393:LEU:HB2	1:A:405:SER:HB2	0.60	1.72	5	5
1:A:366:THR:HB	1:A:449:VAL:HG11	0.60	1.74	17	19
1:A:393:LEU:O	1:A:404:GLU:HA	0.60	1.97	5	20
1:A:386:ASN:O	1:A:412:PRO:HD2	0.60	1.97	2	20
1:A:347:VAL:HG22	1:A:354:MET:HG3	0.60	1.74	10	20
1:A:383:TYR:HA	1:A:462:PRO:HA	0.60	1.72	14	14
1:A:422:ASP:HA	1:A:445:THR:O	0.59	1.96	10	16
1:A:422:ASP:HB2	1:A:447:PRO:HA	0.59	1.75	20	20
1:A:418:VAL:HG13	1:A:441:GLY:O	0.58	1.98	2	18
1:A:423:SER:HB3	1:A:444:ASN:OD1	0.58	1.97	15	1
1:A:422:ASP:N	1:A:450:MET:HG3	0.58	2.13	19	1
1:A:355:TRP:CD1	1:A:365:GLU:HB3	0.58	2.33	1	19
1:A:379:ALA:HA	1:A:465:VAL:CG2	0.57	2.29	6	20
1:A:426:GLN:HB3	1:A:444:ASN:HD21	0.57	1.59	19	1
1:A:352:GLN:NE2	1:A:369:VAL:HA	0.56	2.15	1	2
1:A:371:GLY:C	1:A:376:PRO:HA	0.56	2.25	5	20
1:A:450:MET:SD	1:A:454:PHE:HB2	0.56	2.40	19	1
1:A:431:GLY:O	1:A:433:LEU:HG	0.55	2.01	17	20
1:A:409:TYR:CB	1:A:450:MET:SD	0.55	2.95	19	1
1:A:377:THR:HG21	1:A:443:ILE:HD11	0.55	1.79	2	20
1:A:356:TYR:C	1:A:356:TYR:CD1	0.54	2.85	3	4
1:A:411:MET:SD	1:A:454:PHE:CD1	0.54	3.01	3	16
1:A:382:PHE:CE2	1:A:465:VAL:HG22	0.54	2.38	20	20
1:A:356:TYR:CE2	1:A:456:MET:HB2	0.54	2.38	8	20
1:A:372:LYS:HD2	1:A:374:THR:OG1	0.54	2.02	1	10
1:A:411:MET:SD	1:A:454:PHE:CD2	0.54	3.01	5	2
1:A:383:TYR:CE1	1:A:462:PRO:HB3	0.53	2.38	1	2
1:A:405:SER:HB3	1:A:425:TRP:CH2	0.53	2.39	10	3
1:A:361:LYS:HG3	1:A:362:VAL:N	0.53	2.18	16	16
1:A:450:MET:SD	1:A:453:LEU:HD23	0.53	2.44	4	17
1:A:450:MET:HE3	1:A:454:PHE:HB2	0.53	1.79	2	18
1:A:423:SER:OG	1:A:444:ASN:HB3	0.53	2.04	16	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:369:VAL:HG23	1:A:434:TRP:HA	0.53	1.81	18	16
1:A:343:THR:HG23	1:A:358:LYS:HA	0.53	1.81	4	20
1:A:382:PHE:HB2	1:A:463:VAL:CG2	0.53	2.33	6	15
1:A:423:SER:OG	1:A:426:GLN:HB2	0.53	2.03	11	4
1:A:393:LEU:HD22	1:A:405:SER:OG	0.52	2.05	8	15
1:A:364:LEU:HD13	1:A:456:MET:CE	0.52	2.35	3	20
1:A:421:HIS:O	1:A:445:THR:HB	0.52	2.04	9	14
1:A:371:GLY:CA	1:A:376:PRO:HA	0.52	2.35	4	18
1:A:384:VAL:HA	1:A:412:PRO:O	0.52	2.05	7	18
1:A:393:LEU:HD13	1:A:407:VAL:HB	0.52	1.80	6	16
1:A:362:VAL:CG2	1:A:365:GLU:HG2	0.52	2.34	2	12
1:A:426:GLN:HB3	1:A:444:ASN:ND2	0.52	2.20	19	1
1:A:444:ASN:C	1:A:444:ASN:HD22	0.52	2.12	1	1
1:A:356:TYR:CD1	1:A:356:TYR:C	0.51	2.88	14	16
1:A:373:PRO:HD2	1:A:435:LYS:HA	0.51	1.82	18	16
1:A:410:TRP:CE3	1:A:421:HIS:HB3	0.51	2.40	5	13
1:A:369:VAL:HG23	1:A:434:TRP:CA	0.51	2.36	3	11
1:A:377:THR:HG23	1:A:441:GLY:O	0.51	2.06	11	5
1:A:366:THR:HG21	1:A:445:THR:HG23	0.51	1.83	5	15
1:A:352:GLN:OE1	1:A:431:GLY:HA2	0.51	2.05	4	3
1:A:421:HIS:CD2	1:A:442:CYS:HB2	0.51	2.41	1	12
1:A:382:PHE:HB2	1:A:463:VAL:O	0.51	2.06	17	18
1:A:356:TYR:CE2	1:A:457:VAL:HB	0.50	2.42	6	4
1:A:461:THR:HG22	1:A:462:PRO:O	0.50	2.07	10	17
1:A:407:VAL:CG2	1:A:421:HIS:HB2	0.50	2.37	15	4
1:A:408:ASN:H	1:A:408:ASN:HD22	0.49	1.50	5	1
1:A:345:ILE:HD11	1:A:457:VAL:CB	0.49	2.38	5	20
1:A:352:GLN:HG2	1:A:430:GLY:O	0.49	2.07	8	4
1:A:426:GLN:OE1	1:A:437:ARG:HB3	0.49	2.07	5	9
1:A:388:GLU:HB3	1:A:391:ALA:CB	0.48	2.38	15	17
1:A:347:VAL:HG21	1:A:443:ILE:HG12	0.48	1.84	20	9
1:A:384:VAL:HG21	1:A:411:MET:HG2	0.48	1.85	6	2
1:A:421:HIS:NE2	1:A:442:CYS:HB2	0.48	2.23	4	6
1:A:453:LEU:C	1:A:455:GLY:N	0.48	2.70	4	20
1:A:384:VAL:HG22	1:A:459:LYS:HG2	0.48	1.85	1	18
1:A:388:GLU:O	1:A:410:TRP:N	0.48	2.47	8	11
1:A:450:MET:O	1:A:454:PHE:N	0.48	2.42	19	1
1:A:353:HIS:CD2	1:A:355:TRP:CE2	0.48	3.01	6	19
1:A:353:HIS:HD2	1:A:355:TRP:CE2	0.48	2.26	8	5
1:A:453:LEU:O	1:A:457:VAL:HG12	0.48	2.08	6	20
1:A:387:LYS:O	1:A:387:LYS:HG2	0.48	2.09	6	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:393:LEU:HD21	1:A:410:TRP:CE3	0.48	2.43	3	13
1:A:393:LEU:CB	1:A:405:SER:HB2	0.47	2.39	10	5
1:A:349:LEU:O	1:A:352:GLN:HG2	0.47	2.08	14	1
1:A:388:GLU:CB	1:A:410:TRP:HB3	0.47	2.39	4	20
1:A:422:ASP:CA	1:A:450:MET:HG3	0.47	2.38	19	1
1:A:344:TYR:HA	1:A:462:PRO:HD2	0.47	1.86	3	20
1:A:356:TYR:HE2	1:A:457:VAL:HB	0.47	1.70	6	10
1:A:367:ASP:C	1:A:429:TYR:HB3	0.47	2.34	13	12
1:A:372:LYS:CB	1:A:438:GLY:HA2	0.47	2.40	19	10
1:A:369:VAL:HG13	1:A:444:ASN:HB3	0.47	1.86	18	3
1:A:347:VAL:O	1:A:465:VAL:HA	0.47	2.10	19	15
1:A:393:LEU:HB2	1:A:405:SER:OG	0.47	2.09	3	12
1:A:369:VAL:HG13	1:A:444:ASN:CB	0.47	2.40	17	4
1:A:377:THR:HG22	1:A:378:PRO:CD	0.47	2.40	17	20
1:A:346:GLU:O	1:A:355:TRP:N	0.46	2.48	9	20
1:A:361:LYS:HD3	1:A:362:VAL:H	0.46	1.70	7	3
1:A:356:TYR:CD2	1:A:456:MET:SD	0.46	3.08	6	11
1:A:364:LEU:HD11	1:A:452:GLU:CB	0.46	2.41	10	12
1:A:352:GLN:NE2	1:A:434:TRP:CD1	0.46	2.83	16	2
1:A:357:TYR:CE1	1:A:362:VAL:HG12	0.46	2.45	13	11
1:A:379:ALA:HA	1:A:465:VAL:O	0.46	2.10	12	3
1:A:344:TYR:HB3	1:A:462:PRO:HG2	0.46	1.87	5	11
1:A:453:LEU:HA	1:A:456:MET:CG	0.46	2.41	13	20
1:A:367:ASP:O	1:A:429:TYR:HB3	0.46	2.10	18	11
1:A:345:ILE:HD11	1:A:457:VAL:HB	0.46	1.87	18	14
1:A:349:LEU:HD22	1:A:349:LEU:H	0.46	1.71	18	2
1:A:393:LEU:CB	1:A:405:SER:HB3	0.46	2.41	16	15
1:A:409:TYR:HB3	1:A:454:PHE:CD1	0.46	2.45	16	1
1:A:372:LYS:HE2	1:A:438:GLY:CA	0.45	2.41	3	2
1:A:356:TYR:HE1	1:A:358:LYS:HB2	0.45	1.71	9	2
1:A:442:CYS:C	1:A:443:ILE:HD12	0.45	2.35	11	1
1:A:410:TRP:CD1	1:A:412:PRO:HD3	0.45	2.46	18	15
1:A:423:SER:OG	1:A:444:ASN:HA	0.45	2.11	1	1
1:A:347:VAL:CG2	1:A:354:MET:HG3	0.45	2.41	10	17
1:A:354:MET:HE2	1:A:366:THR:CG2	0.45	2.42	18	19
1:A:405:SER:HG	1:A:425:TRP:HH2	0.45	1.49	3	1
1:A:356:TYR:CD1	1:A:363:ALA:CB	0.45	2.98	8	12
1:A:393:LEU:HD12	1:A:393:LEU:N	0.45	2.27	2	19
1:A:356:TYR:CG	1:A:456:MET:SD	0.45	3.10	9	12
1:A:343:THR:HG23	1:A:358:LYS:HB2	0.45	1.88	9	9
1:A:383:TYR:CZ	1:A:462:PRO:HG3	0.44	2.46	1	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:382:PHE:HB3	1:A:413:ILE:HB	0.44	1.88	2	4
1:A:373:PRO:HD3	1:A:435:LYS:HA	0.44	1.89	2	4
1:A:386:ASN:CA	1:A:459:LYS:HD3	0.44	2.42	6	10
1:A:383:TYR:CD1	1:A:462:PRO:HB3	0.44	2.47	1	2
1:A:425:TRP:O	1:A:427:PRO:HD3	0.44	2.13	3	1
1:A:345:ILE:CD1	1:A:457:VAL:HG11	0.43	2.43	7	2
1:A:344:TYR:HB3	1:A:462:PRO:CG	0.43	2.43	5	2
1:A:444:ASN:HD22	1:A:444:ASN:N	0.43	2.11	8	2
1:A:368:ILE:HG22	1:A:444:ASN:O	0.43	2.13	15	1
1:A:346:GLU:HG3	1:A:464:LEU:HD23	0.43	1.90	1	2
1:A:453:LEU:HG	1:A:457:VAL:CG1	0.43	2.42	2	3
1:A:345:ILE:CD1	1:A:356:TYR:CD2	0.43	3.01	7	7
1:A:345:ILE:O	1:A:464:LEU:N	0.43	2.52	1	6
1:A:394:LYS:HG3	1:A:404:GLU:CG	0.43	2.44	12	8
1:A:426:GLN:CB	1:A:444:ASN:HD21	0.43	2.24	19	1
1:A:375:THR:N	1:A:376:PRO:HD3	0.43	2.28	10	5
1:A:357:TYR:HA	1:A:361:LYS:O	0.43	2.13	8	2
1:A:421:HIS:CE1	1:A:444:ASN:HD22	0.43	2.32	3	1
1:A:344:TYR:CE1	1:A:357:TYR:HB2	0.43	2.49	1	1
1:A:385:TRP:C	1:A:459:LYS:HD3	0.42	2.39	17	1
1:A:379:ALA:N	1:A:382:PHE:HZ	0.42	2.12	5	4
1:A:369:VAL:HG13	1:A:444:ASN:HB2	0.42	1.91	2	4
1:A:384:VAL:HG22	1:A:459:LYS:HA	0.42	1.91	9	2
1:A:379:ALA:CB	1:A:466:PHE:HA	0.42	2.43	12	2
1:A:393:LEU:N	1:A:393:LEU:CD1	0.42	2.82	6	6
1:A:384:VAL:HG12	1:A:461:THR:O	0.42	2.15	5	6
1:A:378:PRO:HG2	1:A:382:PHE:CE1	0.42	2.49	9	1
1:A:388:GLU:HB3	1:A:410:TRP:HB3	0.42	1.91	13	6
1:A:422:ASP:HB3	1:A:450:MET:CG	0.42	2.45	17	3
1:A:453:LEU:O	1:A:456:MET:N	0.42	2.53	17	13
1:A:420:ILE:CG2	1:A:450:MET:HE1	0.42	2.45	16	1
1:A:346:GLU:CD	1:A:357:TYR:CE1	0.42	2.98	3	3
1:A:346:GLU:CD	1:A:466:PHE:HE2	0.42	2.23	16	1
1:A:372:LYS:N	1:A:439:SER:O	0.41	2.50	12	1
1:A:346:GLU:HG3	1:A:464:LEU:CD2	0.41	2.45	1	5
1:A:387:LYS:HE3	1:A:458:GLU:HB2	0.41	1.91	5	1
1:A:354:MET:SD	1:A:453:LEU:HD22	0.41	2.56	2	1
1:A:364:LEU:CD2	1:A:453:LEU:HB2	0.41	2.45	17	5
1:A:379:ALA:CA	1:A:465:VAL:CG2	0.41	2.98	6	6
1:A:354:MET:HE2	1:A:366:THR:HG22	0.41	1.92	3	5
1:A:408:ASN:ND2	1:A:422:ASP:CG	0.41	2.79	16	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:346:GLU:HG2	1:A:466:PHE:CE2	0.41	2.50	1	1
1:A:457:VAL:HG23	1:A:461:THR:HB	0.41	1.92	6	1
1:A:382:PHE:CB	1:A:413:ILE:HD12	0.41	2.46	16	1
1:A:391:ALA:N	1:A:407:VAL:O	0.41	2.53	16	1
1:A:372:LYS:HB3	1:A:438:GLY:HA2	0.41	1.93	11	2
1:A:366:THR:OG1	1:A:446:PRO:HG2	0.41	2.14	17	1
1:A:422:ASP:CA	1:A:450:MET:HG2	0.41	2.45	14	5
1:A:407:VAL:CG1	1:A:410:TRP:HB2	0.41	2.46	16	1
1:A:446:PRO:O	1:A:450:MET:N	0.41	2.49	19	1
1:A:361:LYS:HE2	1:A:362:VAL:H	0.41	1.75	3	3
1:A:408:ASN:ND2	1:A:408:ASN:N	0.41	2.68	7	1
1:A:413:ILE:HG21	1:A:463:VAL:CG2	0.41	2.46	8	1
1:A:348:ASP:HA	1:A:466:PHE:OXT	0.41	2.16	15	1
1:A:358:LYS:C	1:A:360:GLY:N	0.40	2.77	2	1
1:A:349:LEU:HD21	1:A:465:VAL:HG23	0.40	1.93	4	1
1:A:358:LYS:HG3	1:A:359:ASP:N	0.40	2.31	9	1
1:A:407:VAL:HG13	1:A:409:TYR:N	0.40	2.31	10	1
1:A:393:LEU:N	1:A:393:LEU:HD12	0.40	2.31	11	1
1:A:411:MET:HE2	1:A:420:ILE:CG2	0.40	2.46	5	1
1:A:430:GLY:O	1:A:431:GLY:C	0.40	2.64	10	1
1:A:353:HIS:HA	1:A:366:THR:O	0.40	2.16	14	1
1:A:382:PHE:HB3	1:A:413:ILE:HD12	0.40	1.93	1	1
1:A:346:GLU:HB2	1:A:357:TYR:CD1	0.40	2.52	2	1
1:A:428:GLU:C	1:A:429:TYR:CG	0.40	2.99	14	2
1:A:344:TYR:HD1	1:A:345:ILE:O	0.40	2.00	7	1
1:A:349:LEU:H	1:A:349:LEU:HD22	0.40	1.77	8	1
1:A:408:ASN:C	1:A:409:TYR:CD1	0.40	3.00	13	1

6.3 Torsion angles ⓘ

6.3.1 Protein backbone ⓘ

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	114/129 (88%)	99±1 (87±1%)	10±1 (9±1%)	5±1 (4±1%)	4	29
All	All	2280/2580 (88%)	1984 (87%)	203 (9%)	93 (4%)	4	29

All 5 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	379	ALA	20
1	A	431	GLY	20
1	A	373	PRO	18
1	A	378	PRO	18
1	A	432	ASP	17

6.3.2 Protein sidechains ⓘ

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	101/112 (90%)	82±2 (81±2%)	19±2 (19±2%)	3	34
All	All	2020/2240 (90%)	1636 (81%)	384 (19%)	3	34

All 34 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	369	VAL	20
1	A	373	PRO	20
1	A	377	THR	20
1	A	384	VAL	20
1	A	407	VAL	20
1	A	420	ILE	20
1	A	422	ASP	20
1	A	426	GLN	20
1	A	457	VAL	20
1	A	465	VAL	20
1	A	365	GLU	19
1	A	411	MET	19
1	A	361	LYS	18
1	A	429	TYR	16
1	A	405	SER	15
1	A	463	VAL	15
1	A	372	LYS	14
1	A	359	ASP	13
1	A	368	ILE	9

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Mol	Chain	Res	Type	Models (Total)
1	A	444	ASN	7
1	A	428	GLU	6
1	A	423	SER	5
1	A	387	LYS	5
1	A	408	ASN	5
1	A	356	TYR	4
1	A	414	ASP	3
1	A	424	ASP	2
1	A	439	SER	2
1	A	364	LEU	2
1	A	351	ASN	1
1	A	374	THR	1
1	A	451	LYS	1
1	A	464	LEU	1
1	A	394	LYS	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation (i)

The completeness of assignment taking into account all chemical shift lists is 96% for the well-defined parts and 95% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shifts_1*

7.1.1 Bookkeeping (i)

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

Total number of shifts	1597
Number of shifts mapped to atoms	1597
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	12

7.1.2 Chemical shift referencing (i)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	128	-0.07 ± 0.10	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	115	-0.03 ± 0.19	None needed (< 0.5 ppm)
$^{13}\text{C}'$	116	0.25 ± 0.17	None needed (< 0.5 ppm)
^{15}N	116	0.33 ± 0.22	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments (i)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 96%, i.e. 1463 atoms were assigned a chemical shift out of a possible 1530. 0 out of 17 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	557/568 (98%)	231/232 (100%)	220/230 (96%)	106/106 (100%)
Sidechain	740/783 (95%)	499/510 (98%)	235/256 (92%)	6/17 (35%)

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	Total	¹ H	¹³ C	¹⁵ N
Aromatic	166/179 (93%)	82/87 (94%)	73/81 (90%)	11/11 (100%)
Overall	1463/1530 (96%)	812/829 (98%)	528/567 (93%)	123/134 (92%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 95%, i.e. 1595 atoms were assigned a chemical shift out of a possible 1681. 0 out of 17 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	616/639 (96%)	256/262 (98%)	244/258 (95%)	116/119 (97%)
Sidechain	799/846 (94%)	538/549 (98%)	254/279 (91%)	7/18 (39%)
Aromatic	180/196 (92%)	88/95 (93%)	79/88 (90%)	13/13 (100%)
Overall	1595/1681 (95%)	882/906 (97%)	577/625 (92%)	136/150 (91%)

7.1.4 Statistically unusual chemical shifts ⓘ

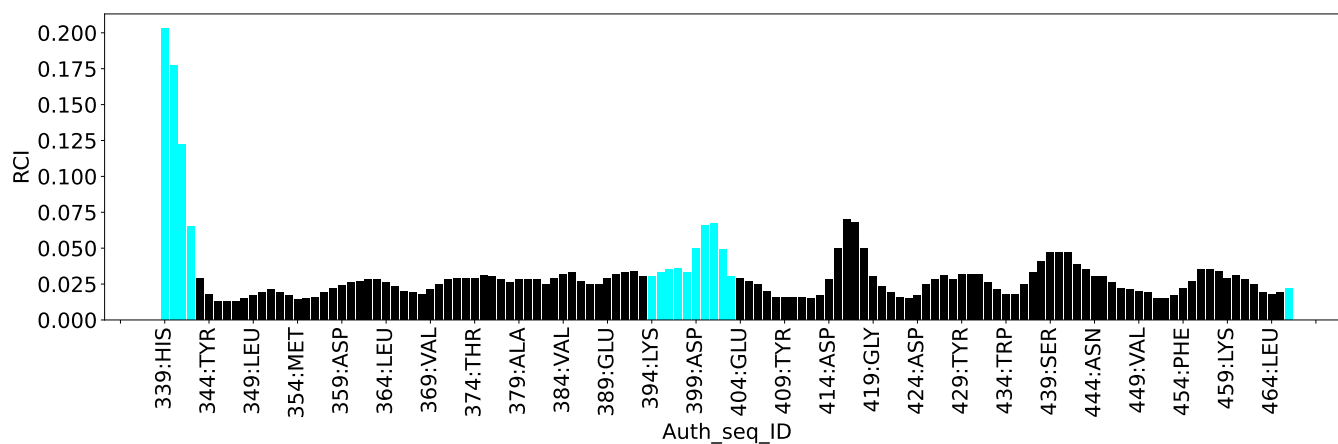
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	366	THR	HG1	5.51	0.08 – 2.19	20.7
1	A	412	PRO	HD3	1.00	1.76 – 5.48	-7.0
1	A	446	PRO	HG2	-0.10	0.41 – 3.45	-6.7
1	A	435	LYS	HG3	-0.33	0.04 – 2.67	-6.4
1	A	435	LYS	HG2	-0.18	0.13 – 2.61	-6.2
1	A	423	SER	HB3	2.20	2.49 – 5.20	-6.1
1	A	423	SER	HB2	2.43	2.61 – 5.13	-5.7
1	A	353	HIS	HD2	4.38	4.65 – 9.35	-5.6
1	A	412	PRO	HG2	0.24	0.41 – 3.45	-5.6
1	A	393	LEU	HD11	-0.69	-0.61 – 2.12	-5.3
1	A	393	LEU	HD12	-0.69	-0.61 – 2.12	-5.3
1	A	393	LEU	HD13	-0.69	-0.61 – 2.12	-5.3

7.1.5 Random Coil Index (RCI) plots ⓘ

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	5008
Intra-residue ($ i-j =0$)	2735
Sequential ($ i-j =1$)	1534
Medium range ($ i-j >1$ and $ i-j <5$)	209
Long range ($ i-j \geq 5$)	530
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	220
Number of unmapped restraints	0
Number of restraints per residue	40.5
Number of long range restraints per residue ¹	4.1

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	304.6	0.2
0.2-0.5 (Medium)	788.1	0.5
>0.5 (Large)	1206.5	23.83

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	34.4	9.93
10.0-20.0 (Medium)	3.1	16.56
>20.0 (Large)	None	None

9 Distance violation analysis ⓘ

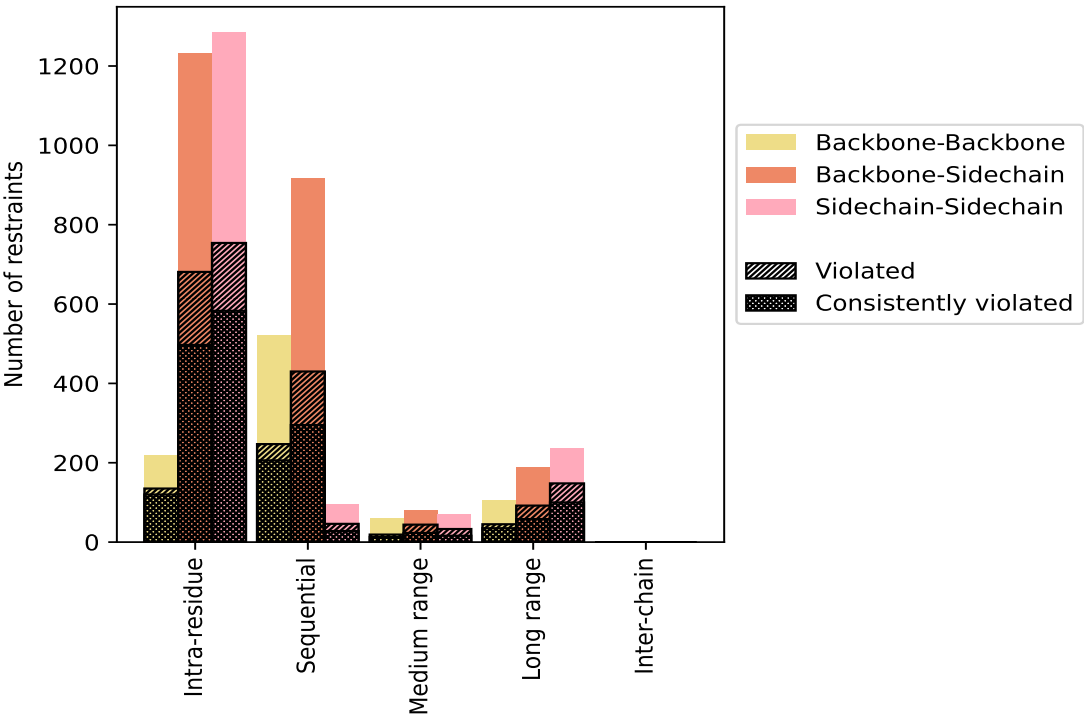
9.1 Summary of distance violations ⓘ

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

Restraints type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue (i-j =0)	2735	54.6	1570	57.4	31.3	1200	43.9	24.0
Backbone-Backbone	218	4.4	135	61.9	2.7	120	55.0	2.4
Backbone-Sidechain	1232	24.6	681	55.3	13.6	497	40.3	9.9
Sidechain-Sidechain	1285	25.7	754	58.7	15.1	583	45.4	11.6
Sequential (i-j =1)	1534	30.6	723	47.1	14.4	529	34.5	10.6
Backbone-Backbone	521	10.4	247	47.4	4.9	206	39.5	4.1
Backbone-Sidechain	917	18.3	430	46.9	8.6	295	32.2	5.9
Sidechain-Sidechain	96	1.9	46	47.9	0.9	28	29.2	0.6
Medium range (i-j >1 & i-j <5)	209	4.2	96	45.9	1.9	52	24.9	1.0
Backbone-Backbone	59	1.2	19	32.2	0.4	13	22.0	0.3
Backbone-Sidechain	81	1.6	44	54.3	0.9	23	28.4	0.5
Sidechain-Sidechain	69	1.4	33	47.8	0.7	16	23.2	0.3
Long range (i-j ≥5)	530	10.6	285	53.8	5.7	193	36.4	3.9
Backbone-Backbone	105	2.1	45	42.9	0.9	35	33.3	0.7
Backbone-Sidechain	189	3.8	92	48.7	1.8	58	30.7	1.2
Sidechain-Sidechain	236	4.7	148	62.7	3.0	100	42.4	2.0
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	5008	100.0	2674	53.4	53.4	1974	39.4	39.4
Backbone-Backbone	903	18.0	446	49.4	8.9	374	41.4	7.5
Backbone-Sidechain	2419	48.3	1247	51.6	24.9	873	36.1	17.4
Sidechain-Sidechain	1686	33.7	981	58.2	19.6	727	43.1	14.5

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

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



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

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

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	1370	624	78	238	0	2310	0.72	23.71	1.06	0.53
2	1383	617	75	243	0	2318	0.71	23.71	1.05	0.53
3	1382	614	72	237	0	2305	0.72	23.53	1.05	0.53
4	1366	628	76	234	0	2304	0.72	23.68	1.06	0.53
5	1399	617	78	242	0	2336	0.71	23.46	1.05	0.53
6	1373	626	76	238	0	2313	0.71	23.68	1.05	0.53
7	1376	616	74	233	0	2299	0.72	23.67	1.05	0.53
8	1390	614	76	237	0	2317	0.71	23.64	1.06	0.53
9	1376	622	74	235	0	2307	0.71	23.77	1.05	0.52
10	1376	624	75	241	0	2316	0.71	23.73	1.06	0.52

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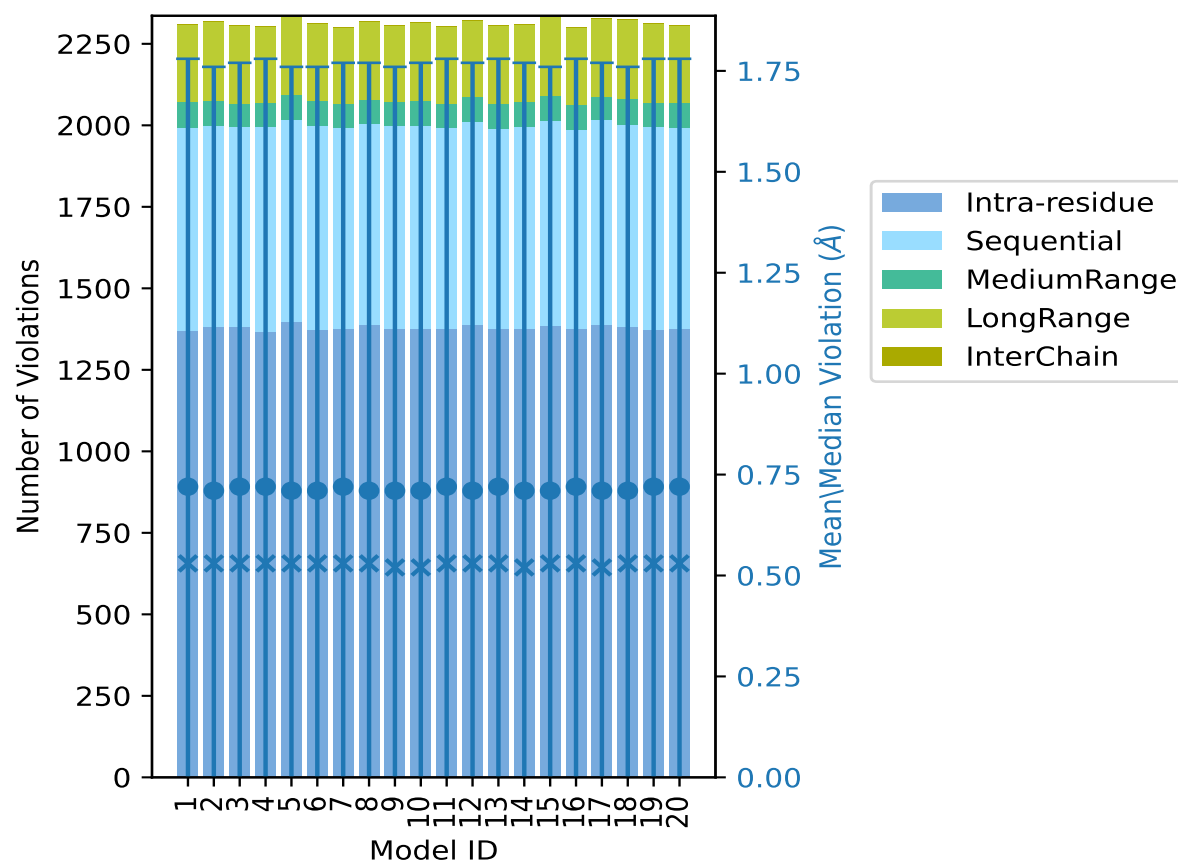
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	1377	616	72	238	0	2303	0.72	23.64	1.06	0.53
12	1388	622	78	235	0	2323	0.71	23.7	1.06	0.53
13	1375	615	76	241	0	2307	0.72	23.83	1.06	0.53
14	1377	619	76	238	0	2310	0.71	23.69	1.06	0.52
15	1386	628	76	243	0	2333	0.71	23.79	1.05	0.53
16	1376	611	76	238	0	2301	0.72	23.64	1.06	0.53
17	1388	629	72	238	0	2327	0.71	23.65	1.06	0.52
18	1381	622	77	245	0	2325	0.71	23.67	1.05	0.53
19	1374	621	74	242	0	2311	0.72	23.82	1.06	0.53
20	1376	617	76	236	0	2305	0.72	23.75	1.06	0.53

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

⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model ⓘ



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

9.3 Distance violation statistics for the ensemble ⓘ

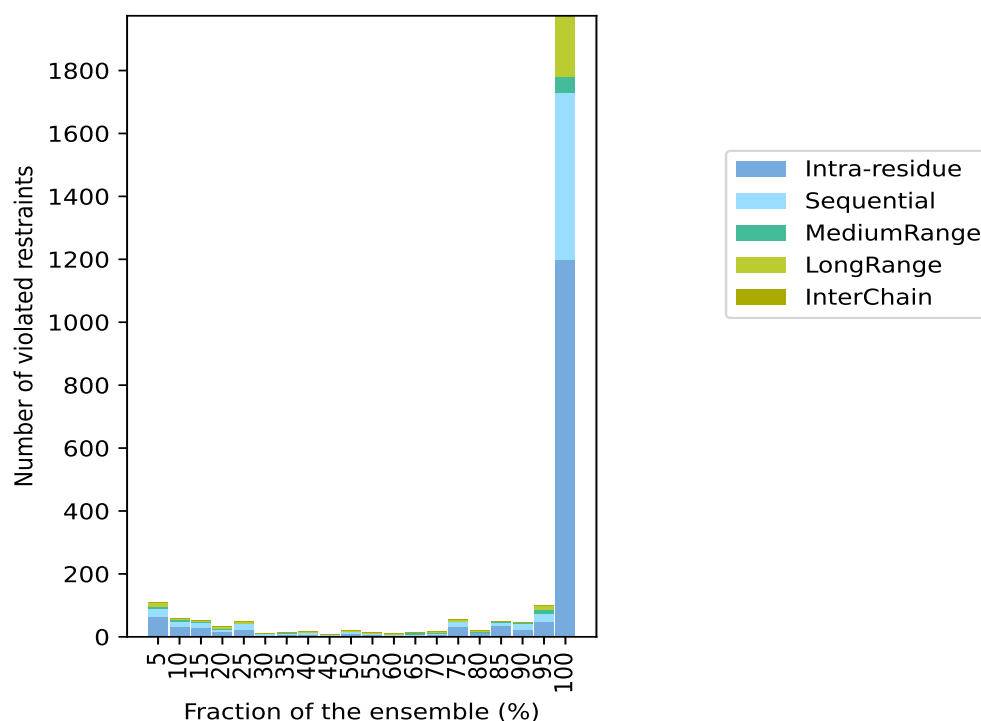
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 2334(IR:1165, SQ:811, MR:113, LR:245, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total	Count ⁶	%
63	25	8	12	0	108	1	5.0
31	18	5	4	0	58	2	10.0
30	16	2	4	0	52	3	15.0
15	9	0	9	0	33	4	20.0
24	17	1	7	0	49	5	25.0
5	7	0	0	0	12	6	30.0
6	4	1	3	0	14	7	35.0
7	7	0	4	0	18	8	40.0
2	3	2	2	0	9	9	45.0
11	5	0	3	0	19	10	50.0
8	1	2	2	0	13	11	55.0
4	3	1	4	0	12	12	60.0
3	5	4	2	0	14	13	65.0
7	4	1	4	0	16	14	70.0
31	18	0	7	0	56	15	75.0
13	2	0	6	0	21	16	80.0
37	7	3	2	0	49	17	85.0
24	17	4	2	0	47	18	90.0
49	26	10	15	0	100	19	95.0
1200	529	52	193	0	1974	20	100.0

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

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

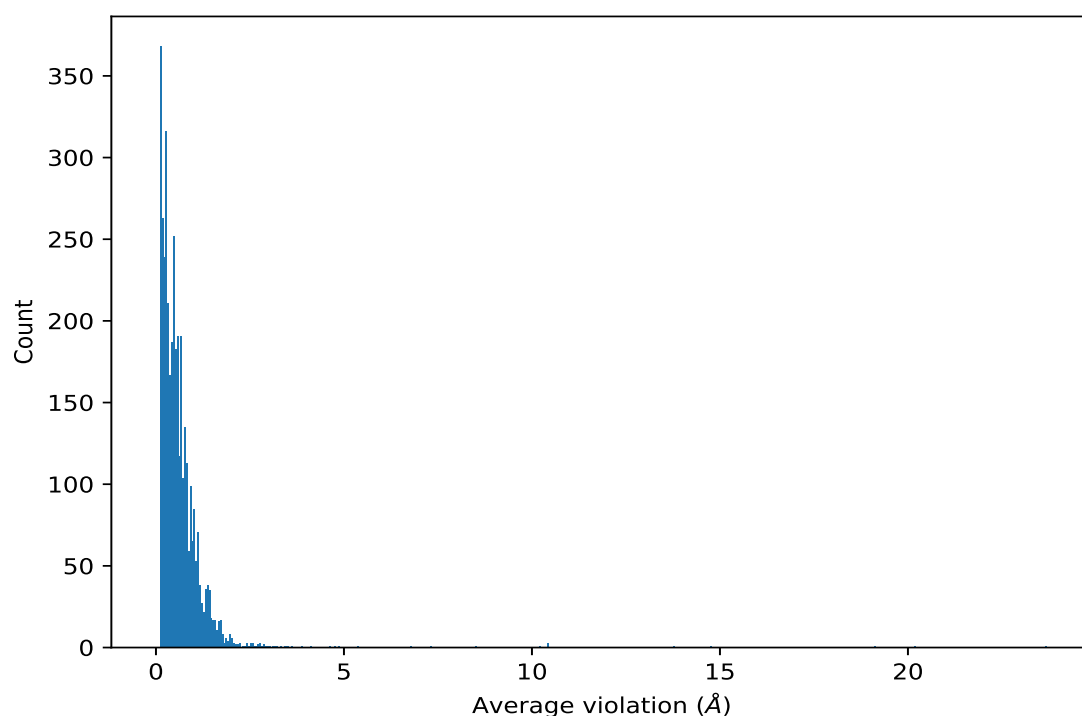
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	20	23.69	0.09	23.68
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	20	20.17	0.07	20.18
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	20	19.12	0.09	19.12
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	20	14.77	0.12	14.82
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	20	13.78	0.26	13.85
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	20	10.43	0.19	10.47
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	20	10.43	0.19	10.47
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	20	10.43	0.19	10.47
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	20	10.21	0.11	10.22
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	20	8.51	0.14	8.57
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	20	7.35	0.36	7.36
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	20	6.76	0.16	6.78
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	20	5.37	0.09	5.38
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	20	4.88	0.03	4.88
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	20	4.78	0.1	4.76
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	20	4.61	0.09	4.64

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	20	4.14	0.09	4.12
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	20	3.86	0.04	3.86
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	20	3.63	0.13	3.64
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	20	3.55	0.09	3.54
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	20	3.45	0.09	3.49
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	20	3.42	0.06	3.42
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	20	3.34	0.03	3.34
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	20	3.22	0.08	3.24
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	20	3.18	0.23	3.2
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	20	3.1	0.15	3.1
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	20	3.04	0.02	3.04
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	20	2.99	0.21	3.04
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	20	2.93	0.1	2.93
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	20	2.9	0.03	2.89
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	20	2.9	0.03	2.89
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	20	2.81	0.08	2.84
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	20	2.78	0.05	2.78
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	20	2.78	0.08	2.76
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	20	2.75	0.04	2.76
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	20	2.73	0.04	2.74
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	20	2.73	0.99	2.3
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	20	2.69	0.01	2.69
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	20	2.63	0.07	2.62
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	20	2.59	0.07	2.62
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	20	2.59	0.07	2.62
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	20	2.59	0.07	2.62
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	20	2.52	0.26	2.46
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	20	2.51	0.01	2.51
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	20	2.51	0.03	2.51
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	20	2.49	0.05	2.48
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	20	2.42	0.31	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	20	2.42	0.31	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	20	2.42	0.31	2.5
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	20	2.38	0.16	2.38
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	20	2.31	0.08	2.34
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	20	2.23	0.0	2.23
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	20	2.22	0.13	2.18
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	20	2.2	0.41	2.26
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	20	2.19	0.2	2.23
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	20	2.14	0.03	2.15
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	20	2.12	0.15	2.04
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	20	2.07	0.03	2.07

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	20	2.07	0.02	2.07
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	20	2.06	0.11	2.09
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	20	2.02	0.01	2.02
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	20	2.01	0.11	1.97
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	20	2.01	0.03	2.0
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	20	2.01	0.03	2.0
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	20	2.01	0.03	2.0
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	20	2.0	0.08	2.02
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	20	1.97	0.12	2.01
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	20	1.97	0.12	2.01
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	20	1.97	0.12	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	20	1.97	0.12	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	20	1.97	0.12	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	20	1.97	0.12	2.01
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	20	1.97	0.17	2.05
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	20	1.97	0.07	1.98
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	20	1.94	0.04	1.94
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	20	1.93	0.17	2.03
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	20	1.92	0.19	1.95
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	20	1.91	0.11	1.86
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	20	1.88	0.06	1.9
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	20	1.87	0.04	1.88
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	20	1.87	0.04	1.88
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	20	1.87	0.04	1.88
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	20	1.85	0.02	1.85
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	20	1.83	0.0	1.83
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	20	1.81	0.39	1.54
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	20	1.81	0.02	1.81
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	20	1.79	0.05	1.78
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	20	1.77	0.03	1.79
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	20	1.77	0.01	1.77
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	20	1.77	0.2	1.86
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	20	1.77	0.2	1.86
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	20	1.77	0.2	1.86
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	20	1.75	0.03	1.76
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	20	1.75	0.01	1.75
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	20	1.74	0.0	1.74
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	20	1.74	0.04	1.74
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	20	1.74	0.01	1.74
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	20	1.73	0.04	1.73
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	20	1.73	0.04	1.73
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	20	1.73	0.04	1.73

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	20	1.73	0.04	1.73
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	20	1.73	0.04	1.73
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	20	1.73	0.04	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	20	1.73	0.0	1.73
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	20	1.72	0.08	1.72
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	20	1.72	0.08	1.72
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	20	1.72	0.08	1.72
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	20	1.72	0.28	1.83
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	20	1.72	0.28	1.83
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	20	1.71	0.02	1.72
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	20	1.71	0.24	1.66
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	20	1.7	0.33	1.78
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	20	1.7	0.08	1.72
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	20	1.7	0.03	1.7
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	20	1.69	0.02	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	20	1.69	0.0	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	20	1.69	0.0	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	20	1.69	0.0	1.69
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	20	1.69	0.49	1.59
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	20	1.68	0.0	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	20	1.68	0.0	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	20	1.68	0.0	1.68
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	20	1.67	0.01	1.66
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	20	1.66	0.06	1.64
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	20	1.66	0.0	1.66
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	20	1.66	0.02	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	20	1.66	0.0	1.66
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	20	1.65	0.05	1.65
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	20	1.65	0.13	1.68
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	20	1.64	0.01	1.64
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	20	1.64	0.07	1.64
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	20	1.64	0.03	1.65
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	20	1.63	0.01	1.63
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	20	1.63	0.24	1.76
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	20	1.63	0.0	1.63
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	20	1.63	0.0	1.63
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	20	1.61	0.03	1.62
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	20	1.6	0.01	1.6
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	20	1.59	0.1	1.64
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	20	1.59	0.1	1.64
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	20	1.59	0.1	1.64
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	20	1.59	0.03	1.57

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	20	1.58	0.05	1.61
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	20	1.57	0.12	1.58
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	20	1.57	0.12	1.58
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	20	1.57	0.12	1.58
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	20	1.57	0.09	1.6
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	20	1.57	0.09	1.6
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	20	1.57	0.09	1.6
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	20	1.57	0.03	1.58
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	20	1.56	0.0	1.56
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	20	1.55	0.01	1.55
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	20	1.55	0.01	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	20	1.55	0.0	1.55
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	20	1.54	0.01	1.54
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	20	1.54	0.0	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	20	1.54	0.0	1.54
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	20	1.53	0.0	1.53
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	20	1.53	0.0	1.53
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	20	1.52	0.05	1.52
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	20	1.51	0.02	1.51
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	20	1.51	0.32	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	20	1.51	0.32	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	20	1.51	0.32	1.57
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	20	1.51	0.03	1.5
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	20	1.51	0.03	1.5
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	20	1.51	0.03	1.5
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	20	1.5	0.45	1.75
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	20	1.5	0.45	1.75
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	20	1.5	0.45	1.75
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	20	1.5	0.1	1.54
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	20	1.49	0.02	1.49
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	20	1.49	0.02	1.48
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	20	1.49	0.02	1.48
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	20	1.49	0.02	1.48
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	20	1.48	0.01	1.48
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	20	1.48	0.07	1.46
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	20	1.48	0.07	1.46
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	20	1.48	0.07	1.46
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	20	1.48	0.02	1.47
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	20	1.47	0.07	1.44
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	20	1.47	0.03	1.48
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	20	1.47	0.04	1.46
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	20	1.47	0.03	1.47

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	20	1.47	0.14	1.55
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	20	1.47	0.02	1.46
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	20	1.46	0.03	1.46
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	20	1.46	0.0	1.46
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	20	1.46	0.0	1.46
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	20	1.45	0.03	1.45
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	20	1.45	0.34	1.36
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	20	1.45	0.0	1.45
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	20	1.44	0.07	1.44
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	20	1.44	0.07	1.44
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	20	1.44	0.07	1.44
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	20	1.44	0.1	1.41
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	20	1.44	0.1	1.41
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	20	1.44	0.1	1.41
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	20	1.44	0.0	1.44
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	20	1.44	0.04	1.44
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	20	1.44	0.04	1.44
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	20	1.43	0.03	1.44
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	20	1.43	0.03	1.44
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	20	1.43	0.03	1.44
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	20	1.43	0.03	1.44
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	20	1.43	0.03	1.44
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	20	1.43	0.03	1.44
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	20	1.43	0.09	1.42
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	20	1.43	0.01	1.42
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	20	1.42	0.01	1.42
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	20	1.42	0.05	1.43
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	20	1.42	0.01	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	20	1.42	0.01	1.42
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	20	1.42	0.04	1.43
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	20	1.42	0.04	1.43
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	20	1.42	0.04	1.43
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	20	1.41	0.01	1.41
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	20	1.41	0.01	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	20	1.41	0.01	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	20	1.41	0.01	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	20	1.41	0.01	1.41
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	20	1.4	0.01	1.4
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	20	1.4	0.02	1.4
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	20	1.39	0.01	1.39
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	20	1.39	0.01	1.39
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	20	1.38	0.11	1.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	20	1.38	0.01	1.38
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	20	1.38	0.35	1.31
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	20	1.37	0.01	1.38
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	20	1.37	0.06	1.36
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	20	1.37	0.06	1.36
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	20	1.37	0.0	1.37
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	20	1.37	0.05	1.38
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	20	1.37	0.21	1.44
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	20	1.37	0.02	1.37
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	20	1.37	0.01	1.37
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	20	1.37	0.01	1.37
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	20	1.37	0.01	1.37
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	20	1.36	0.1	1.38
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	20	1.36	0.06	1.38
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	20	1.36	0.0	1.36
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	20	1.36	0.06	1.38
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	20	1.36	0.01	1.36
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	20	1.35	0.08	1.4
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	20	1.35	0.08	1.4
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	20	1.35	0.08	1.4
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	20	1.35	0.08	1.4
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	20	1.35	0.08	1.4
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	20	1.35	0.08	1.4
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	20	1.35	0.08	1.36
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	20	1.35	0.04	1.35
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	20	1.35	0.04	1.35
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	20	1.35	0.04	1.35
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	20	1.35	0.04	1.35
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	20	1.35	0.04	1.35
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	20	1.35	0.04	1.35
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	20	1.35	0.02	1.35
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	20	1.35	0.04	1.34
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	20	1.34	0.65	0.9
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	20	1.34	0.0	1.34
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	20	1.34	0.0	1.34
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	20	1.34	0.32	1.52
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	20	1.34	0.03	1.34
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	20	1.34	0.03	1.34
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	20	1.33	0.06	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	20	1.33	0.0	1.33
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	20	1.33	0.02	1.33
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	20	1.32	0.05	1.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	20	1.32	0.05	1.33
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	20	1.32	0.03	1.33
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	20	1.32	0.05	1.33
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	20	1.32	0.06	1.34
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	20	1.32	0.06	1.34
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	20	1.32	0.06	1.34
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	20	1.32	0.01	1.32
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	20	1.32	0.02	1.32
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	20	1.32	0.31	1.5
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	20	1.31	0.01	1.31
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	20	1.31	0.05	1.32
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	20	1.31	0.05	1.32
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	20	1.31	0.05	1.32
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	20	1.31	0.02	1.32
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	20	1.31	0.03	1.3
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	20	1.31	0.03	1.3
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	20	1.31	0.03	1.3
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	20	1.31	0.02	1.3
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	20	1.31	0.02	1.31
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	20	1.31	0.02	1.31
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	20	1.31	0.01	1.31
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	20	1.3	0.0	1.3
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	20	1.3	0.01	1.3
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	20	1.29	0.04	1.28
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	20	1.28	0.01	1.28
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	20	1.28	0.01	1.28
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	20	1.28	0.04	1.28
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	20	1.28	0.06	1.26
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	20	1.28	0.02	1.28
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	20	1.27	0.01	1.27
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	20	1.27	0.03	1.28
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	20	1.27	0.02	1.27
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	20	1.27	0.01	1.27
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	20	1.27	0.01	1.27
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	20	1.26	0.17	1.25
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	20	1.26	0.17	1.25
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	20	1.26	0.0	1.26
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	20	1.26	0.22	1.21
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	20	1.25	0.1	1.27
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	20	1.25	0.05	1.25
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	20	1.25	0.01	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	20	1.25	0.0	1.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	20	1.25	0.0	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	20	1.25	0.0	1.25
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	20	1.24	0.0	1.24
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	20	1.24	0.0	1.24
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	20	1.24	0.0	1.24
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	20	1.24	0.05	1.21
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	20	1.24	0.0	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	20	1.24	0.0	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	20	1.24	0.0	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	20	1.24	0.0	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	20	1.24	0.0	1.24
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	20	1.24	0.07	1.22
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	20	1.24	0.01	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	20	1.24	0.0	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	20	1.24	0.0	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	20	1.24	0.0	1.24
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	20	1.23	0.03	1.23
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	20	1.23	0.03	1.23
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	20	1.23	0.12	1.25
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	20	1.23	0.0	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	20	1.23	0.0	1.23
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	20	1.23	0.09	1.23
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	20	1.22	0.01	1.22
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	20	1.22	0.06	1.22
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	20	1.21	0.06	1.23
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	20	1.21	0.06	1.23
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	20	1.21	0.06	1.23
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	20	1.21	0.01	1.21
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	20	1.21	0.02	1.22
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	20	1.2	0.2	1.09
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	20	1.2	0.2	1.09
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	20	1.2	0.2	1.09
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	20	1.2	0.02	1.2
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	20	1.2	0.23	1.17
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	20	1.2	0.04	1.18
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	20	1.2	0.09	1.19
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	20	1.2	0.01	1.2
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	20	1.19	0.04	1.2
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	20	1.19	0.03	1.19
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	20	1.19	0.03	1.19
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	20	1.19	0.03	1.19
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	20	1.19	0.02	1.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	20	1.19	0.02	1.19
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	20	1.18	0.01	1.18
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	20	1.18	0.01	1.18
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	20	1.18	0.08	1.19
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	20	1.18	0.02	1.17
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	20	1.17	0.05	1.18
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	20	1.17	0.05	1.18
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	20	1.17	0.05	1.18
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	20	1.17	0.01	1.18
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	20	1.17	0.11	1.2
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	20	1.17	0.03	1.17
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	20	1.17	0.03	1.17
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	20	1.17	0.03	1.17
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	20	1.17	0.02	1.17
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	20	1.17	0.04	1.16
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	20	1.17	0.02	1.17
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	20	1.17	0.01	1.17
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	20	1.17	0.11	1.17
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	20	1.17	0.01	1.17
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	20	1.17	0.01	1.17
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	20	1.16	0.06	1.16
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	20	1.16	0.01	1.16
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	20	1.16	0.03	1.15
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	20	1.16	0.24	1.21
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	20	1.15	0.06	1.17
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	20	1.15	0.24	1.2
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	20	1.15	0.0	1.15
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	20	1.15	0.1	1.16
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	20	1.14	0.01	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	20	1.14	0.0	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	20	1.14	0.0	1.14
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	20	1.14	0.03	1.14
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	20	1.14	0.03	1.14
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	20	1.14	0.02	1.14
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	20	1.14	0.02	1.14
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	20	1.14	0.03	1.14
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	20	1.14	0.01	1.13
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	20	1.14	0.01	1.14
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	20	1.14	0.19	1.24
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	20	1.13	0.01	1.14
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	20	1.13	0.01	1.13
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	20	1.13	0.01	1.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	20	1.13	0.03	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	20	1.13	0.0	1.13
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	20	1.13	0.02	1.13
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	20	1.13	0.03	1.13
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	20	1.13	0.02	1.13
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	20	1.13	0.02	1.13
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	20	1.13	0.01	1.13
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	20	1.12	0.04	1.12
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	20	1.12	0.07	1.12
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	20	1.12	0.03	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	20	1.12	0.03	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	20	1.12	0.03	1.13
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	20	1.12	0.03	1.12
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	20	1.12	0.03	1.12
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	20	1.12	0.03	1.12
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	20	1.12	0.26	1.06
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	20	1.12	0.02	1.13
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	20	1.12	0.01	1.12
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	20	1.12	0.01	1.12
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	20	1.12	0.03	1.12
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	20	1.12	0.03	1.12
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	20	1.12	0.03	1.12
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	20	1.12	0.03	1.12
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	20	1.12	0.03	1.12
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	20	1.12	0.03	1.12
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	20	1.12	0.03	1.12
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	20	1.12	0.03	1.12
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	20	1.12	0.03	1.12
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	20	1.12	0.01	1.12
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	20	1.12	0.02	1.12
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	20	1.11	0.02	1.12
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	20	1.11	0.04	1.12
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	20	1.11	0.04	1.12
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	20	1.11	0.07	1.1
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	20	1.11	0.05	1.12
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	20	1.11	0.05	1.12
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	20	1.11	0.05	1.12
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	20	1.11	0.01	1.1
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	20	1.11	0.13	1.14
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	20	1.11	0.13	1.14
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	20	1.11	0.13	1.14
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	20	1.11	0.02	1.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	20	1.11	0.02	1.11
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	20	1.1	0.0	1.1
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	20	1.1	0.23	1.16
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	20	1.1	0.01	1.1
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	20	1.1	0.02	1.1
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	20	1.1	0.02	1.1
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	20	1.1	0.04	1.12
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	20	1.1	0.1	1.14
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	20	1.09	0.07	1.12
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	20	1.09	0.07	1.12
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	20	1.09	0.07	1.12
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	20	1.09	0.04	1.1
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	20	1.09	0.11	1.13
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	20	1.09	0.03	1.09
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	20	1.08	0.07	1.09
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	20	1.08	0.03	1.08
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	20	1.08	0.04	1.06
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	20	1.08	0.02	1.08
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	20	1.08	0.23	1.04
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	20	1.08	0.1	1.06
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	20	1.07	0.01	1.08
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	20	1.07	0.01	1.07
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	20	1.07	0.03	1.07
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	20	1.07	0.02	1.06
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	20	1.07	0.06	1.04
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	20	1.07	0.06	1.04
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	20	1.07	0.06	1.04
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	20	1.07	0.06	1.04
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	20	1.07	0.06	1.04
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	20	1.07	0.06	1.04
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	20	1.07	0.06	1.04
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	20	1.07	0.06	1.04
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	20	1.07	0.06	1.04
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	20	1.07	0.03	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	20	1.07	0.03	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	20	1.07	0.03	1.06
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	20	1.06	0.08	1.09
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	20	1.06	0.0	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	20	1.06	0.0	1.06
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	20	1.06	0.01	1.06
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	20	1.06	0.01	1.06
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	20	1.06	0.0	1.06

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	20	1.06	0.08	1.03
(1,1759)	1:443:A:ILE:HB	1:443:A:ILE:H	20	1.06	0.02	1.06
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	20	1.05	0.06	1.06
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	20	1.05	0.01	1.05
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	20	1.05	0.0	1.05
(1,1721)	1:410:A:TRP:HB3	1:410:A:TRP:H	20	1.05	0.01	1.06
(1,1916)	1:460:A:GLY:HA2	1:460:A:GLY:H	20	1.05	0.03	1.05
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	20	1.05	0.05	1.04
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	20	1.05	0.01	1.05
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	20	1.05	0.01	1.05
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	20	1.05	0.04	1.04
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	20	1.05	0.12	1.08
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	20	1.05	0.12	1.08
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	20	1.04	0.0	1.04
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	20	1.04	0.01	1.04
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	20	1.04	0.03	1.04
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	20	1.04	0.02	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	20	1.04	0.02	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	20	1.04	0.02	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	20	1.04	0.02	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	20	1.04	0.02	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	20	1.04	0.02	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	20	1.04	0.02	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	20	1.04	0.02	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	20	1.04	0.02	1.06
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	20	1.04	0.0	1.04
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	20	1.04	0.04	1.06
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	20	1.04	0.01	1.04
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	20	1.04	0.03	1.03
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	20	1.04	0.03	1.03
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	20	1.04	0.03	1.03
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	20	1.04	0.03	1.03
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	20	1.04	0.03	1.03
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	20	1.04	0.03	1.03
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	20	1.04	0.02	1.04
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	20	1.04	0.01	1.03
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	20	1.04	0.46	1.28
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	20	1.03	0.02	1.03
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	20	1.03	0.37	0.86
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	20	1.03	0.07	1.02
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	20	1.03	0.04	1.04
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	20	1.03	0.04	1.04

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	20	1.03	0.04	1.04
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	20	1.03	0.03	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	20	1.03	0.0	1.03
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	20	1.03	0.06	1.04
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	20	1.03	0.27	0.99
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	20	1.03	0.11	1.06
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	20	1.03	0.11	1.06
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	20	1.03	0.11	1.06
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	20	1.03	0.01	1.03
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	20	1.03	0.12	1.06
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	20	1.03	0.12	1.06
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	20	1.03	0.12	1.06
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	20	1.03	0.02	1.02
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	20	1.02	0.09	1.03
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	20	1.02	0.01	1.02
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	20	1.02	0.15	1.0
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	20	1.02	0.15	1.0
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	20	1.02	0.15	1.0
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	20	1.02	0.03	1.03
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	20	1.02	0.03	1.03
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	20	1.02	0.03	1.03
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	20	1.02	0.03	1.03
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	20	1.02	0.03	1.03
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	20	1.02	0.03	1.03
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	20	1.02	0.19	1.08
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	20	1.02	0.01	1.02
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	20	1.02	0.01	1.02
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	20	1.02	0.31	1.2
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	20	1.01	0.03	1.02
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	20	1.01	0.04	1.02
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	20	1.01	0.02	1.0
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	20	1.01	0.02	1.0
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	20	1.01	0.02	1.0
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	20	1.0	0.14	1.01
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	20	1.0	0.0	1.0
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	20	1.0	0.08	1.0
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	20	1.0	0.08	1.0
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	20	1.0	0.01	1.0
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	20	1.0	0.19	0.96
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	20	0.99	0.02	1.0
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	20	0.99	0.01	0.99
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	20	0.99	0.04	0.98

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	20	0.99	0.05	1.02
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	20	0.99	0.01	0.99
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	20	0.99	0.01	0.99
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	20	0.99	0.03	0.99
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	20	0.99	0.01	0.99
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	20	0.99	0.07	1.0
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	20	0.99	0.07	1.0
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	20	0.99	0.07	1.0
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	20	0.98	0.03	0.99
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	20	0.98	0.03	0.98
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	20	0.98	0.03	0.98
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	20	0.98	0.02	0.98
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	20	0.98	0.0	0.98
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	20	0.98	0.02	0.98
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	20	0.98	0.01	0.98
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	20	0.98	0.01	0.98
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	20	0.98	0.26	0.99
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	20	0.98	0.26	0.99
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	20	0.98	0.07	0.99
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	20	0.98	0.01	0.98
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	20	0.98	0.09	1.0
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	20	0.98	0.01	0.97
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	20	0.98	0.23	1.1
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	20	0.97	0.01	0.98
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	20	0.97	0.22	1.04
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	20	0.97	0.01	0.98
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	20	0.97	0.05	0.98
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	20	0.97	0.05	0.98
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	20	0.97	0.05	0.98
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	20	0.97	0.0	0.97
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	20	0.97	0.01	0.97
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	20	0.97	0.01	0.97
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	20	0.97	0.02	0.97
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	20	0.97	0.02	0.97
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	20	0.97	0.02	0.96
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	20	0.97	0.02	0.96
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	20	0.97	0.02	0.97
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	20	0.97	0.03	0.97
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	20	0.96	0.03	0.97
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	20	0.96	0.0	0.96
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	20	0.96	0.01	0.96
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	20	0.96	0.28	0.79

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	20	0.96	0.0	0.96
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	20	0.96	0.02	0.96
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	20	0.96	0.02	0.96
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	20	0.96	0.02	0.96
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	20	0.96	0.04	0.97
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	20	0.96	0.03	0.96
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	20	0.96	0.03	0.96
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	20	0.96	0.01	0.96
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	20	0.96	0.02	0.96
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	20	0.96	0.02	0.97
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	20	0.96	0.04	0.97
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	20	0.96	0.0	0.96
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	20	0.96	0.0	0.96
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	20	0.96	0.03	0.95
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	20	0.96	0.02	0.96
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	20	0.96	0.1	1.02
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	20	0.96	0.03	0.96
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	20	0.95	0.02	0.96
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	20	0.95	0.0	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	20	0.95	0.0	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	20	0.95	0.0	0.95
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	20	0.95	0.04	0.96
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	20	0.95	0.01	0.95
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	20	0.95	0.24	1.02
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	20	0.95	0.05	0.94
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	20	0.95	0.09	0.92
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	20	0.95	0.04	0.94
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	20	0.95	0.04	0.94
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	20	0.95	0.04	0.94
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	20	0.95	0.04	0.94
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	20	0.95	0.04	0.94
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	20	0.95	0.04	0.94
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	20	0.95	0.04	0.94
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	20	0.95	0.04	0.94
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	20	0.95	0.04	0.94
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	20	0.94	0.09	0.98
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	20	0.94	0.09	0.98
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	20	0.94	0.0	0.94
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	20	0.94	0.0	0.94
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	20	0.94	0.17	1.04
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	20	0.94	0.04	0.92
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	20	0.94	0.04	0.92

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	20	0.94	0.04	0.92
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	20	0.94	0.0	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	20	0.94	0.0	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	20	0.94	0.0	0.94
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	20	0.94	0.06	0.93
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	20	0.94	0.27	0.9
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	20	0.94	0.0	0.94
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	20	0.94	0.0	0.94
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	20	0.94	0.0	0.94
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	20	0.93	0.23	0.98
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	20	0.93	0.03	0.94
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	20	0.93	0.03	0.94
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	20	0.93	0.03	0.94
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	20	0.93	0.03	0.94
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	20	0.93	0.03	0.94
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	20	0.93	0.03	0.94
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	20	0.93	0.11	0.89
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	20	0.93	0.01	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	20	0.93	0.0	0.93
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	20	0.93	0.02	0.94
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	20	0.93	0.01	0.93
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	20	0.92	0.18	0.97
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	20	0.92	0.18	0.97
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	20	0.92	0.18	0.97
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	20	0.92	0.04	0.92
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	20	0.92	0.02	0.93
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	20	0.92	0.02	0.92
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	20	0.92	0.01	0.92
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	20	0.92	0.04	0.92
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	20	0.92	0.01	0.92
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	20	0.92	0.03	0.92
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	20	0.92	0.05	0.92
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	20	0.92	0.01	0.92
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	20	0.92	0.04	0.93
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	20	0.92	0.04	0.93
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	20	0.92	0.04	0.93
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	20	0.92	0.02	0.92
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	20	0.92	0.01	0.92
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	20	0.92	0.04	0.92
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	20	0.92	0.02	0.91
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	20	0.91	0.01	0.91
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	20	0.91	0.13	0.88

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	20	0.91	0.04	0.9
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	20	0.91	0.04	0.9
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	20	0.91	0.04	0.9
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	20	0.91	0.01	0.9
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	20	0.91	0.06	0.92
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	20	0.91	0.04	0.9
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	20	0.91	0.0	0.91
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	20	0.91	0.03	0.92
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	20	0.91	0.02	0.91
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	20	0.9	0.01	0.9
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	20	0.9	0.1	0.94
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	20	0.9	0.02	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	20	0.9	0.0	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	20	0.9	0.0	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	20	0.9	0.0	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	20	0.9	0.0	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	20	0.9	0.0	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	20	0.9	0.0	0.9
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	20	0.9	0.02	0.9
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	20	0.9	0.02	0.9
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	20	0.9	0.02	0.9
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	20	0.9	0.03	0.9
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	20	0.89	0.01	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	20	0.89	0.02	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	20	0.89	0.02	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	20	0.89	0.02	0.9
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	20	0.89	0.01	0.89
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	20	0.89	0.01	0.89
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	20	0.89	0.01	0.89
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	20	0.89	0.01	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	20	0.89	0.0	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	20	0.89	0.03	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	20	0.89	0.03	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	20	0.89	0.03	0.89
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	20	0.89	0.08	0.86
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	20	0.89	0.05	0.9
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	20	0.89	0.01	0.89
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	20	0.89	0.01	0.89
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	20	0.89	0.01	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	20	0.89	0.0	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	20	0.89	0.0	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	20	0.89	0.0	0.89

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	20	0.89	0.01	0.89
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	20	0.89	0.18	0.87
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	20	0.89	0.01	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	20	0.89	0.01	0.88
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	20	0.88	0.01	0.88
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	20	0.88	0.02	0.88
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	20	0.88	0.02	0.87
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	20	0.88	0.02	0.88
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	20	0.88	0.08	0.89
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	20	0.88	0.03	0.86
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	20	0.88	0.03	0.87
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	20	0.87	0.03	0.89
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	20	0.87	0.0	0.87
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	20	0.87	0.02	0.86
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	20	0.87	0.32	0.84
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	20	0.87	0.05	0.86
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	20	0.87	0.3	1.04
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	20	0.87	0.02	0.86
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	20	0.87	0.03	0.87
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	20	0.86	0.01	0.87
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	20	0.86	0.02	0.87
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	20	0.86	0.01	0.87
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	20	0.86	0.0	0.86
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	20	0.86	0.03	0.87
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	20	0.86	0.06	0.84
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	20	0.86	0.01	0.86
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	20	0.86	0.01	0.86
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	20	0.86	0.0	0.86
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	20	0.86	0.04	0.86
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	20	0.86	0.04	0.86
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	20	0.86	0.06	0.88
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	20	0.85	0.0	0.85
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	20	0.85	0.22	0.7
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	20	0.85	0.0	0.85
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	20	0.85	0.01	0.85
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	20	0.85	0.04	0.84
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	20	0.85	0.04	0.84
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	20	0.85	0.04	0.84
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	20	0.85	0.04	0.84
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	20	0.85	0.04	0.84
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	20	0.85	0.04	0.84
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	20	0.85	0.13	0.88

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	20	0.85	0.24	0.92
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	20	0.85	0.0	0.85
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	20	0.85	0.04	0.86
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	20	0.85	0.04	0.86
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	20	0.85	0.05	0.86
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	20	0.85	0.01	0.85
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	20	0.84	0.0	0.84
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	20	0.84	0.3	0.81
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	20	0.84	0.0	0.84
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	20	0.84	0.05	0.83
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	20	0.84	0.01	0.84
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	20	0.84	0.01	0.84
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	20	0.84	0.1	0.82
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	20	0.84	0.09	0.88
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	20	0.84	0.0	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	20	0.84	0.0	0.84
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	20	0.84	0.02	0.84
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	20	0.84	0.02	0.84
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	20	0.84	0.02	0.84
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	20	0.84	0.01	0.84
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	20	0.84	0.02	0.84
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	20	0.84	0.01	0.84
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	20	0.84	0.01	0.84
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	20	0.84	0.05	0.84
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	20	0.83	0.05	0.82
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	20	0.83	0.05	0.82
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	20	0.83	0.15	0.78
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	20	0.83	0.04	0.83
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	20	0.83	0.09	0.84
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	20	0.83	0.09	0.84
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	20	0.83	0.09	0.84
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	20	0.83	0.02	0.83
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	20	0.83	0.15	0.81
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	20	0.83	0.02	0.83
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	20	0.83	0.01	0.83
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	20	0.83	0.01	0.83
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	20	0.83	0.01	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	20	0.83	0.01	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	20	0.83	0.01	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	20	0.83	0.01	0.83
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	20	0.83	0.04	0.82
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	20	0.83	0.01	0.83

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	20	0.82	0.23	0.9
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	20	0.82	0.23	0.9
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	20	0.82	0.03	0.83
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	20	0.82	0.03	0.82
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	20	0.82	0.01	0.82
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	20	0.82	0.01	0.82
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	20	0.82	0.02	0.82
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	20	0.82	0.02	0.82
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	20	0.82	0.02	0.82
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	20	0.82	0.18	0.9
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	20	0.82	0.18	0.9
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	20	0.82	0.04	0.82
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	20	0.82	0.02	0.82
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	20	0.81	0.02	0.82
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	20	0.81	0.03	0.82
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	20	0.81	0.01	0.82
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	20	0.81	0.01	0.81
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	20	0.81	0.04	0.83
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	20	0.81	0.04	0.83
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	20	0.81	0.04	0.83
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	20	0.81	0.01	0.81
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	20	0.81	0.01	0.81
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	20	0.81	0.15	0.78
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	20	0.81	0.04	0.81
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	20	0.81	0.03	0.8
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	20	0.81	0.09	0.82
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	20	0.81	0.09	0.82
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	20	0.81	0.09	0.82
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	20	0.81	0.07	0.84
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	20	0.81	0.0	0.81
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	20	0.81	0.02	0.8
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	20	0.81	0.02	0.8
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	20	0.81	0.02	0.8
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	20	0.81	0.04	0.8
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	20	0.81	0.02	0.81
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	20	0.8	0.38	1.06
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	20	0.8	0.03	0.8
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	20	0.8	0.06	0.78
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	20	0.8	0.06	0.78
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	20	0.8	0.06	0.78
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	20	0.8	0.06	0.78
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	20	0.8	0.06	0.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	20	0.8	0.06	0.78
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	20	0.8	0.14	0.86
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	20	0.8	0.02	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	20	0.8	0.01	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	20	0.8	0.01	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	20	0.8	0.01	0.8
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	20	0.8	0.03	0.79
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	20	0.8	0.04	0.8
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	20	0.8	0.49	0.51
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	20	0.79	0.01	0.79
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	20	0.79	0.02	0.79
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	20	0.79	0.01	0.8
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	20	0.79	0.01	0.79
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	20	0.79	0.01	0.79
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	20	0.79	0.07	0.77
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	20	0.79	0.01	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	20	0.79	0.01	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	20	0.79	0.01	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	20	0.79	0.0	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	20	0.79	0.0	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	20	0.79	0.0	0.79
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	20	0.79	0.01	0.79
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	20	0.79	0.06	0.79
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	20	0.79	0.01	0.79
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	20	0.79	0.04	0.78
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	20	0.79	0.04	0.78
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	20	0.79	0.04	0.78
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	20	0.79	0.0	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	20	0.79	0.0	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	20	0.79	0.0	0.79
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	20	0.79	0.01	0.79
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	20	0.79	0.01	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	20	0.78	0.01	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	20	0.78	0.01	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	20	0.78	0.01	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	20	0.78	0.01	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	20	0.78	0.01	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	20	0.78	0.01	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	20	0.78	0.01	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	20	0.78	0.01	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	20	0.78	0.01	0.78
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	20	0.78	0.05	0.77

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	20	0.78	0.02	0.78
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	20	0.78	0.04	0.78
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	20	0.78	0.04	0.78
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	20	0.78	0.04	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	20	0.78	0.0	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	20	0.78	0.0	0.78
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	20	0.78	0.0	0.78
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	20	0.78	0.01	0.78
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	20	0.78	0.01	0.78
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	20	0.78	0.0	0.78
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	20	0.78	0.23	0.74
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	20	0.78	0.02	0.78
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	20	0.77	0.01	0.77
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	20	0.77	0.02	0.78
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	20	0.77	0.02	0.78
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	20	0.77	0.02	0.78
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	20	0.77	0.01	0.78
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	20	0.77	0.04	0.77
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	20	0.77	0.01	0.77
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	20	0.77	0.01	0.77
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	20	0.77	0.01	0.77
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	20	0.77	0.06	0.78
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	20	0.77	0.02	0.78
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	20	0.77	0.2	0.74
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	20	0.77	0.0	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	20	0.77	0.0	0.77
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	20	0.77	0.01	0.77
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	20	0.77	0.03	0.76
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	20	0.77	0.03	0.76
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	20	0.77	0.02	0.77
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	20	0.77	0.18	0.73
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	20	0.77	0.08	0.76
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	20	0.76	0.02	0.76
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	20	0.76	0.02	0.76
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	20	0.76	0.02	0.76
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	20	0.76	0.01	0.76
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	20	0.76	0.1	0.79
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	20	0.76	0.01	0.76
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	20	0.76	0.04	0.78
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	20	0.76	0.01	0.76
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	20	0.76	0.06	0.78
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	20	0.76	0.11	0.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	20	0.76	0.01	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	20	0.76	0.0	0.76
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	20	0.76	0.01	0.76
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	20	0.76	0.04	0.75
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	20	0.76	0.04	0.75
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	20	0.76	0.04	0.75
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	20	0.76	0.14	0.8
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	20	0.76	0.01	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	20	0.76	0.01	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	20	0.76	0.01	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	20	0.76	0.01	0.76
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	20	0.76	0.01	0.76
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	20	0.76	0.02	0.76
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	20	0.76	0.04	0.76
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	20	0.76	0.04	0.76
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	20	0.76	0.04	0.76
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	20	0.76	0.01	0.76
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	20	0.76	0.01	0.76
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	20	0.76	0.01	0.76
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	20	0.75	0.06	0.77
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	20	0.75	0.02	0.76
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	20	0.75	0.01	0.75
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	20	0.75	0.03	0.76
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	20	0.75	0.03	0.76
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	20	0.75	0.03	0.76
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	20	0.75	0.01	0.75
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	20	0.75	0.15	0.8
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	20	0.75	0.01	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	20	0.75	0.0	0.75
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	20	0.75	0.0	0.75
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	20	0.75	0.02	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	20	0.75	0.02	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	20	0.75	0.02	0.74
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	20	0.75	0.03	0.75
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	20	0.75	0.04	0.75
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	20	0.75	0.04	0.75
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	20	0.75	0.04	0.75
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	20	0.75	0.01	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	20	0.75	0.01	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	20	0.75	0.01	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	20	0.75	0.01	0.75
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	20	0.75	0.01	0.75

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	20	0.75	0.01	0.75
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	20	0.74	0.03	0.74
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	20	0.74	0.03	0.74
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	20	0.74	0.03	0.74
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	20	0.74	0.03	0.74
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	20	0.74	0.03	0.74
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	20	0.74	0.03	0.74
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	20	0.74	0.06	0.75
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	20	0.74	0.15	0.69
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	20	0.74	0.01	0.74
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	20	0.74	0.09	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	20	0.74	0.0	0.74
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	20	0.74	0.01	0.74
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	20	0.74	0.01	0.74
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	20	0.74	0.01	0.74
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	20	0.74	0.09	0.71
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	20	0.74	0.01	0.73
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	20	0.73	0.01	0.73
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	20	0.73	0.02	0.73
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	20	0.73	0.05	0.75
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	20	0.73	0.01	0.73
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	20	0.73	0.02	0.73
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	20	0.73	0.03	0.73
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	20	0.73	0.13	0.75
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	20	0.73	0.13	0.75
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	20	0.73	0.13	0.75
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	20	0.73	0.0	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	20	0.73	0.01	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	20	0.73	0.01	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	20	0.73	0.01	0.73
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	20	0.73	0.0	0.73
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	20	0.73	0.04	0.73
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	20	0.73	0.06	0.72
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	20	0.73	0.06	0.72
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	20	0.73	0.06	0.72
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	20	0.73	0.02	0.72
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	20	0.72	0.05	0.74
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	20	0.72	0.08	0.73
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	20	0.72	0.08	0.73
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	20	0.72	0.08	0.73
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	20	0.72	0.02	0.72
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	20	0.72	0.03	0.72

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	20	0.72	0.02	0.72
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	20	0.72	0.02	0.72
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	20	0.72	0.02	0.72
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	20	0.72	0.02	0.72
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	20	0.72	0.04	0.71
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	20	0.72	0.01	0.72
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	20	0.72	0.01	0.72
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	20	0.72	0.03	0.73
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	20	0.72	0.03	0.73
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	20	0.72	0.01	0.72
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	20	0.72	0.02	0.73
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	20	0.72	0.04	0.7
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	20	0.72	0.04	0.7
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	20	0.72	0.04	0.7
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	20	0.72	0.03	0.72
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	20	0.72	0.02	0.71
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	20	0.72	0.01	0.72
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	20	0.72	0.01	0.72
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	20	0.71	0.02	0.72
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	20	0.71	0.02	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	20	0.71	0.02	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	20	0.71	0.02	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	20	0.71	0.02	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	20	0.71	0.02	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	20	0.71	0.02	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	20	0.71	0.02	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	20	0.71	0.02	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	20	0.71	0.02	0.71
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	20	0.71	0.03	0.7
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	20	0.71	0.08	0.74
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	20	0.71	0.01	0.71
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	20	0.71	0.02	0.71
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	20	0.71	0.02	0.71
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	20	0.71	0.02	0.71
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	20	0.71	0.01	0.71
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	20	0.71	0.29	0.6
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	20	0.71	0.15	0.68
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	20	0.71	0.06	0.72
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	20	0.71	0.03	0.7
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	20	0.71	0.02	0.7
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	20	0.71	0.13	0.74
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	20	0.71	0.13	0.74

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	20	0.71	0.13	0.74
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	20	0.71	0.02	0.7
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	20	0.71	0.02	0.7
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	20	0.71	0.04	0.72
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	20	0.71	0.21	0.7
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	20	0.71	0.21	0.7
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	20	0.71	0.21	0.7
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	20	0.71	0.04	0.7
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	20	0.71	0.02	0.7
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	20	0.71	0.02	0.7
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	20	0.7	0.04	0.7
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	20	0.7	0.04	0.7
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	20	0.7	0.04	0.7
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	20	0.7	0.02	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	20	0.7	0.01	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	20	0.7	0.01	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	20	0.7	0.01	0.7
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	20	0.7	0.02	0.71
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	20	0.7	0.14	0.68
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	20	0.7	0.14	0.68
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	20	0.7	0.14	0.68
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	20	0.7	0.09	0.72
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	20	0.7	0.02	0.7
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	20	0.7	0.02	0.7
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	20	0.7	0.02	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	20	0.7	0.0	0.7
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	20	0.7	0.0	0.7
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	20	0.7	0.01	0.7
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	20	0.7	0.01	0.7
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	20	0.7	0.08	0.67
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	20	0.7	0.08	0.67
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	20	0.7	0.02	0.7
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	20	0.7	0.02	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	20	0.69	0.01	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	20	0.69	0.01	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	20	0.69	0.01	0.7
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	20	0.69	0.01	0.7
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	20	0.69	0.12	0.76
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	20	0.69	0.01	0.69
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	20	0.69	0.04	0.7
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	20	0.69	0.04	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	20	0.69	0.01	0.69

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	20	0.69	0.01	0.69
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	20	0.69	0.01	0.69
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	20	0.69	0.01	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	20	0.69	0.0	0.69
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	20	0.69	0.0	0.69
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	20	0.69	0.02	0.69
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	20	0.69	0.03	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	20	0.69	0.01	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	20	0.69	0.01	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	20	0.69	0.01	0.69
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	20	0.69	0.0	0.69
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	20	0.69	0.0	0.69
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	20	0.69	0.0	0.69
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	20	0.69	0.01	0.69
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	20	0.68	0.02	0.68
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	20	0.68	0.03	0.7
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	20	0.68	0.04	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	20	0.68	0.0	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	20	0.68	0.0	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	20	0.68	0.0	0.68
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	20	0.68	0.05	0.66
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	20	0.68	0.04	0.68
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	20	0.68	0.01	0.68
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	20	0.68	0.01	0.68
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	20	0.68	0.07	0.7
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	20	0.68	0.01	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	20	0.68	0.01	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	20	0.68	0.01	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	20	0.68	0.0	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	20	0.68	0.0	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	20	0.68	0.0	0.68
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	20	0.68	0.04	0.68
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	20	0.68	0.04	0.68
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	20	0.68	0.0	0.68
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	20	0.68	0.0	0.68
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	20	0.68	0.01	0.67
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	20	0.68	0.03	0.66
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	20	0.68	0.02	0.68
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	20	0.68	0.02	0.68
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	20	0.67	0.04	0.67
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	20	0.67	0.28	0.54
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	20	0.67	0.01	0.67

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	20	0.67	0.02	0.67
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	20	0.67	0.01	0.67
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	20	0.67	0.01	0.67
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	20	0.67	0.01	0.67
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	20	0.67	0.08	0.68
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	20	0.67	0.08	0.68
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	20	0.67	0.24	0.57
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	20	0.67	0.24	0.57
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	20	0.67	0.24	0.57
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	20	0.67	0.01	0.67
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	20	0.67	0.01	0.67
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	20	0.67	0.0	0.67
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	20	0.67	0.06	0.64
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	20	0.67	0.06	0.64
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	20	0.67	0.06	0.64
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	20	0.67	0.06	0.64
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	20	0.67	0.06	0.64
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	20	0.67	0.06	0.64
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	20	0.67	0.06	0.64
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	20	0.67	0.06	0.64
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	20	0.67	0.06	0.64
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	20	0.67	0.06	0.67
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	20	0.66	0.02	0.67
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	20	0.66	0.02	0.66
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	20	0.66	0.02	0.66
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	20	0.66	0.02	0.66
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	20	0.66	0.05	0.67
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	20	0.66	0.04	0.68
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	20	0.66	0.2	0.75
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	20	0.66	0.0	0.66
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	20	0.66	0.01	0.66
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	20	0.66	0.01	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	20	0.66	0.0	0.66
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	20	0.66	0.04	0.66
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	20	0.66	0.04	0.66
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	20	0.66	0.04	0.66
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	20	0.66	0.04	0.68
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	20	0.66	0.01	0.66
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	20	0.66	0.01	0.66
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	20	0.66	0.01	0.66
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	20	0.66	0.01	0.66
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	20	0.66	0.01	0.66

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	20	0.66	0.01	0.66
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	20	0.66	0.03	0.66
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	20	0.66	0.03	0.66
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	20	0.66	0.03	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	20	0.66	0.01	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	20	0.66	0.01	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	20	0.66	0.01	0.66
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	20	0.66	0.02	0.65
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	20	0.66	0.02	0.65
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	20	0.66	0.64	0.3
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	20	0.66	0.11	0.64
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	20	0.66	0.11	0.64
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	20	0.66	0.01	0.65
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	20	0.66	0.03	0.66
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	20	0.66	0.01	0.65
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	20	0.66	0.05	0.64
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	20	0.65	0.01	0.66
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	20	0.65	0.05	0.65
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	20	0.65	0.05	0.65
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	20	0.65	0.05	0.65
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	20	0.65	0.05	0.65
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	20	0.65	0.05	0.65
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	20	0.65	0.05	0.65
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	20	0.65	0.01	0.65
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	20	0.65	0.06	0.68
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	20	0.65	0.07	0.67
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	20	0.65	0.23	0.49
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	20	0.65	0.01	0.65
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	20	0.65	0.0	0.65
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	20	0.65	0.02	0.66
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	20	0.65	0.02	0.66
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	20	0.65	0.02	0.66
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	20	0.65	0.02	0.66
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	20	0.65	0.02	0.66
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	20	0.65	0.02	0.66
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	20	0.65	0.02	0.66
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	20	0.65	0.02	0.66
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	20	0.65	0.02	0.66
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	20	0.65	0.03	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	20	0.65	0.0	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	20	0.65	0.0	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	20	0.65	0.0	0.65

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	20	0.65	0.06	0.66
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	20	0.65	0.02	0.65
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	20	0.65	0.02	0.65
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	20	0.65	0.02	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	20	0.65	0.02	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	20	0.65	0.02	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	20	0.65	0.02	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	20	0.65	0.02	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	20	0.65	0.02	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	20	0.65	0.02	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	20	0.65	0.0	0.65
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	20	0.65	0.14	0.63
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	20	0.65	0.04	0.65
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	20	0.65	0.04	0.65
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	20	0.65	0.04	0.65
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	20	0.65	0.03	0.64
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	20	0.65	0.05	0.64
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	20	0.65	0.03	0.65
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	20	0.64	0.05	0.64
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	20	0.64	0.05	0.64
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	20	0.64	0.05	0.64
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	20	0.64	0.17	0.74
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	20	0.64	0.0	0.64
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	20	0.64	0.04	0.63
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	20	0.64	0.03	0.64
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	20	0.64	0.13	0.66
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	20	0.64	0.13	0.66
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	20	0.64	0.07	0.62
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	20	0.64	0.07	0.66
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	20	0.64	0.05	0.62
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	20	0.64	0.0	0.64
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	20	0.64	0.0	0.64
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	20	0.64	0.03	0.62
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	20	0.64	0.03	0.62
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	20	0.64	0.03	0.62
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	20	0.64	0.03	0.62
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	20	0.64	0.03	0.62
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	20	0.64	0.03	0.62
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	20	0.64	0.04	0.63
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	20	0.64	0.07	0.64
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	20	0.64	0.16	0.72
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	20	0.64	0.03	0.63

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	20	0.64	0.03	0.63
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	20	0.64	0.03	0.63
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	20	0.64	0.03	0.63
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	20	0.64	0.03	0.63
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	20	0.64	0.03	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	20	0.64	0.01	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	20	0.64	0.01	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	20	0.64	0.01	0.64
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	20	0.63	0.0	0.63
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	20	0.63	0.01	0.63
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	20	0.63	0.07	0.64
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	20	0.63	0.07	0.64
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	20	0.63	0.07	0.64
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	20	0.63	0.02	0.63
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	20	0.63	0.01	0.63
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	20	0.63	0.01	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	20	0.63	0.01	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	20	0.63	0.01	0.62
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	20	0.63	0.03	0.64
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	20	0.63	0.01	0.63
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	20	0.63	0.01	0.62
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	20	0.63	0.0	0.63
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	20	0.62	0.02	0.62
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	20	0.62	0.06	0.6
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	20	0.62	0.01	0.62
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	20	0.62	0.01	0.62
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	20	0.62	0.06	0.6
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	20	0.62	0.06	0.6
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	20	0.62	0.06	0.6
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	20	0.62	0.04	0.63
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	20	0.62	0.02	0.63
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	20	0.62	0.02	0.62
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	20	0.62	0.03	0.61
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	20	0.62	0.05	0.62
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	20	0.62	0.32	0.43
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	20	0.62	0.0	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	20	0.62	0.0	0.62
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	20	0.62	0.03	0.62
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	20	0.62	0.01	0.62
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	20	0.62	0.0	0.62
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	20	0.62	0.03	0.62
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	20	0.62	0.03	0.62

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	20	0.62	0.04	0.62
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	20	0.62	0.03	0.61
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	20	0.62	0.01	0.62
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	20	0.62	0.03	0.62
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	20	0.62	0.02	0.62
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	20	0.61	0.05	0.62
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	20	0.61	0.04	0.62
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	20	0.61	0.02	0.61
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	20	0.61	0.02	0.61
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	20	0.61	0.01	0.62
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	20	0.61	0.04	0.62
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	20	0.61	0.04	0.62
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	20	0.61	0.04	0.62
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	20	0.61	0.04	0.62
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	20	0.61	0.04	0.62
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	20	0.61	0.04	0.62
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	20	0.61	0.03	0.61
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	20	0.61	0.17	0.57
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	20	0.61	0.01	0.61
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	20	0.61	0.13	0.61
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	20	0.61	0.01	0.61
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	20	0.61	0.01	0.6
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	20	0.61	0.11	0.61
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	20	0.61	0.04	0.62
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	20	0.61	0.03	0.61
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	20	0.6	0.05	0.6
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	20	0.6	0.02	0.6
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	20	0.6	0.05	0.6
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	20	0.6	0.01	0.6
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	20	0.6	0.01	0.6
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	20	0.6	0.11	0.59
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	20	0.6	0.11	0.59
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	20	0.6	0.11	0.59
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	20	0.6	0.11	0.59
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	20	0.6	0.11	0.59
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	20	0.6	0.11	0.59
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	20	0.6	0.14	0.57
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	20	0.6	0.14	0.57
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	20	0.6	0.14	0.57
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	20	0.6	0.02	0.6
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	20	0.6	0.04	0.58
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	20	0.6	0.02	0.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	20	0.6	0.11	0.62
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	20	0.6	0.2	0.68
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	20	0.6	0.04	0.6
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	20	0.6	0.05	0.59
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	20	0.59	0.01	0.59
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	20	0.59	0.01	0.6
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	20	0.59	0.08	0.56
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	20	0.59	0.06	0.61
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	20	0.59	0.01	0.59
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	20	0.59	0.01	0.59
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	20	0.59	0.03	0.58
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	20	0.59	0.04	0.57
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	20	0.59	0.0	0.59
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	20	0.59	0.0	0.59
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	20	0.59	0.04	0.58
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	20	0.59	0.01	0.59
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	20	0.59	0.01	0.59
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	20	0.59	0.01	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	20	0.59	0.0	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	20	0.59	0.0	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	20	0.59	0.0	0.59
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	20	0.59	0.03	0.6
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	20	0.59	0.03	0.6
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	20	0.59	0.03	0.6
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	20	0.59	0.01	0.59
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	20	0.59	0.04	0.6
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	20	0.59	0.02	0.59
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	20	0.59	0.03	0.58
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	20	0.59	0.03	0.58
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	20	0.59	0.03	0.58
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	20	0.59	0.03	0.58
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	20	0.59	0.03	0.58
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	20	0.59	0.03	0.58
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	20	0.59	0.03	0.58
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	20	0.59	0.03	0.58
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	20	0.59	0.03	0.58
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	20	0.59	0.02	0.59
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	20	0.58	0.05	0.58
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	20	0.58	0.02	0.58
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	20	0.58	0.09	0.56
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	20	0.58	0.09	0.56
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	20	0.58	0.09	0.56

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	20	0.58	0.09	0.56
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	20	0.58	0.09	0.56
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	20	0.58	0.09	0.56
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	20	0.58	0.03	0.57
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	20	0.58	0.14	0.55
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	20	0.58	0.01	0.58
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	20	0.58	0.01	0.58
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	20	0.58	0.01	0.58
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	20	0.58	0.01	0.58
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	20	0.58	0.09	0.6
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	20	0.57	0.01	0.57
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	20	0.57	0.04	0.57
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	20	0.57	0.09	0.58
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	20	0.57	0.09	0.58
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	20	0.57	0.11	0.6
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	20	0.57	0.0	0.57
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	20	0.57	0.09	0.53
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	20	0.57	0.09	0.53
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	20	0.57	0.09	0.53
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	20	0.57	0.05	0.58
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	20	0.57	0.0	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	20	0.57	0.0	0.57
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	20	0.57	0.06	0.58
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	20	0.57	0.02	0.57
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	20	0.57	0.03	0.55
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	20	0.57	0.03	0.55
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	20	0.57	0.01	0.57
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	20	0.57	0.03	0.56
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	20	0.57	0.03	0.56
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	20	0.57	0.03	0.56
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	20	0.57	0.05	0.56
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	20	0.57	0.05	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	20	0.57	0.01	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	20	0.57	0.01	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	20	0.57	0.01	0.56
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	20	0.57	0.02	0.56
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	20	0.56	0.01	0.56
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	20	0.56	0.01	0.56
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	20	0.56	0.01	0.56
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	20	0.56	0.03	0.57
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	20	0.56	0.28	0.39
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	20	0.56	0.02	0.56

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	20	0.56	0.02	0.56
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	20	0.56	0.02	0.56
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	20	0.56	0.02	0.56
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	20	0.56	0.06	0.57
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	20	0.56	0.0	0.56
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	20	0.56	0.01	0.56
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	20	0.56	0.02	0.57
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	20	0.56	0.01	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	20	0.56	0.0	0.56
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	20	0.56	0.04	0.57
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	20	0.56	0.01	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	20	0.56	0.01	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	20	0.56	0.01	0.56
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	20	0.56	0.01	0.56
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	20	0.56	0.01	0.56
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	20	0.56	0.01	0.56
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	20	0.56	0.04	0.56
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	20	0.56	0.04	0.56
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	20	0.56	0.04	0.56
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	20	0.56	0.03	0.55
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	20	0.56	0.04	0.55
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	20	0.56	0.01	0.56
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	20	0.56	0.02	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	20	0.56	0.02	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	20	0.56	0.02	0.55
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	20	0.56	0.07	0.55
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	20	0.56	0.07	0.55
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	20	0.56	0.07	0.55
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	20	0.56	0.03	0.56
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	20	0.56	0.01	0.55
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	20	0.56	0.05	0.56
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	20	0.55	0.02	0.55
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	20	0.55	0.02	0.55
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	20	0.55	0.1	0.57
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	20	0.55	0.0	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	20	0.55	0.0	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	20	0.55	0.0	0.55
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	20	0.55	0.0	0.55
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	20	0.55	0.0	0.55
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	20	0.55	0.0	0.55
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	20	0.55	0.0	0.55
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	20	0.55	0.0	0.55

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	20	0.55	0.0	0.55
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	20	0.55	0.01	0.55
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	20	0.55	0.03	0.55
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	20	0.55	0.02	0.55
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	20	0.55	0.04	0.56
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	20	0.55	0.0	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	20	0.55	0.0	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	20	0.55	0.0	0.55
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	20	0.55	0.02	0.55
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	20	0.55	0.02	0.55
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	20	0.55	0.02	0.55
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	20	0.55	0.03	0.55
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	20	0.55	0.03	0.55
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	20	0.55	0.03	0.55
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	20	0.55	0.02	0.55
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	20	0.55	0.0	0.55
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	20	0.55	0.0	0.55
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	20	0.55	0.01	0.55
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	20	0.55	0.01	0.55
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	20	0.55	0.01	0.55
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	20	0.55	0.05	0.54
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	20	0.54	0.3	0.51
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	20	0.54	0.01	0.54
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	20	0.54	0.04	0.54
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	20	0.54	0.01	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	20	0.54	0.0	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	20	0.54	0.0	0.54
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	20	0.54	0.06	0.55
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	20	0.54	0.25	0.42
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	20	0.54	0.25	0.42
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	20	0.54	0.25	0.42
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	20	0.54	0.09	0.51
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	20	0.54	0.09	0.51
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	20	0.54	0.09	0.51
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	20	0.54	0.09	0.51
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	20	0.54	0.09	0.51
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	20	0.54	0.09	0.51
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	20	0.54	0.06	0.53
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	20	0.54	0.04	0.53
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	20	0.54	0.02	0.53
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	20	0.54	0.02	0.53
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	20	0.54	0.02	0.53

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	20	0.54	0.02	0.53
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	20	0.53	0.03	0.54
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	20	0.53	0.03	0.54
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	20	0.53	0.03	0.54
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	20	0.53	0.01	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	20	0.53	0.01	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	20	0.53	0.01	0.53
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	20	0.53	0.01	0.53
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	20	0.53	0.03	0.55
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	20	0.53	0.09	0.52
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	20	0.53	0.01	0.53
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	20	0.53	0.04	0.52
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	20	0.53	0.01	0.53
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	20	0.53	0.01	0.53
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	20	0.53	0.06	0.52
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	20	0.53	0.02	0.53
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	20	0.53	0.08	0.51
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	20	0.53	0.27	0.45
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	20	0.53	0.01	0.53
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	20	0.53	0.01	0.53
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	20	0.53	0.01	0.53
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	20	0.53	0.01	0.53
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	20	0.53	0.01	0.52
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	20	0.53	0.05	0.54
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	20	0.53	0.05	0.54
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	20	0.53	0.01	0.53
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	20	0.53	0.01	0.53
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	20	0.53	0.01	0.53
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	20	0.53	0.1	0.52
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	20	0.53	0.1	0.52
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	20	0.53	0.1	0.52
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	20	0.53	0.1	0.52
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	20	0.53	0.1	0.52
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	20	0.53	0.1	0.52
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	20	0.53	0.04	0.52
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	20	0.53	0.04	0.53
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	20	0.53	0.08	0.54
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	20	0.53	0.08	0.54
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	20	0.53	0.08	0.54
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	20	0.53	0.01	0.53
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	20	0.53	0.16	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	20	0.53	0.16	0.61

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	20	0.53	0.16	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	20	0.53	0.16	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	20	0.53	0.16	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	20	0.53	0.16	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	20	0.53	0.16	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	20	0.53	0.16	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	20	0.53	0.16	0.61
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	20	0.52	0.01	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	20	0.52	0.01	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	20	0.52	0.01	0.52
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	20	0.52	0.01	0.52
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	20	0.52	0.02	0.53
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	20	0.52	0.01	0.52
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	20	0.52	0.02	0.52
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	20	0.52	0.02	0.52
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	20	0.52	0.02	0.52
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	20	0.52	0.01	0.52
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	20	0.52	0.1	0.49
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	20	0.52	0.26	0.45
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	20	0.52	0.01	0.52
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	20	0.52	0.01	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	20	0.52	0.0	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	20	0.52	0.0	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	20	0.52	0.0	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	20	0.52	0.0	0.52
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	20	0.52	0.03	0.52
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	20	0.52	0.03	0.52
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	20	0.51	0.02	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	20	0.51	0.02	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	20	0.51	0.02	0.53
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	20	0.51	0.03	0.52
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	20	0.51	0.04	0.52
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	20	0.51	0.01	0.52
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	20	0.51	0.02	0.52
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	20	0.51	0.01	0.51
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	20	0.51	0.04	0.52
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	20	0.51	0.04	0.52
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	20	0.51	0.04	0.5
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	20	0.51	0.03	0.51
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	20	0.51	0.05	0.51
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	20	0.51	0.01	0.51
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	20	0.51	0.01	0.51

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	20	0.51	0.08	0.48
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	20	0.51	0.03	0.5
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	20	0.51	0.0	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	20	0.51	0.0	0.51
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	20	0.51	0.0	0.51
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	20	0.51	0.0	0.51
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	20	0.51	0.01	0.51
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	20	0.51	0.02	0.5
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	20	0.5	0.01	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	20	0.5	0.01	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	20	0.5	0.01	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	20	0.5	0.01	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	20	0.5	0.01	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	20	0.5	0.01	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	20	0.5	0.01	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	20	0.5	0.01	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	20	0.5	0.01	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	20	0.5	0.01	0.5
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	20	0.5	0.05	0.49
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	20	0.5	0.05	0.49
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	20	0.5	0.05	0.49
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	20	0.5	0.02	0.5
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	20	0.5	0.01	0.5
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	20	0.5	0.0	0.5
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	20	0.5	0.01	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	20	0.5	0.0	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	20	0.5	0.0	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	20	0.5	0.0	0.5
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	20	0.5	0.03	0.5
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	20	0.5	0.07	0.52
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	20	0.5	0.14	0.56
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	20	0.5	0.01	0.5
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	20	0.5	0.03	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	20	0.5	0.02	0.5
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	20	0.5	0.02	0.5
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	20	0.5	0.02	0.5
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	20	0.5	0.03	0.49
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	20	0.5	0.03	0.49
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	20	0.5	0.03	0.49
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	20	0.5	0.01	0.5
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	20	0.5	0.03	0.48
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	20	0.5	0.03	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	20	0.5	0.03	0.48
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	20	0.5	0.03	0.48
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	20	0.5	0.03	0.48
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	20	0.5	0.03	0.48
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	20	0.5	0.03	0.48
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	20	0.5	0.03	0.48
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	20	0.5	0.03	0.48
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	20	0.5	0.03	0.49
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	20	0.5	0.01	0.5
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	20	0.5	0.03	0.5
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	20	0.5	0.05	0.5
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	20	0.5	0.05	0.5
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	20	0.5	0.05	0.5
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	20	0.5	0.05	0.5
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	20	0.5	0.05	0.5
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	20	0.5	0.05	0.5
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	20	0.49	0.01	0.49
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	20	0.49	0.01	0.5
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	20	0.49	0.02	0.5
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	20	0.49	0.02	0.5
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	20	0.49	0.02	0.5
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	20	0.49	0.02	0.5
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	20	0.49	0.01	0.49
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	20	0.49	0.01	0.49
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	20	0.49	0.01	0.49
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	20	0.49	0.03	0.48
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	20	0.49	0.0	0.49
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	20	0.49	0.0	0.49
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	20	0.49	0.0	0.49
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	20	0.49	0.01	0.49
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	20	0.49	0.05	0.51
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	20	0.49	0.0	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	20	0.49	0.0	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	20	0.49	0.0	0.49
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	20	0.49	0.01	0.49
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	20	0.49	0.04	0.47
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	20	0.49	0.0	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	20	0.49	0.0	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	20	0.49	0.0	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	20	0.49	0.0	0.49
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	20	0.49	0.05	0.48
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	20	0.49	0.04	0.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	20	0.49	0.11	0.53
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	20	0.49	0.0	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	20	0.49	0.0	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	20	0.49	0.0	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	20	0.49	0.0	0.49
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	20	0.49	0.04	0.5
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	20	0.49	0.0	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	20	0.49	0.0	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	20	0.49	0.0	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	20	0.49	0.0	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	20	0.49	0.0	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	20	0.49	0.0	0.49
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	20	0.49	0.02	0.48
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	20	0.49	0.0	0.49
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	20	0.49	0.01	0.49
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	20	0.49	0.01	0.49
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	20	0.49	0.1	0.47
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	20	0.49	0.05	0.5
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	20	0.49	0.01	0.49
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	20	0.48	0.55	0.28
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	20	0.48	0.0	0.48
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	20	0.48	0.0	0.48
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	20	0.48	0.07	0.52
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	20	0.48	0.07	0.52
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	20	0.48	0.07	0.52
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	20	0.48	0.0	0.48
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	20	0.48	0.0	0.48
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	20	0.48	0.04	0.49
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	20	0.48	0.01	0.48
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	20	0.48	0.12	0.48
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	20	0.48	0.0	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	20	0.48	0.0	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	20	0.48	0.0	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	20	0.48	0.0	0.48
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	20	0.48	0.01	0.48
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	20	0.48	0.0	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	20	0.48	0.0	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	20	0.48	0.0	0.48
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	20	0.48	0.0	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	20	0.48	0.0	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	20	0.48	0.0	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	20	0.48	0.0	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	20	0.48	0.0	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	20	0.48	0.0	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	20	0.48	0.0	0.48
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	20	0.48	0.01	0.48
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	20	0.48	0.01	0.48
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	20	0.48	0.01	0.48
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	20	0.48	0.07	0.5
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	20	0.48	0.17	0.42
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	20	0.48	0.0	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	20	0.48	0.0	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	20	0.48	0.0	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	20	0.48	0.0	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	20	0.48	0.0	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	20	0.48	0.0	0.48
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	20	0.48	0.03	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	20	0.48	0.0	0.48
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	20	0.48	0.01	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	20	0.48	0.0	0.48
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	20	0.48	0.09	0.5
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	20	0.48	0.09	0.5
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	20	0.48	0.03	0.48
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	20	0.48	0.01	0.48
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	20	0.48	0.03	0.47
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	20	0.48	0.0	0.48
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	20	0.48	0.01	0.48
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	20	0.48	0.1	0.5
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	20	0.48	0.1	0.5
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	20	0.48	0.1	0.5
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	20	0.48	0.09	0.51
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	20	0.48	0.02	0.47
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	20	0.47	0.12	0.5
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	20	0.47	0.12	0.5
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	20	0.47	0.12	0.5
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	20	0.47	0.12	0.5
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	20	0.47	0.12	0.5
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	20	0.47	0.12	0.5
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	20	0.47	0.12	0.5
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	20	0.47	0.12	0.5
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	20	0.47	0.12	0.5
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	20	0.47	0.21	0.35
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	20	0.47	0.21	0.35
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	20	0.47	0.21	0.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	20	0.47	0.11	0.5
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	20	0.47	0.0	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	20	0.47	0.0	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	20	0.47	0.0	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	20	0.47	0.0	0.47
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	20	0.47	0.05	0.49
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	20	0.47	0.0	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	20	0.47	0.0	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	20	0.47	0.0	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	20	0.47	0.0	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	20	0.47	0.0	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	20	0.47	0.0	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	20	0.47	0.0	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	20	0.47	0.0	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	20	0.47	0.0	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	20	0.47	0.0	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	20	0.47	0.0	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	20	0.47	0.0	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	20	0.47	0.0	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	20	0.47	0.0	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	20	0.47	0.0	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	20	0.47	0.01	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	20	0.47	0.01	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	20	0.47	0.01	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	20	0.47	0.0	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	20	0.47	0.0	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	20	0.47	0.0	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	20	0.47	0.0	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	20	0.47	0.0	0.47
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	20	0.47	0.0	0.47
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	20	0.47	0.21	0.54
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	20	0.47	0.02	0.47
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	20	0.47	0.02	0.46
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	20	0.47	0.05	0.46
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	20	0.47	0.01	0.47
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	20	0.47	0.01	0.47
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	20	0.47	0.01	0.47
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	20	0.47	0.02	0.46
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	20	0.47	0.01	0.47
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	20	0.46	0.03	0.46
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	20	0.46	0.06	0.44
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	20	0.46	0.27	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	20	0.46	0.02	0.47
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	20	0.46	0.01	0.46
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	20	0.46	0.03	0.47
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	20	0.46	0.04	0.46
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	20	0.46	0.02	0.46
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	20	0.46	0.02	0.46
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	20	0.46	0.05	0.48
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	20	0.46	0.05	0.48
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	20	0.46	0.05	0.48
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	20	0.46	0.02	0.46
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	20	0.46	0.01	0.46
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	20	0.46	0.0	0.46
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	20	0.46	0.0	0.46
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	20	0.46	0.01	0.46
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	20	0.46	0.02	0.47
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	20	0.46	0.01	0.46
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	20	0.46	0.02	0.46
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	20	0.46	0.1	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	20	0.46	0.01	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	20	0.46	0.01	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	20	0.46	0.01	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	20	0.46	0.01	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	20	0.46	0.01	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	20	0.46	0.01	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	20	0.46	0.01	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	20	0.46	0.01	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	20	0.46	0.01	0.46
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	20	0.46	0.0	0.46
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	20	0.46	0.0	0.46
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	20	0.46	0.0	0.46
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	20	0.46	0.02	0.46
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	20	0.46	0.02	0.46
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	20	0.46	0.02	0.46
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	20	0.46	0.01	0.46
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	20	0.46	0.02	0.46
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	20	0.46	0.18	0.39
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	20	0.46	0.01	0.46
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	20	0.45	0.05	0.44
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	20	0.45	0.05	0.44
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	20	0.45	0.05	0.44
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	20	0.45	0.0	0.45
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	20	0.45	0.03	0.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	20	0.45	0.0	0.45
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	20	0.45	0.1	0.4
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	20	0.45	0.0	0.45
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	20	0.45	0.23	0.29
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	20	0.45	0.05	0.46
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	20	0.45	0.07	0.45
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	20	0.45	0.0	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	20	0.45	0.02	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	20	0.45	0.02	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	20	0.45	0.02	0.45
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	20	0.45	0.03	0.45
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	20	0.45	0.02	0.45
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	20	0.45	0.02	0.44
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	20	0.45	0.02	0.44
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	20	0.45	0.02	0.44
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	20	0.45	0.03	0.46
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	20	0.45	0.23	0.4
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	20	0.45	0.01	0.45
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	20	0.45	0.01	0.45
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	20	0.45	0.05	0.44
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	20	0.45	0.02	0.44
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	20	0.44	0.04	0.44
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	20	0.44	0.01	0.45
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	20	0.44	0.04	0.45
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	20	0.44	0.04	0.45
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	20	0.44	0.04	0.45
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	20	0.44	0.01	0.44
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	20	0.44	0.02	0.44
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	20	0.44	0.06	0.44
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	20	0.44	0.07	0.47
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	20	0.44	0.05	0.42
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	20	0.44	0.27	0.36
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	20	0.44	0.01	0.44
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	20	0.44	0.1	0.48
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	20	0.44	0.02	0.44
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	20	0.43	0.01	0.44
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	20	0.43	0.01	0.44
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	20	0.43	0.01	0.44
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	20	0.43	0.14	0.38
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	20	0.43	0.14	0.38
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	20	0.43	0.14	0.38
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	20	0.43	0.06	0.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	20	0.43	0.07	0.44
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	20	0.43	0.03	0.44
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	20	0.43	0.02	0.43
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	20	0.43	0.02	0.42
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	20	0.43	0.0	0.43
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	20	0.43	0.01	0.43
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	20	0.43	0.05	0.42
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	20	0.43	0.03	0.42
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	20	0.43	0.02	0.44
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	20	0.43	0.1	0.46
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	20	0.43	0.1	0.46
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	20	0.43	0.1	0.46
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	20	0.43	0.01	0.43
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	20	0.43	0.01	0.43
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	20	0.43	0.03	0.43
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	20	0.43	0.03	0.43
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	20	0.43	0.03	0.44
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	20	0.43	0.02	0.42
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	20	0.43	0.04	0.42
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	20	0.43	0.01	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	20	0.43	0.0	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	20	0.43	0.0	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	20	0.43	0.0	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	20	0.43	0.0	0.43
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	20	0.42	0.05	0.44
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	20	0.42	0.05	0.44
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	20	0.42	0.05	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	20	0.42	0.04	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	20	0.42	0.04	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	20	0.42	0.04	0.44
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	20	0.42	0.01	0.42
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	20	0.42	0.01	0.42
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	20	0.42	0.01	0.42
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	20	0.42	0.0	0.42
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	20	0.42	0.01	0.42
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	20	0.42	0.1	0.39
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	20	0.42	0.06	0.44
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	20	0.42	0.06	0.44
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	20	0.42	0.06	0.44
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	20	0.42	0.02	0.43
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	20	0.42	0.02	0.43
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	20	0.42	0.02	0.43

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	20	0.42	0.05	0.41
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	20	0.42	0.02	0.42
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	20	0.42	0.02	0.42
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	20	0.42	0.04	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	20	0.42	0.0	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	20	0.42	0.0	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	20	0.42	0.0	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	20	0.42	0.0	0.42
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	20	0.42	0.0	0.42
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	20	0.42	0.05	0.4
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	20	0.42	0.0	0.42
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	20	0.42	0.02	0.42
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	20	0.42	0.15	0.34
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	20	0.42	0.02	0.42
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	20	0.42	0.02	0.42
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	20	0.42	0.02	0.42
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	20	0.42	0.04	0.42
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	20	0.42	0.03	0.42
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	20	0.42	0.01	0.42
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	20	0.42	0.03	0.42
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	20	0.42	0.01	0.42
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	20	0.42	0.0	0.42
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	20	0.42	0.0	0.42
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	20	0.42	0.01	0.42
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	20	0.42	0.02	0.42
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	20	0.42	0.03	0.42
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	20	0.42	0.04	0.42
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	20	0.42	0.03	0.42
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	20	0.41	0.04	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	20	0.41	0.0	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	20	0.41	0.0	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	20	0.41	0.0	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	20	0.41	0.0	0.41
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	20	0.41	0.02	0.41
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	20	0.41	0.06	0.4
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	20	0.41	0.01	0.42
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	20	0.41	0.03	0.4
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	20	0.41	0.03	0.4
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	20	0.41	0.03	0.4
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	20	0.41	0.04	0.42
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	20	0.41	0.04	0.42
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	20	0.41	0.01	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	20	0.41	0.17	0.38
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	20	0.41	0.02	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	20	0.41	0.0	0.41
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	20	0.41	0.04	0.4
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	20	0.41	0.01	0.41
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	20	0.41	0.06	0.42
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	20	0.41	0.14	0.36
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	20	0.41	0.03	0.41
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	20	0.41	0.01	0.41
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	20	0.41	0.01	0.41
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	20	0.41	0.02	0.41
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	20	0.41	0.0	0.41
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	20	0.41	0.04	0.42
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	20	0.41	0.01	0.4
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	20	0.41	0.04	0.42
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	20	0.41	0.02	0.41
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	20	0.4	0.02	0.4
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	20	0.4	0.0	0.4
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	20	0.4	0.01	0.4
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	20	0.4	0.0	0.4
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	20	0.4	0.0	0.4
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	20	0.4	0.03	0.4
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	20	0.4	0.01	0.4
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	20	0.4	0.01	0.4
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	20	0.4	0.01	0.4
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	20	0.4	0.01	0.4
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	20	0.4	0.11	0.39
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	20	0.4	0.11	0.39
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	20	0.4	0.11	0.39
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	20	0.4	0.11	0.39
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	20	0.4	0.11	0.39
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	20	0.4	0.11	0.39
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	20	0.4	0.01	0.4
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	20	0.4	0.0	0.4
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	20	0.4	0.0	0.4
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	20	0.4	0.0	0.4
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	20	0.4	0.01	0.4
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	20	0.4	0.02	0.4
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	20	0.4	0.01	0.4
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	20	0.4	0.01	0.4
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	20	0.4	0.01	0.4
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	20	0.4	0.01	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	20	0.4	0.01	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	20	0.4	0.01	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	20	0.4	0.01	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	20	0.4	0.01	0.4
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	20	0.4	0.01	0.4
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	20	0.4	0.01	0.4
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	20	0.4	0.01	0.4
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	20	0.4	0.01	0.4
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	20	0.4	0.03	0.39
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	20	0.4	0.02	0.4
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	20	0.39	0.02	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	20	0.39	0.02	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	20	0.39	0.02	0.39
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	20	0.39	0.02	0.39
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	20	0.39	0.02	0.39
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	20	0.39	0.02	0.39
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	20	0.39	0.01	0.39
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	20	0.39	0.16	0.43
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	20	0.39	0.0	0.39
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	20	0.39	0.0	0.39
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	20	0.39	0.0	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	20	0.39	0.0	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	20	0.39	0.0	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	20	0.39	0.0	0.39
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	20	0.39	0.04	0.4
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	20	0.39	0.06	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	20	0.39	0.01	0.39
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	20	0.39	0.04	0.41
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	20	0.39	0.04	0.41
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	20	0.39	0.01	0.39
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	20	0.39	0.03	0.38
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	20	0.39	0.01	0.39
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	20	0.39	0.03	0.38
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	20	0.39	0.02	0.39
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	20	0.39	0.01	0.39
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	20	0.39	0.02	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	20	0.39	0.0	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	20	0.39	0.0	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	20	0.39	0.0	0.39
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	20	0.39	0.03	0.39
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	20	0.39	0.03	0.39
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	20	0.39	0.03	0.39

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	20	0.39	0.01	0.39
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	20	0.39	0.04	0.4
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	20	0.39	0.02	0.39
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	20	0.39	0.03	0.4
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	20	0.39	0.03	0.4
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	20	0.39	0.03	0.4
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	20	0.39	0.0	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	20	0.39	0.0	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	20	0.39	0.0	0.39
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	20	0.39	0.03	0.39
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	20	0.39	0.03	0.39
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	20	0.39	0.0	0.39
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	20	0.39	0.0	0.39
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	20	0.39	0.0	0.39
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	20	0.39	0.01	0.38
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	20	0.39	0.01	0.38
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	20	0.39	0.0	0.39
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	20	0.39	0.02	0.38
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	20	0.38	0.01	0.38
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	20	0.38	0.01	0.38
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	20	0.38	0.01	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	20	0.38	0.01	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	20	0.38	0.01	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	20	0.38	0.01	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	20	0.38	0.01	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	20	0.38	0.01	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	20	0.38	0.01	0.38
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	20	0.38	0.03	0.38
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	20	0.38	0.03	0.38
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	20	0.38	0.01	0.38
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	20	0.38	0.01	0.38
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	20	0.38	0.01	0.38
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	20	0.38	0.0	0.38
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	20	0.38	0.0	0.38
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	20	0.38	0.01	0.38
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	20	0.38	0.02	0.38
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	20	0.38	0.01	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	20	0.38	0.0	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	20	0.38	0.0	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	20	0.38	0.0	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	20	0.38	0.0	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	20	0.38	0.0	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	20	0.38	0.0	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	20	0.38	0.0	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	20	0.38	0.0	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	20	0.38	0.0	0.38
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	20	0.38	0.02	0.38
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	20	0.38	0.02	0.38
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	20	0.38	0.02	0.38
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	20	0.38	0.01	0.38
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	20	0.38	0.06	0.36
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	20	0.38	0.0	0.38
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	20	0.38	0.03	0.37
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	20	0.38	0.08	0.36
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	20	0.37	0.03	0.37
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	20	0.37	0.02	0.38
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	20	0.37	0.02	0.38
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	20	0.37	0.02	0.38
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	20	0.37	0.12	0.4
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	20	0.37	0.12	0.4
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	20	0.37	0.12	0.4
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	20	0.37	0.12	0.4
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	20	0.37	0.12	0.4
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	20	0.37	0.12	0.4
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	20	0.37	0.12	0.4
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	20	0.37	0.12	0.4
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	20	0.37	0.12	0.4
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	20	0.37	0.01	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	20	0.37	0.0	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	20	0.37	0.0	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	20	0.37	0.0	0.37
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	20	0.37	0.09	0.33
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	20	0.37	0.09	0.33
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	20	0.37	0.09	0.33
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	20	0.37	0.0	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	20	0.37	0.0	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	20	0.37	0.0	0.37
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	20	0.37	0.07	0.4
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	20	0.37	0.0	0.37
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	20	0.37	0.02	0.36
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	20	0.37	0.0	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	20	0.37	0.0	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	20	0.37	0.0	0.37
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	20	0.37	0.01	0.37

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	20	0.37	0.03	0.36
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	20	0.37	0.05	0.38
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	20	0.37	0.05	0.38
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	20	0.37	0.05	0.38
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	20	0.37	0.01	0.37
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	20	0.37	0.02	0.37
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	20	0.36	0.04	0.38
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	20	0.36	0.03	0.37
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	20	0.36	0.02	0.36
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	20	0.36	0.06	0.34
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	20	0.36	0.0	0.36
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	20	0.36	0.11	0.37
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	20	0.36	0.03	0.36
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	20	0.36	0.0	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	20	0.36	0.02	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	20	0.36	0.02	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	20	0.36	0.02	0.36
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	20	0.36	0.0	0.36
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	20	0.36	0.02	0.35
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	20	0.36	0.02	0.35
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	20	0.36	0.02	0.35
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	20	0.36	0.02	0.35
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	20	0.36	0.01	0.36
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	20	0.36	0.03	0.36
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	20	0.36	0.01	0.36
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	20	0.36	0.01	0.36
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	20	0.35	0.03	0.35
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	20	0.35	0.05	0.34
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	20	0.35	0.07	0.38
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	20	0.35	0.07	0.38
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	20	0.35	0.07	0.38
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	20	0.35	0.01	0.35
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	20	0.35	0.03	0.35
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	20	0.35	0.02	0.35
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	20	0.35	0.06	0.36
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	20	0.35	0.11	0.36
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	20	0.35	0.11	0.36
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	20	0.35	0.11	0.36
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	20	0.35	0.01	0.35
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	20	0.35	0.05	0.36
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	20	0.35	0.02	0.36
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	20	0.35	0.06	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	20	0.35	0.06	0.34
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	20	0.35	0.02	0.35
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	20	0.35	0.01	0.35
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	20	0.35	0.01	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	20	0.35	0.02	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	20	0.35	0.02	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	20	0.35	0.02	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	20	0.35	0.02	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	20	0.35	0.02	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	20	0.35	0.02	0.35
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	20	0.35	0.02	0.35
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	20	0.35	0.02	0.35
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	20	0.35	0.02	0.35
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	20	0.35	0.02	0.36
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	20	0.35	0.02	0.36
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	20	0.35	0.0	0.35
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	20	0.35	0.0	0.35
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	20	0.35	0.09	0.36
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	20	0.35	0.09	0.36
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	20	0.35	0.09	0.36
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	20	0.35	0.02	0.35
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	20	0.35	0.02	0.35
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	20	0.35	0.02	0.35
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	20	0.35	0.31	0.3
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	20	0.35	0.03	0.34
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	20	0.35	0.02	0.34
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	20	0.35	0.05	0.34
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	20	0.35	0.05	0.34
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	20	0.35	0.05	0.34
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	20	0.35	0.01	0.35
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	20	0.35	0.01	0.35
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	20	0.35	0.01	0.35
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	20	0.35	0.01	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	20	0.35	0.01	0.34
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	20	0.35	0.01	0.34
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	20	0.35	0.01	0.34
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	20	0.35	0.01	0.34
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	20	0.35	0.03	0.35
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	20	0.34	0.01	0.35
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	20	0.34	0.01	0.34
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	20	0.34	0.0	0.34
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	20	0.34	0.1	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	20	0.34	0.08	0.34
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	20	0.34	0.02	0.34
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	20	0.34	0.02	0.34
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	20	0.34	0.02	0.34
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	20	0.34	0.01	0.34
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	20	0.34	0.01	0.34
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	20	0.34	0.01	0.34
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	20	0.33	0.08	0.32
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	20	0.33	0.01	0.34
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	20	0.33	0.02	0.34
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	20	0.33	0.04	0.33
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	20	0.33	0.02	0.34
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	20	0.33	0.08	0.29
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	20	0.33	0.08	0.29
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	20	0.33	0.08	0.29
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	20	0.33	0.05	0.34
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	20	0.33	0.05	0.34
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	20	0.33	0.0	0.33
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	20	0.33	0.01	0.33
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	20	0.33	0.01	0.33
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	20	0.33	0.05	0.33
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	20	0.33	0.0	0.33
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	20	0.33	0.02	0.33
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	20	0.33	0.03	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	20	0.33	0.03	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	20	0.33	0.03	0.34
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	20	0.33	0.01	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	20	0.33	0.01	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	20	0.33	0.01	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	20	0.33	0.01	0.33
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	20	0.33	0.08	0.36
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	20	0.33	0.08	0.36
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	20	0.33	0.01	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	20	0.33	0.01	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	20	0.33	0.01	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	20	0.33	0.01	0.33
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	20	0.32	0.09	0.3
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	20	0.32	0.02	0.32
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	20	0.32	0.01	0.32
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	20	0.32	0.01	0.32
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	20	0.32	0.01	0.32
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	20	0.32	0.0	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	20	0.32	0.0	0.32
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	20	0.32	0.0	0.32
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	20	0.32	0.02	0.32
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	20	0.32	0.05	0.32
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	20	0.32	0.03	0.32
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	20	0.32	0.02	0.32
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	20	0.32	0.03	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	20	0.32	0.03	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	20	0.32	0.03	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	20	0.32	0.03	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	20	0.32	0.03	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	20	0.32	0.03	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	20	0.32	0.03	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	20	0.32	0.03	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	20	0.32	0.03	0.33
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	20	0.32	0.03	0.31
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	20	0.32	0.01	0.32
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	20	0.32	0.04	0.31
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	20	0.32	0.02	0.32
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	20	0.32	0.02	0.32
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	20	0.32	0.02	0.32
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	20	0.32	0.01	0.32
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	20	0.32	0.01	0.32
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	20	0.32	0.07	0.35
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	20	0.32	0.03	0.32
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	20	0.32	0.01	0.32
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	20	0.32	0.02	0.32
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	20	0.31	0.01	0.32
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	20	0.31	0.02	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	20	0.31	0.01	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	20	0.31	0.01	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	20	0.31	0.01	0.31
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	20	0.31	0.0	0.31
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	20	0.31	0.01	0.32
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	20	0.31	0.13	0.29
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	20	0.31	0.07	0.31
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	20	0.31	0.07	0.31
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	20	0.31	0.07	0.31
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	20	0.31	0.07	0.31
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	20	0.31	0.07	0.31
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	20	0.31	0.07	0.31
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	20	0.31	0.07	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	20	0.31	0.07	0.31
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	20	0.31	0.07	0.31
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	20	0.31	0.08	0.34
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	20	0.31	0.03	0.3
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	20	0.31	0.02	0.31
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	20	0.31	0.02	0.31
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	20	0.31	0.02	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	20	0.31	0.0	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	20	0.31	0.0	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	20	0.31	0.0	0.31
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	20	0.31	0.01	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	20	0.31	0.0	0.31
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	20	0.31	0.04	0.32
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	20	0.31	0.04	0.32
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	20	0.31	0.01	0.31
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	20	0.31	0.02	0.3
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	20	0.31	0.04	0.3
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	20	0.31	0.0	0.31
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	20	0.31	0.05	0.31
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	20	0.31	0.05	0.31
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	20	0.31	0.01	0.31
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	20	0.31	0.01	0.31
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	20	0.31	0.01	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	20	0.31	0.01	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	20	0.31	0.01	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	20	0.31	0.01	0.31
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	20	0.31	0.01	0.31
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	20	0.31	0.04	0.3
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	20	0.31	0.07	0.29
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	20	0.31	0.07	0.29
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	20	0.31	0.07	0.29
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	20	0.3	0.03	0.3
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	20	0.3	0.0	0.3
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	20	0.3	0.08	0.3
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	20	0.3	0.08	0.3
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	20	0.3	0.08	0.3
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	20	0.3	0.08	0.3
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	20	0.3	0.08	0.3
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	20	0.3	0.08	0.3
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	20	0.3	0.27	0.26
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	20	0.3	0.05	0.28
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	20	0.3	0.01	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	20	0.3	0.09	0.26
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	20	0.3	0.02	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	20	0.3	0.0	0.3
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	20	0.3	0.06	0.29
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	20	0.3	0.06	0.29
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	20	0.3	0.06	0.29
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	20	0.3	0.0	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	20	0.3	0.0	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	20	0.3	0.0	0.3
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	20	0.3	0.01	0.3
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	20	0.3	0.03	0.29
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	20	0.3	0.03	0.29
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	20	0.3	0.02	0.3
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	20	0.3	0.02	0.3
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	20	0.3	0.02	0.3
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	20	0.3	0.01	0.3
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	20	0.3	0.08	0.29
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	20	0.3	0.08	0.29
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	20	0.3	0.01	0.3
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	20	0.3	0.03	0.3
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	20	0.3	0.03	0.3
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	20	0.3	0.02	0.3
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	20	0.3	0.02	0.3
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	20	0.3	0.02	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	20	0.29	0.0	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	20	0.29	0.0	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	20	0.29	0.0	0.29
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	20	0.29	0.07	0.32
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	20	0.29	0.02	0.3
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	20	0.29	0.01	0.29
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	20	0.29	0.01	0.29
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	20	0.29	0.01	0.29
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	20	0.29	0.01	0.29
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	20	0.29	0.05	0.3
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	20	0.29	0.02	0.3
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	20	0.29	0.06	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	20	0.29	0.0	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	20	0.29	0.0	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	20	0.29	0.0	0.29
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	20	0.29	0.01	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	20	0.29	0.0	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	20	0.29	0.0	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	20	0.29	0.0	0.29
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	20	0.29	0.01	0.3
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	20	0.29	0.01	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	20	0.29	0.0	0.29
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	20	0.29	0.0	0.29
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	20	0.29	0.0	0.29
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	20	0.29	0.0	0.29
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	20	0.29	0.05	0.28
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	20	0.29	0.03	0.29
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	20	0.29	0.03	0.29
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	20	0.29	0.0	0.29
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	20	0.29	0.0	0.29
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	20	0.29	0.0	0.29
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	20	0.29	0.01	0.29
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	20	0.29	0.01	0.29
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	20	0.29	0.01	0.29
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	20	0.28	0.03	0.29
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	20	0.28	0.05	0.27
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	20	0.28	0.03	0.28
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	20	0.28	0.03	0.28
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	20	0.28	0.03	0.28
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	20	0.28	0.07	0.32
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	20	0.28	0.07	0.32
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	20	0.28	0.07	0.32
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	20	0.28	0.01	0.28
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	20	0.28	0.09	0.32
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	20	0.28	0.09	0.32
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	20	0.28	0.09	0.32
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	20	0.28	0.09	0.32
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	20	0.28	0.09	0.32
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	20	0.28	0.09	0.32
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	20	0.28	0.0	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	20	0.28	0.0	0.28
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	20	0.28	0.0	0.28
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	20	0.28	0.0	0.28
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	20	0.28	0.0	0.28
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	20	0.28	0.07	0.31
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	20	0.28	0.07	0.31
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	20	0.28	0.03	0.27
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	20	0.28	0.0	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	20	0.28	0.0	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	20	0.28	0.0	0.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	20	0.28	0.0	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	20	0.28	0.0	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	20	0.28	0.0	0.28
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	20	0.28	0.05	0.29
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	20	0.28	0.01	0.28
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	20	0.28	0.01	0.28
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	20	0.28	0.03	0.28
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	20	0.28	0.03	0.28
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	20	0.28	0.03	0.28
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	20	0.28	0.02	0.27
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	20	0.28	0.03	0.28
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	20	0.28	0.03	0.28
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	20	0.28	0.03	0.28
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	20	0.28	0.01	0.28
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	20	0.28	0.02	0.28
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	20	0.28	0.02	0.28
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	20	0.28	0.02	0.28
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	20	0.28	0.0	0.28
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	20	0.28	0.01	0.28
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	20	0.28	0.01	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	20	0.28	0.01	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	20	0.28	0.01	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	20	0.28	0.01	0.28
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	20	0.28	0.02	0.27
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	20	0.28	0.01	0.28
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	20	0.28	0.04	0.29
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	20	0.28	0.01	0.28
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	20	0.28	0.01	0.28
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	20	0.28	0.04	0.3
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	20	0.28	0.02	0.27
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	20	0.27	0.01	0.27
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	20	0.27	0.03	0.26
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	20	0.27	0.01	0.27
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	20	0.27	0.05	0.27
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	20	0.27	0.05	0.27
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	20	0.27	0.05	0.27
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	20	0.27	0.09	0.24
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	20	0.27	0.02	0.28
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	20	0.27	0.04	0.27
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	20	0.27	0.02	0.27
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	20	0.27	0.02	0.27
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	20	0.27	0.01	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	20	0.27	0.0	0.27
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	20	0.27	0.02	0.26
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	20	0.27	0.0	0.27
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	20	0.27	0.01	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	20	0.27	0.0	0.27
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	20	0.27	0.07	0.25
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	20	0.27	0.07	0.25
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	20	0.27	0.07	0.25
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	20	0.27	0.03	0.27
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	20	0.27	0.04	0.28
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	20	0.27	0.02	0.26
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	20	0.27	0.03	0.26
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	20	0.27	0.18	0.23
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	20	0.27	0.01	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	20	0.27	0.01	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	20	0.27	0.01	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	20	0.27	0.01	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	20	0.27	0.01	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	20	0.27	0.01	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	20	0.27	0.01	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	20	0.27	0.01	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	20	0.27	0.01	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	20	0.27	0.0	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	20	0.27	0.0	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	20	0.27	0.0	0.27
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	20	0.27	0.07	0.24
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	20	0.27	0.02	0.28
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	20	0.27	0.02	0.26
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	20	0.27	0.03	0.26
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	20	0.26	0.06	0.25
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	20	0.26	0.02	0.27
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	20	0.26	0.02	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	20	0.26	0.0	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	20	0.26	0.0	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	20	0.26	0.0	0.26
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	20	0.26	0.04	0.28
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	20	0.26	0.04	0.28
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	20	0.26	0.04	0.28
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	20	0.26	0.03	0.26
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	20	0.26	0.03	0.26
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	20	0.26	0.01	0.26
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	20	0.26	0.02	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	20	0.26	0.02	0.26
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	20	0.26	0.02	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	20	0.26	0.0	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	20	0.26	0.0	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	20	0.26	0.0	0.26
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	20	0.26	0.04	0.25
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	20	0.26	0.27	0.2
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	20	0.26	0.03	0.25
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	20	0.26	0.03	0.24
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	20	0.26	0.0	0.26
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	20	0.26	0.03	0.26
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	20	0.26	0.01	0.26
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	20	0.26	0.03	0.26
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	20	0.26	0.01	0.26
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	20	0.26	0.04	0.26
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	20	0.26	0.04	0.26
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	20	0.26	0.02	0.26
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	20	0.26	0.02	0.26
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	20	0.26	0.02	0.26
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	20	0.26	0.01	0.25
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	20	0.26	0.04	0.26
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	20	0.26	0.18	0.19
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	20	0.26	0.01	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	20	0.26	0.01	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	20	0.26	0.01	0.26
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	20	0.26	0.06	0.26
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	20	0.26	0.06	0.26
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	20	0.26	0.06	0.26
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	20	0.26	0.04	0.26
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	20	0.26	0.03	0.26
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	20	0.26	0.07	0.27
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	20	0.26	0.07	0.26
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	20	0.26	0.07	0.26
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	20	0.26	0.07	0.26
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	20	0.26	0.09	0.26
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	20	0.26	0.05	0.26
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	20	0.25	0.05	0.26
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	20	0.25	0.05	0.26
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	20	0.25	0.05	0.26
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	20	0.25	0.05	0.26
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	20	0.25	0.05	0.26
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	20	0.25	0.05	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	20	0.25	0.05	0.26
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	20	0.25	0.05	0.26
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	20	0.25	0.05	0.26
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	20	0.25	0.05	0.24
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	20	0.25	0.02	0.25
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	20	0.25	0.01	0.25
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	20	0.25	0.07	0.27
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	20	0.25	0.01	0.26
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	20	0.25	0.01	0.26
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	20	0.25	0.01	0.25
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	20	0.25	0.0	0.25
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	20	0.25	0.01	0.25
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	20	0.25	0.01	0.26
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	20	0.25	0.06	0.24
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	20	0.25	0.06	0.24
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	20	0.25	0.05	0.24
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	20	0.25	0.0	0.25
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	20	0.25	0.0	0.25
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	20	0.25	0.12	0.19
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	20	0.25	0.01	0.25
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	20	0.25	0.02	0.24
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	20	0.25	0.02	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	20	0.25	0.02	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	20	0.25	0.02	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	20	0.25	0.02	0.25
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	20	0.25	0.02	0.25
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	20	0.25	0.02	0.25
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	20	0.25	0.02	0.25
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	20	0.25	0.03	0.25
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	20	0.25	0.03	0.24
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	20	0.25	0.04	0.26
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	20	0.24	0.04	0.24
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	20	0.24	0.02	0.24
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	20	0.24	0.05	0.23
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	20	0.24	0.04	0.25
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	20	0.24	0.04	0.25
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	20	0.24	0.04	0.25
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	20	0.24	0.0	0.24
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	20	0.24	0.02	0.24
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	20	0.24	0.02	0.24
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	20	0.24	0.02	0.24
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	20	0.24	0.06	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	20	0.24	0.04	0.26
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	20	0.24	0.02	0.24
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	20	0.24	0.05	0.26
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	20	0.24	0.02	0.24
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	20	0.24	0.0	0.24
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	20	0.24	0.02	0.24
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	20	0.24	0.01	0.24
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	20	0.24	0.01	0.24
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	20	0.24	0.01	0.24
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	20	0.24	0.01	0.24
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	20	0.24	0.01	0.24
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	20	0.24	0.01	0.24
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	20	0.23	0.05	0.22
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	20	0.23	0.07	0.23
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	20	0.23	0.01	0.23
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	20	0.23	0.03	0.25
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	20	0.23	0.0	0.23
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	20	0.23	0.04	0.22
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	20	0.23	0.04	0.22
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	20	0.23	0.04	0.22
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	20	0.23	0.0	0.23
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	20	0.23	0.01	0.23
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	20	0.23	0.03	0.22
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	20	0.23	0.01	0.24
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	20	0.23	0.01	0.24
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	20	0.23	0.05	0.23
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	20	0.23	0.0	0.23
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	20	0.23	0.01	0.23
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	20	0.23	0.01	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	20	0.23	0.01	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	20	0.23	0.01	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	20	0.23	0.01	0.23
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	20	0.23	0.0	0.23
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	20	0.23	0.01	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	20	0.23	0.01	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	20	0.23	0.01	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	20	0.23	0.01	0.22
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	20	0.23	0.03	0.22
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	20	0.23	0.03	0.22
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	20	0.23	0.02	0.22
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	20	0.23	0.01	0.23
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	20	0.23	0.01	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	20	0.23	0.01	0.23
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	20	0.22	0.01	0.23
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	20	0.22	0.02	0.22
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	20	0.22	0.02	0.22
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	20	0.22	0.01	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	20	0.22	0.02	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	20	0.22	0.02	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	20	0.22	0.02	0.22
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	20	0.22	0.02	0.22
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	20	0.22	0.05	0.21
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	20	0.22	0.03	0.22
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	20	0.22	0.02	0.23
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	20	0.22	0.01	0.22
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	20	0.22	0.01	0.22
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	20	0.22	0.01	0.22
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	20	0.22	0.04	0.22
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	20	0.22	0.04	0.22
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	20	0.22	0.04	0.22
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	20	0.22	0.03	0.22
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	20	0.22	0.03	0.22
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	20	0.22	0.03	0.22
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	20	0.22	0.03	0.22
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	20	0.22	0.0	0.22
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	20	0.22	0.02	0.22
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	20	0.22	0.02	0.22
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	20	0.22	0.02	0.22
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	20	0.22	0.01	0.22
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	20	0.22	0.01	0.22
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	20	0.22	0.01	0.22
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	20	0.22	0.01	0.22
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	20	0.22	0.02	0.22
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	20	0.22	0.04	0.2
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	20	0.21	0.03	0.2
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	20	0.21	0.12	0.2
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	20	0.21	0.03	0.21
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	20	0.21	0.03	0.21
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	20	0.21	0.03	0.21
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	20	0.21	0.03	0.21
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	20	0.21	0.03	0.21
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	20	0.21	0.03	0.21
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	20	0.21	0.03	0.21
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	20	0.21	0.03	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	20	0.21	0.03	0.21
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	20	0.21	0.01	0.21
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	20	0.21	0.01	0.21
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	20	0.21	0.01	0.21
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	20	0.21	0.02	0.22
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	20	0.21	0.0	0.21
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	20	0.21	0.1	0.19
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	20	0.21	0.1	0.19
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	20	0.21	0.1	0.19
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	20	0.21	0.01	0.21
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	20	0.21	0.07	0.22
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	20	0.21	0.07	0.22
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	20	0.21	0.07	0.22
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	20	0.21	0.07	0.22
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	20	0.21	0.07	0.22
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	20	0.21	0.07	0.22
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	20	0.21	0.01	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	20	0.21	0.0	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	20	0.21	0.0	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	20	0.21	0.0	0.21
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	20	0.21	0.03	0.22
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	20	0.21	0.01	0.21
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	20	0.21	0.01	0.21
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	20	0.21	0.02	0.21
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	20	0.21	0.02	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	20	0.21	0.02	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	20	0.21	0.02	0.2
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	20	0.21	0.03	0.22
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	20	0.21	0.02	0.2
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	20	0.21	0.01	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	20	0.21	0.01	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	20	0.21	0.01	0.21
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	20	0.21	0.01	0.21
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	20	0.21	0.01	0.2
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	20	0.2	0.02	0.2
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	20	0.2	0.04	0.2
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	20	0.2	0.04	0.2
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	20	0.2	0.04	0.2
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	20	0.2	0.03	0.2
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	20	0.2	0.03	0.2
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	20	0.2	0.03	0.2
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	20	0.2	0.0	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	20	0.2	0.01	0.21
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	20	0.2	0.0	0.2
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	20	0.2	0.03	0.2
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	20	0.2	0.03	0.2
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	20	0.2	0.03	0.2
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	20	0.2	0.02	0.2
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	20	0.2	0.04	0.2
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	20	0.2	0.02	0.2
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	20	0.2	0.02	0.2
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	20	0.2	0.02	0.2
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	20	0.2	0.01	0.2
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	20	0.2	0.03	0.21
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	20	0.2	0.01	0.2
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	20	0.2	0.01	0.2
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	20	0.2	0.01	0.2
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	20	0.2	0.03	0.2
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	20	0.2	0.05	0.2
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	20	0.2	0.05	0.2
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	20	0.2	0.05	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	20	0.19	0.01	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	20	0.19	0.01	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	20	0.19	0.01	0.2
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	20	0.19	0.03	0.18
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	20	0.19	0.01	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	20	0.19	0.02	0.19
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	20	0.19	0.02	0.19
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	20	0.19	0.02	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	20	0.19	0.01	0.19
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	20	0.19	0.03	0.2
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	20	0.19	0.03	0.2
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	20	0.19	0.0	0.19
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	20	0.19	0.07	0.18
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	20	0.19	0.05	0.18
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	20	0.19	0.0	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	20	0.19	0.0	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	20	0.19	0.0	0.19
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	20	0.19	0.02	0.19
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	20	0.19	0.01	0.19
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	20	0.19	0.02	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	20	0.19	0.0	0.19
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	20	0.19	0.0	0.19
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	20	0.19	0.01	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	20	0.19	0.0	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	20	0.19	0.0	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	20	0.19	0.0	0.19
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	20	0.19	0.03	0.18
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	20	0.19	0.03	0.18
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	20	0.19	0.03	0.18
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	20	0.19	0.02	0.19
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	20	0.19	0.01	0.18
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	20	0.18	0.01	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	20	0.18	0.01	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	20	0.18	0.01	0.19
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	20	0.18	0.01	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	20	0.18	0.01	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	20	0.18	0.01	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	20	0.18	0.01	0.18
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	20	0.18	0.01	0.18
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	20	0.18	0.01	0.18
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	20	0.18	0.01	0.18
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	20	0.18	0.01	0.18
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	20	0.18	0.0	0.18
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	20	0.18	0.0	0.18
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	20	0.18	0.0	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	20	0.18	0.0	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	20	0.18	0.0	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	20	0.18	0.0	0.18
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	20	0.18	0.0	0.18
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	20	0.18	0.01	0.18
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	20	0.18	0.01	0.18
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	20	0.18	0.03	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	20	0.18	0.0	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	20	0.18	0.0	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	20	0.18	0.0	0.18
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	20	0.18	0.01	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	20	0.18	0.0	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	20	0.18	0.0	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	20	0.18	0.0	0.18
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	20	0.18	0.14	0.15
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	20	0.18	0.0	0.18
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	20	0.18	0.01	0.18
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	20	0.18	0.01	0.18
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	20	0.18	0.01	0.18
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	20	0.18	0.03	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	20	0.18	0.0	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	20	0.18	0.0	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	20	0.18	0.0	0.18
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	20	0.18	0.01	0.18
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	20	0.18	0.01	0.18
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	20	0.18	0.01	0.18
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	20	0.18	0.03	0.17
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	20	0.18	0.02	0.17
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	20	0.18	0.0	0.18
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	20	0.18	0.0	0.18
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	20	0.18	0.0	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	20	0.18	0.0	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	20	0.18	0.0	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	20	0.18	0.0	0.18
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	20	0.17	0.03	0.18
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	20	0.17	0.02	0.17
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	20	0.17	0.02	0.18
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	20	0.17	0.02	0.18
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	20	0.17	0.02	0.18
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	20	0.17	0.01	0.18
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	20	0.17	0.01	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	20	0.17	0.0	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	20	0.17	0.0	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	20	0.17	0.0	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	20	0.17	0.0	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	20	0.17	0.0	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	20	0.17	0.0	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	20	0.17	0.0	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	20	0.17	0.0	0.17
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	20	0.17	0.0	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	20	0.17	0.0	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	20	0.17	0.0	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	20	0.17	0.0	0.17
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	20	0.17	0.03	0.17
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	20	0.17	0.03	0.16
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	20	0.17	0.03	0.16
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	20	0.17	0.0	0.17
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	20	0.17	0.0	0.17
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	20	0.17	0.0	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	20	0.17	0.01	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	20	0.17	0.01	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	20	0.17	0.01	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	20	0.17	0.01	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	20	0.17	0.01	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	20	0.17	0.01	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	20	0.17	0.01	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	20	0.17	0.01	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	20	0.17	0.01	0.17
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	20	0.17	0.02	0.17
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	20	0.17	0.02	0.17
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	20	0.17	0.0	0.17
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	20	0.17	0.01	0.17
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	20	0.17	0.02	0.17
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	20	0.17	0.02	0.17
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	20	0.17	0.02	0.17
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	20	0.17	0.01	0.16
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	20	0.16	0.01	0.16
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	20	0.16	0.01	0.17
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	20	0.16	0.01	0.16
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	20	0.16	0.03	0.16
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	20	0.16	0.01	0.16
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	20	0.16	0.0	0.16
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	20	0.16	0.01	0.17
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	20	0.16	0.02	0.16
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	20	0.16	0.02	0.16
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	20	0.16	0.02	0.16
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	20	0.16	0.03	0.16
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	20	0.16	0.01	0.16
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	20	0.16	0.01	0.16
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	20	0.16	0.01	0.16
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	20	0.16	0.01	0.16
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	20	0.16	0.01	0.16
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	20	0.16	0.02	0.16
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	20	0.16	0.01	0.16
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	20	0.16	0.02	0.16
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	20	0.16	0.02	0.16
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	20	0.16	0.02	0.16
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	20	0.16	0.01	0.16
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	20	0.16	0.01	0.16
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	20	0.16	0.01	0.16
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	20	0.16	0.01	0.16
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	20	0.16	0.01	0.16
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	20	0.16	0.01	0.16
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	20	0.16	0.0	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	20	0.16	0.01	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	20	0.16	0.0	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	20	0.16	0.0	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	20	0.16	0.0	0.16
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	20	0.16	0.02	0.15
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	20	0.16	0.02	0.15
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	20	0.16	0.01	0.15
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	20	0.15	0.01	0.15
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	20	0.15	0.01	0.15
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	20	0.15	0.0	0.15
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	20	0.15	0.0	0.15
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	20	0.15	0.02	0.15
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	20	0.15	0.02	0.15
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	20	0.15	0.02	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	20	0.15	0.0	0.15
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	20	0.15	0.01	0.15
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	20	0.15	0.01	0.15
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	20	0.15	0.01	0.15
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	20	0.15	0.01	0.15
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	20	0.15	0.0	0.15
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	20	0.15	0.02	0.14
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	20	0.15	0.02	0.15
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	20	0.15	0.01	0.15
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	20	0.15	0.01	0.14
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	20	0.15	0.01	0.15
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	20	0.15	0.02	0.14
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	20	0.14	0.02	0.15
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	20	0.14	0.02	0.15
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	20	0.14	0.01	0.14
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	20	0.14	0.01	0.14
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	20	0.14	0.02	0.14
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	20	0.14	0.02	0.14
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	20	0.14	0.01	0.14
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	20	0.14	0.02	0.14
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	20	0.14	0.01	0.14
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	20	0.14	0.02	0.14
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	20	0.14	0.02	0.14
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	20	0.14	0.02	0.14
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	20	0.14	0.02	0.13
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	20	0.14	0.02	0.13
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	20	0.14	0.02	0.13
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	20	0.14	0.0	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	20	0.14	0.03	0.13
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	20	0.14	0.03	0.13
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	20	0.14	0.03	0.13
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	20	0.14	0.01	0.14
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	20	0.13	0.02	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	20	0.13	0.0	0.13
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	20	0.13	0.01	0.13
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	20	0.13	0.03	0.12
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	20	0.13	0.01	0.12
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	20	0.13	0.01	0.12
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	20	0.13	0.01	0.12
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	20	0.13	0.01	0.12
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	20	0.13	0.01	0.13
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	20	0.13	0.01	0.12
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	20	0.13	0.01	0.12
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	20	0.13	0.01	0.12
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	20	0.13	0.01	0.12
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	20	0.13	0.01	0.12
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	20	0.12	0.01	0.12
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	20	0.12	0.01	0.12
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	20	0.12	0.01	0.12
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	20	0.12	0.01	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	20	0.12	0.0	0.12
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	20	0.12	0.01	0.12
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	20	0.11	0.0	0.11
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	19	2.15	0.27	2.27
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	19	1.56	0.07	1.58
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	19	1.36	0.07	1.38
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	19	1.09	0.03	1.08
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	19	1.08	0.01	1.08
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	19	1.05	0.27	1.17
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	19	1.04	0.06	1.04
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	19	1.04	0.06	1.04
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	19	1.04	0.06	1.04
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	19	1.01	0.04	1.01
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	19	1.01	0.04	1.01
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	19	1.01	0.04	1.01
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	19	1.01	0.04	1.01
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	19	1.01	0.04	1.01
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	19	1.01	0.04	1.01
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	19	1.01	0.03	1.02
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	19	1.01	0.03	1.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	19	1.01	0.03	1.02
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	19	1.01	0.03	1.02
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	19	1.01	0.03	1.02
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	19	1.01	0.03	1.02
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	19	1.01	0.42	1.2
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	19	0.93	0.08	0.94
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	19	0.92	0.04	0.92
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	19	0.91	0.02	0.92
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	19	0.9	0.02	0.9
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	19	0.87	0.1	0.89
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	19	0.85	0.08	0.83
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	19	0.81	0.18	0.87
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	19	0.81	0.18	0.87
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	19	0.81	0.18	0.87
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	19	0.8	0.15	0.85
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	19	0.78	0.13	0.78
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	19	0.78	0.01	0.78
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	19	0.76	0.05	0.78
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	19	0.74	0.12	0.75
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	19	0.74	0.12	0.75
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	19	0.74	0.01	0.74
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	19	0.73	0.04	0.73
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	19	0.69	0.14	0.73
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	19	0.67	0.03	0.67
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	19	0.66	0.02	0.66
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	19	0.66	0.04	0.65
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	19	0.66	0.04	0.65
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	19	0.64	0.15	0.69
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	19	0.64	0.01	0.64
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	19	0.61	0.04	0.61
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	19	0.61	0.04	0.61
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	19	0.61	0.04	0.61
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	19	0.61	0.04	0.61
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	19	0.61	0.04	0.61
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	19	0.61	0.04	0.61
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	19	0.61	0.18	0.67
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	19	0.61	0.18	0.67
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	19	0.61	0.18	0.67
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	19	0.61	0.08	0.6
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	19	0.61	0.04	0.61
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	19	0.6	0.12	0.63
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	19	0.6	0.02	0.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	19	0.59	0.05	0.59
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	19	0.59	0.1	0.61
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	19	0.58	0.08	0.6
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	19	0.57	0.1	0.59
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	19	0.54	0.15	0.59
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	19	0.53	0.04	0.53
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	19	0.51	0.02	0.52
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	19	0.49	0.01	0.5
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	19	0.49	0.01	0.49
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	19	0.49	0.01	0.49
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	19	0.49	0.01	0.49
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	19	0.47	0.07	0.48
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	19	0.47	0.07	0.48
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	19	0.47	0.07	0.48
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	19	0.47	0.07	0.48
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	19	0.47	0.07	0.48
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	19	0.47	0.07	0.48
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	19	0.47	0.07	0.48
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	19	0.47	0.07	0.48
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	19	0.47	0.07	0.48
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	19	0.45	0.05	0.45
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	19	0.45	0.03	0.45
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	19	0.45	0.03	0.45
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	19	0.45	0.03	0.45
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	19	0.45	0.08	0.43
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	19	0.44	0.0	0.44
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	19	0.44	0.03	0.45
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	19	0.42	0.13	0.45
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	19	0.42	0.05	0.42
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	19	0.42	0.05	0.42
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	19	0.42	0.05	0.42
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	19	0.4	0.09	0.4
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	19	0.36	0.01	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	19	0.36	0.01	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	19	0.36	0.01	0.36
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	19	0.36	0.08	0.36
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	19	0.36	0.08	0.36
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	19	0.36	0.02	0.36
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	19	0.36	0.02	0.36
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	19	0.36	0.02	0.36
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	19	0.35	0.04	0.35
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	19	0.33	0.07	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	19	0.33	0.07	0.34
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	19	0.33	0.07	0.34
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	19	0.32	0.05	0.34
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	19	0.32	0.07	0.32
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	19	0.31	0.05	0.32
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	19	0.31	0.02	0.31
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	19	0.29	0.05	0.29
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	19	0.28	0.2	0.27
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	19	0.28	0.16	0.22
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	19	0.26	0.24	0.16
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	19	0.24	0.0	0.24
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	19	0.24	0.06	0.26
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	19	0.24	0.06	0.26
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	19	0.24	0.06	0.26
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	19	0.23	0.09	0.18
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	19	0.23	0.1	0.18
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	19	0.22	0.08	0.19
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	19	0.22	0.05	0.21
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	19	0.22	0.04	0.22
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	19	0.21	0.01	0.21
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	19	0.21	0.02	0.2
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	19	0.2	0.05	0.22
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	19	0.2	0.05	0.22
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	19	0.2	0.05	0.22
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	19	0.19	0.03	0.21
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	19	0.19	0.03	0.21
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	19	0.19	0.03	0.21
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	19	0.19	0.03	0.21
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	19	0.19	0.03	0.21
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	19	0.19	0.03	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	19	0.19	0.03	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	19	0.19	0.03	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	19	0.19	0.03	0.21
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	19	0.19	0.03	0.2
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	19	0.19	0.03	0.2
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	19	0.19	0.03	0.2
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	19	0.19	0.02	0.2
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	19	0.19	0.05	0.21
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	19	0.19	0.05	0.21
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	19	0.19	0.05	0.21
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	19	0.19	0.05	0.21
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	19	0.19	0.05	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	19	0.19	0.05	0.21
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	19	0.19	0.04	0.2
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	19	0.19	0.03	0.19
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	19	0.18	0.03	0.19
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	19	0.18	0.04	0.18
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	19	0.16	0.02	0.16
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	19	0.16	0.03	0.15
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	19	0.16	0.03	0.15
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	19	0.15	0.04	0.14
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	19	0.15	0.04	0.14
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	19	0.15	0.04	0.14
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	19	0.15	0.02	0.15
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	19	0.15	0.02	0.15
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	19	0.15	0.02	0.15
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	19	0.15	0.02	0.15
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	19	0.15	0.03	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	19	0.15	0.03	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	19	0.15	0.03	0.13
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	19	0.15	0.04	0.14
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	19	0.14	0.02	0.14
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	19	0.13	0.03	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	19	0.13	0.03	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	19	0.13	0.03	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	19	0.13	0.03	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	19	0.13	0.03	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	19	0.13	0.03	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	19	0.13	0.03	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	19	0.13	0.03	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	19	0.13	0.03	0.12
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	19	0.13	0.03	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	19	0.12	0.01	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	19	0.12	0.01	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	19	0.12	0.01	0.12
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	19	0.12	0.01	0.12
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	19	0.12	0.01	0.12
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	19	0.12	0.01	0.12
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	19	0.12	0.01	0.11
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	19	0.12	0.01	0.11
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	19	0.12	0.01	0.11
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	18	1.3	0.43	1.3
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	18	1.3	0.43	1.3
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	18	1.3	0.43	1.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	18	0.63	0.27	0.51
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	18	0.6	0.37	0.46
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	18	0.55	0.1	0.53
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	18	0.55	0.1	0.53
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	18	0.52	0.01	0.53
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	18	0.5	0.14	0.51
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	18	0.42	0.01	0.42
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	18	0.41	0.03	0.41
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	18	0.37	0.01	0.38
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	18	0.34	0.09	0.32
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	18	0.32	0.24	0.28
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	18	0.32	0.09	0.35
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	18	0.3	0.01	0.3
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	18	0.29	0.16	0.22
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	18	0.27	0.09	0.32
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	18	0.26	0.11	0.24
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	18	0.23	0.04	0.24
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	18	0.23	0.06	0.22
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	18	0.23	0.05	0.24
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	18	0.22	0.05	0.23
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	18	0.22	0.05	0.23
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	18	0.22	0.05	0.23
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	18	0.22	0.01	0.22
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	18	0.21	0.07	0.21
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	18	0.21	0.04	0.21
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	18	0.21	0.04	0.21
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	18	0.21	0.04	0.21
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	18	0.21	0.04	0.21
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	18	0.21	0.04	0.21
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	18	0.21	0.04	0.21
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	18	0.21	0.02	0.2
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	18	0.2	0.01	0.2
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	18	0.2	0.04	0.22
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	18	0.19	0.02	0.18
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	18	0.19	0.02	0.18
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	18	0.18	0.06	0.16
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	18	0.17	0.03	0.17
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	18	0.17	0.03	0.17
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	18	0.17	0.03	0.17
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	18	0.17	0.03	0.17
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	18	0.17	0.03	0.17
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	18	0.17	0.03	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	18	0.17	0.04	0.16
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	18	0.17	0.04	0.16
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	18	0.17	0.04	0.16
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	18	0.16	0.03	0.16
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	18	0.15	0.02	0.16
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	18	0.15	0.02	0.14
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	18	0.14	0.02	0.15
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	18	0.14	0.03	0.13
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	18	0.14	0.03	0.13
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	18	0.14	0.03	0.13
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	18	0.14	0.02	0.14
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	18	0.14	0.02	0.14
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	18	0.13	0.02	0.13
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	18	0.13	0.02	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	18	0.13	0.01	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	18	0.13	0.01	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	18	0.13	0.01	0.13
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	18	0.13	0.01	0.13
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	18	0.13	0.01	0.12
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	18	0.12	0.01	0.12
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	18	0.11	0.01	0.11
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	18	0.11	0.01	0.11
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	18	0.11	0.0	0.11
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	18	0.11	0.0	0.11
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	17	1.16	0.01	1.16
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	17	0.94	0.02	0.94
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	17	0.78	0.02	0.78
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	17	0.78	0.02	0.78
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	17	0.78	0.02	0.78
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	17	0.71	0.36	0.8
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	17	0.63	0.28	0.43
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	17	0.58	0.19	0.65
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	17	0.57	0.03	0.57
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	17	0.57	0.02	0.58
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	17	0.57	0.02	0.58
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	17	0.55	0.47	0.4
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	17	0.53	0.5	0.27
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	17	0.51	0.14	0.5
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	17	0.51	0.03	0.52
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	17	0.47	0.04	0.47
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	17	0.47	0.01	0.47
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	17	0.41	0.03	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	17	0.4	0.01	0.4
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	17	0.37	0.02	0.37
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	17	0.37	0.1	0.39
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	17	0.35	0.01	0.35
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	17	0.33	0.03	0.32
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	17	0.32	0.08	0.34
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	17	0.32	0.08	0.34
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	17	0.32	0.08	0.34
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	17	0.32	0.08	0.34
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	17	0.32	0.08	0.34
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	17	0.32	0.08	0.34
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	17	0.29	0.03	0.3
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	17	0.29	0.09	0.34
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	17	0.28	0.04	0.29
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	17	0.27	0.15	0.27
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	17	0.27	0.02	0.27
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	17	0.26	0.03	0.25
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	17	0.26	0.03	0.25
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	17	0.26	0.03	0.25
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	17	0.25	0.13	0.16
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	17	0.23	0.01	0.23
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	17	0.23	0.27	0.13
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	17	0.22	0.14	0.17
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	17	0.21	0.03	0.22
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	17	0.2	0.01	0.2
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	17	0.2	0.05	0.21
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	17	0.17	0.04	0.17
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	17	0.17	0.04	0.17
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	17	0.17	0.04	0.17
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	17	0.16	0.03	0.17
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	17	0.15	0.06	0.13
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	17	0.14	0.01	0.14
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	17	0.14	0.01	0.14
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	17	0.14	0.01	0.14
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	17	0.14	0.02	0.13
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	17	0.14	0.02	0.13
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	17	0.14	0.02	0.13
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	17	0.14	0.02	0.13
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	17	0.14	0.02	0.14
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	17	0.14	0.02	0.14
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	17	0.14	0.02	0.14
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	17	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	17	0.13	0.02	0.13
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	17	0.13	0.02	0.13
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	17	0.13	0.01	0.13
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	17	0.12	0.01	0.12
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	17	0.12	0.02	0.12
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	17	0.11	0.01	0.11
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	17	0.11	0.01	0.11
(1,843)	1:389:A:GLU:HG2	1:389:A:GLU:HA	16	0.99	0.34	1.08
(1,3452)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	16	0.58	0.02	0.58
(1,251)	1:361:A:LYS:HD3	1:361:A:LYS:H	16	0.55	0.06	0.57
(1,4339)	1:372:A:LYS:H	1:372:A:LYS:HG2	16	0.34	0.16	0.35
(1,2211)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	16	0.3	0.06	0.31
(1,1172)	1:387:A:LYS:HD2	1:387:A:LYS:HE3	16	0.28	0.23	0.14
(1,1864)	1:361:A:LYS:HE2	1:361:A:LYS:HG3	16	0.28	0.02	0.28
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD1	16	0.27	0.05	0.27
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD2	16	0.27	0.05	0.27
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD1	16	0.27	0.05	0.27
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD2	16	0.27	0.05	0.27
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD1	16	0.27	0.05	0.27
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD2	16	0.27	0.05	0.27
(1,1379)	1:361:A:LYS:HD2	1:361:A:LYS:H	16	0.24	0.17	0.15
(1,3586)	1:466:A:PHE:HE1	1:348:A:ASP:HB2	16	0.22	0.08	0.22
(1,3586)	1:466:A:PHE:HE2	1:348:A:ASP:HB2	16	0.22	0.08	0.22
(1,4621)	1:400:A:GLY:H	1:399:A:ASP:H	16	0.22	0.08	0.24
(1,4427)	1:466:A:PHE:H	1:349:A:LEU:H	16	0.2	0.07	0.22
(1,561)	1:372:A:LYS:HG2	1:372:A:LYS:HA	16	0.19	0.1	0.16
(1,3577)	1:403:A:TYR:HD1	1:395:A:GLY:HA2	16	0.16	0.03	0.17
(1,3577)	1:403:A:TYR:HD2	1:395:A:GLY:HA2	16	0.16	0.03	0.17
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	16	0.16	0.04	0.15
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	16	0.16	0.04	0.15
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	16	0.16	0.04	0.15
(1,2613)	1:361:A:LYS:HD2	1:361:A:LYS:HE3	16	0.16	0.03	0.16
(1,4348)	1:350:A:GLU:H	1:349:A:LEU:HG	16	0.15	0.05	0.14
(1,3706)	1:355:A:TRP:HH2	1:348:A:ASP:HB2	16	0.15	0.02	0.15
(1,310)	1:428:A:GLU:HB2	1:428:A:GLU:HA	16	0.15	0.02	0.14
(1,7)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	16	0.12	0.01	0.12
(1,3681)	1:429:A:TYR:HD1	1:429:A:TYR:HB2	16	0.12	0.01	0.11
(1,3681)	1:429:A:TYR:HD2	1:429:A:TYR:HB2	16	0.12	0.01	0.11
(1,1897)	1:387:A:LYS:HB3	1:454:A:PHE:HZ	15	1.89	0.02	1.89
(1,4179)	1:382:A:PHE:H	1:463:A:VAL:HB	15	1.45	0.04	1.46
(1,2806)	1:463:A:VAL:HB	1:464:A:LEU:H	15	1.42	0.05	1.42
(1,2228)	1:387:A:LYS:HB2	1:387:A:LYS:H	15	1.08	0.02	1.09

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,719)	1:352:A:GLN:HG2	1:352:A:GLN:H	15	1.0	0.2	1.01
(1,3415)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	15	0.98	0.01	0.99
(1,3649)	1:415:A:TRP:HZ3	1:414:A:ASP:HB3	15	0.86	0.09	0.89
(1,2804)	1:408:A:ASN:HB2	1:409:A:TYR:H	15	0.85	0.02	0.86
(1,4326)	1:397:A:ASN:HD21	1:397:A:ASN:HA	15	0.83	0.05	0.84
(1,1814)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	15	0.73	0.31	0.74
(1,3390)	1:408:A:ASN:HB2	1:408:A:ASN:H	15	0.66	0.01	0.65
(1,855)	1:397:A:ASN:HA	1:397:A:ASN:HD21	15	0.63	0.05	0.64
(1,2419)	1:387:A:LYS:HG3	1:387:A:LYS:H	15	0.6	0.12	0.54
(1,245)	1:352:A:GLN:HA	1:352:A:GLN:HG2	15	0.6	0.15	0.59
(1,942)	1:405:A:SER:HB3	1:405:A:SER:H	15	0.55	0.02	0.56
(1,726)	1:366:A:THR:HA	1:367:A:ASP:HB2	15	0.54	0.01	0.54
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD1	15	0.49	0.25	0.41
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD2	15	0.49	0.25	0.41
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD1	15	0.49	0.25	0.41
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD2	15	0.49	0.25	0.41
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD1	15	0.49	0.25	0.41
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD2	15	0.49	0.25	0.41
(1,3929)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	15	0.48	0.01	0.49
(1,318)	1:407:A:VAL:HA	1:408:A:ASN:HB3	15	0.45	0.03	0.44
(1,3441)	1:367:A:ASP:HA	1:367:A:ASP:HB2	15	0.44	0.01	0.44
(1,3856)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	15	0.39	0.15	0.42
(1,3856)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	15	0.39	0.15	0.42
(1,4)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	15	0.37	0.08	0.4
(1,1181)	1:406:A:PRO:HD3	1:405:A:SER:HB3	15	0.35	0.01	0.35
(1,1790)	1:387:A:LYS:HE3	1:387:A:LYS:HB3	15	0.34	0.06	0.34
(1,1044)	1:367:A:ASP:HB2	1:366:A:THR:HA	15	0.34	0.01	0.34
(1,1445)	1:463:A:VAL:HG21	1:345:A:ILE:H	15	0.33	0.02	0.33
(1,1445)	1:463:A:VAL:HG22	1:345:A:ILE:H	15	0.33	0.02	0.33
(1,1445)	1:463:A:VAL:HG23	1:345:A:ILE:H	15	0.33	0.02	0.33
(1,1816)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	15	0.29	0.12	0.27
(1,2997)	1:387:A:LYS:HD2	1:387:A:LYS:H	15	0.29	0.03	0.3
(1,2177)	1:367:A:ASP:HB2	1:368:A:ILE:H	15	0.29	0.03	0.29
(1,2168)	1:368:A:ILE:HA	1:367:A:ASP:HB3	15	0.28	0.01	0.28
(1,1074)	1:340:A:MET:HG2	1:341:A:GLU:H	15	0.26	0.05	0.26
(1,743)	1:389:A:GLU:HG3	1:389:A:GLU:H	15	0.26	0.07	0.27
(1,4250)	1:408:A:ASN:H	1:408:A:ASN:HB2	15	0.26	0.01	0.25
(1,2917)	1:367:A:ASP:HB3	1:367:A:ASP:H	15	0.25	0.02	0.25
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD11	15	0.21	0.12	0.14
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD12	15	0.21	0.12	0.14
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD13	15	0.21	0.12	0.14
(1,1373)	1:386:A:ASN:HA	1:387:A:LYS:HB3	15	0.21	0.01	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4423)	1:422:A:ASP:H	1:409:A:TYR:H	15	0.2	0.03	0.18
(1,298)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	15	0.19	0.01	0.19
(1,659)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	15	0.18	0.04	0.19
(1,1161)	1:429:A:TYR:HB2	1:429:A:TYR:H	15	0.17	0.04	0.16
(1,4283)	1:374:A:THR:H	1:375:A:THR:H	15	0.17	0.03	0.17
(1,1478)	1:435:A:LYS:HD3	1:435:A:LYS:HB3	15	0.17	0.04	0.16
(1,4404)	1:417:A:GLY:H	1:417:A:GLY:HA2	15	0.16	0.02	0.16
(1,3082)	1:408:A:ASN:HB3	1:407:A:VAL:HA	15	0.15	0.03	0.14
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG21	15	0.15	0.03	0.14
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG22	15	0.15	0.03	0.14
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG23	15	0.15	0.03	0.14
(1,1284)	1:406:A:PRO:HG3	1:405:A:SER:HA	15	0.15	0.02	0.15
(1,4729)	1:407:A:VAL:H	1:406:A:PRO:HB2	15	0.14	0.01	0.14
(1,2887)	1:352:A:GLN:HB3	1:351:A:ASN:HA	15	0.14	0.02	0.13
(1,2127)	1:411:A:MET:HB3	1:411:A:MET:H	15	0.13	0.02	0.13
(1,3223)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	15	0.13	0.02	0.13
(1,1722)	1:463:A:VAL:HG21	1:463:A:VAL:HB	15	0.13	0.0	0.13
(1,1722)	1:463:A:VAL:HG22	1:463:A:VAL:HB	15	0.13	0.0	0.13
(1,1722)	1:463:A:VAL:HG23	1:463:A:VAL:HB	15	0.13	0.0	0.13
(1,1311)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	15	0.13	0.02	0.12
(1,3464)	1:437:A:ARG:HD2	1:437:A:ARG:HG2	15	0.13	0.02	0.12
(1,4146)	1:410:A:TRP:HE1	1:410:A:TRP:HB2	15	0.12	0.01	0.12
(1,3967)	1:356:A:TYR:H	1:355:A:TRP:HA	15	0.11	0.01	0.11
(1,411)	1:392:A:THR:HA	1:392:A:THR:HB	15	0.1	0.0	0.1
(1,2434)	1:399:A:ASP:HB2	1:399:A:ASP:H	14	0.77	0.14	0.8
(1,2531)	1:399:A:ASP:HB3	1:400:A:GLY:H	14	0.61	0.3	0.71
(1,4725)	1:395:A:GLY:H	1:402:A:PRO:HB3	14	0.38	0.13	0.4
(1,3241)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	14	0.36	0.03	0.35
(1,613)	1:407:A:VAL:HG21	1:408:A:ASN:H	14	0.21	0.09	0.18
(1,613)	1:407:A:VAL:HG22	1:408:A:ASN:H	14	0.21	0.09	0.18
(1,613)	1:407:A:VAL:HG23	1:408:A:ASN:H	14	0.21	0.09	0.18
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG11	14	0.19	0.11	0.15
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG12	14	0.19	0.11	0.15
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG13	14	0.19	0.11	0.15
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	14	0.19	0.05	0.17
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	14	0.19	0.05	0.17
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	14	0.19	0.05	0.17
(1,2488)	1:350:A:GLU:HG2	1:350:A:GLU:HA	14	0.18	0.06	0.18
(1,1355)	1:396:A:THR:HG21	1:400:A:GLY:HA2	14	0.17	0.05	0.18
(1,1355)	1:396:A:THR:HG22	1:400:A:GLY:HA2	14	0.17	0.05	0.18
(1,1355)	1:396:A:THR:HG23	1:400:A:GLY:HA2	14	0.17	0.05	0.18
(1,4857)	1:438:A:GLY:H	1:372:A:LYS:HB3	14	0.16	0.03	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4096)	1:445:A:THR:H	1:445:A:THR:HB	14	0.15	0.05	0.13
(1,395)	1:388:A:GLU:HA	1:388:A:GLU:HG3	14	0.15	0.04	0.14
(1,3525)	1:355:A:TRP:HE3	1:354:A:MET:HA	14	0.15	0.03	0.15
(1,3786)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	14	0.14	0.01	0.14
(1,3786)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	14	0.14	0.01	0.14
(1,3201)	1:421:A:HIS:HA	1:422:A:ASP:HB2	14	0.13	0.01	0.12
(1,4674)	1:357:A:TYR:H	1:357:A:TYR:HA	14	0.1	0.0	0.1
(1,4902)	1:429:A:TYR:H	1:428:A:GLU:HG3	13	0.76	0.08	0.74
(1,1580)	1:395:A:GLY:HA3	1:396:A:THR:H	13	0.61	0.04	0.62
(1,4033)	1:425:A:TRP:HE1	1:423:A:SER:HB2	13	0.6	0.25	0.47
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE1	13	0.58	0.13	0.6
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE2	13	0.58	0.13	0.6
(1,4205)	1:444:A:ASN:H	1:444:A:ASN:HB2	13	0.33	0.17	0.3
(1,4695)	1:401:A:THR:H	1:399:A:ASP:HB3	13	0.31	0.06	0.32
(1,4501)	1:391:A:ALA:H	1:389:A:GLU:HB3	13	0.31	0.04	0.3
(1,688)	1:390:A:ASP:HA	1:389:A:GLU:HB3	13	0.25	0.04	0.26
(1,3367)	1:369:A:VAL:HG21	1:370:A:SER:H	13	0.19	0.04	0.2
(1,3367)	1:369:A:VAL:HG22	1:370:A:SER:H	13	0.19	0.04	0.2
(1,3367)	1:369:A:VAL:HG23	1:370:A:SER:H	13	0.19	0.04	0.2
(1,3776)	1:383:A:TYR:HD1	1:462:A:PRO:HG3	13	0.15	0.03	0.14
(1,3776)	1:383:A:TYR:HD2	1:462:A:PRO:HG3	13	0.15	0.03	0.14
(1,4410)	1:426:A:GLN:H	1:425:A:TRP:HD1	13	0.15	0.03	0.15
(1,4472)	1:448:A:SER:H	1:446:A:PRO:HB2	13	0.13	0.02	0.13
(1,2163)	1:435:A:LYS:HG2	1:435:A:LYS:H	13	0.12	0.02	0.12
(1,1515)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	13	0.12	0.01	0.12
(1,4702)	1:414:A:ASP:H	1:414:A:ASP:HB2	12	0.51	0.04	0.51
(1,4976)	1:408:A:ASN:HD22	1:407:A:VAL:HA	12	0.33	0.11	0.38
(1,4349)	1:419:A:GLY:H	1:442:A:CYS:HA	12	0.21	0.09	0.19
(1,4762)	1:444:A:ASN:H	1:368:A:ILE:HB	12	0.17	0.05	0.16
(1,1969)	1:424:A:ASP:HB2	1:424:A:ASP:H	12	0.16	0.04	0.16
(1,3798)	1:466:A:PHE:HD1	1:464:A:LEU:HG	12	0.15	0.03	0.15
(1,3798)	1:466:A:PHE:HD2	1:464:A:LEU:HG	12	0.15	0.03	0.15
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	12	0.14	0.03	0.14
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	12	0.14	0.03	0.14
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	12	0.14	0.03	0.14
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	12	0.14	0.03	0.14
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	12	0.14	0.03	0.14
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	12	0.14	0.03	0.14
(1,2747)	1:341:A:GLU:HG3	1:341:A:GLU:HA	12	0.13	0.02	0.13
(1,897)	1:434:A:TRP:HA	1:435:A:LYS:HA	12	0.12	0.01	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD11	12	0.12	0.01	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD12	12	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD13	12	0.12	0.01	0.12
(1,458)	1:435:A:LYS:HB3	1:435:A:LYS:HD2	12	0.11	0.01	0.11
(1,2384)	1:452:A:GLU:HB2	1:453:A:LEU:HA	12	0.11	0.01	0.11
(1,2855)	1:448:A:SER:HB2	1:448:A:SER:H	11	0.86	0.04	0.87
(1,70)	1:448:A:SER:HB3	1:448:A:SER:H	11	0.71	0.04	0.7
(1,4447)	1:387:A:LYS:H	1:459:A:LYS:HG2	11	0.25	0.05	0.25
(1,510)	1:372:A:LYS:HD3	1:372:A:LYS:HG2	11	0.23	0.13	0.25
(1,4527)	1:441:A:GLY:H	1:439:A:SER:H	11	0.2	0.07	0.18
(1,4945)	1:441:A:GLY:H	1:372:A:LYS:H	11	0.16	0.05	0.13
(1,3819)	1:425:A:TRP:HE3	1:425:A:TRP:HA	11	0.15	0.03	0.14
(1,730)	1:404:A:GLU:HA	1:404:A:GLU:HG3	11	0.15	0.03	0.14
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG21	11	0.13	0.03	0.12
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG22	11	0.13	0.03	0.12
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG23	11	0.13	0.03	0.12
(1,4115)	1:432:A:ASP:H	1:434:A:TRP:H	11	0.12	0.02	0.12
(1,1162)	1:390:A:ASP:HB2	1:390:A:ASP:HA	11	0.12	0.01	0.12
(1,2875)	1:390:A:ASP:HA	1:390:A:ASP:HB2	11	0.12	0.01	0.12
(1,304)	1:355:A:TRP:HB2	1:356:A:TYR:H	11	0.11	0.01	0.11
(1,747)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	10	0.49	0.26	0.38
(1,3419)	1:422:A:ASP:HA	1:423:A:SER:HB3	10	0.44	0.29	0.42
(1,1467)	1:372:A:LYS:HB3	1:372:A:LYS:HD3	10	0.41	0.17	0.41
(1,3299)	1:340:A:MET:HB3	1:341:A:GLU:HA	10	0.31	0.21	0.25
(1,3346)	1:387:A:LYS:HB3	1:388:A:GLU:H	10	0.26	0.12	0.24
(1,4595)	1:399:A:ASP:H	1:400:A:GLY:H	10	0.17	0.05	0.16
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG11	10	0.16	0.03	0.16
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG12	10	0.16	0.03	0.16
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG13	10	0.16	0.03	0.16
(1,1626)	1:339:A:HIS:HB2	1:339:A:HIS:HA	10	0.15	0.06	0.12
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD11	10	0.15	0.04	0.15
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD12	10	0.15	0.04	0.15
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD13	10	0.15	0.04	0.15
(1,1095)	1:428:A:GLU:HB3	1:428:A:GLU:H	10	0.15	0.03	0.16
(1,3930)	1:424:A:ASP:H	1:447:A:PRO:HA	10	0.14	0.04	0.13
(1,4389)	1:463:A:VAL:H	1:382:A:PHE:H	10	0.13	0.02	0.13
(1,4257)	1:352:A:GLN:H	1:352:A:GLN:HA	10	0.13	0.01	0.14
(1,409)	1:440:A:HIS:HB3	1:440:A:HIS:H	10	0.12	0.02	0.12
(1,1132)	1:348:A:ASP:HA	1:349:A:LEU:HB3	10	0.12	0.02	0.11
(1,4571)	1:389:A:GLU:H	1:389:A:GLU:HB2	10	0.12	0.01	0.12
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	10	0.12	0.01	0.12
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	10	0.12	0.01	0.12
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	10	0.12	0.01	0.12
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	10	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	10	0.12	0.01	0.12
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	10	0.12	0.01	0.12
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	10	0.12	0.01	0.12
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	10	0.12	0.01	0.12
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	10	0.12	0.01	0.12
(1,3104)	1:463:A:VAL:HG11	1:463:A:VAL:H	10	0.12	0.01	0.11
(1,3104)	1:463:A:VAL:HG12	1:463:A:VAL:H	10	0.12	0.01	0.11
(1,3104)	1:463:A:VAL:HG13	1:463:A:VAL:H	10	0.12	0.01	0.11
(1,1634)	1:391:A:ALA:HB1	1:391:A:ALA:H	10	0.11	0.01	0.12
(1,1634)	1:391:A:ALA:HB2	1:391:A:ALA:H	10	0.11	0.01	0.12
(1,1634)	1:391:A:ALA:HB3	1:391:A:ALA:H	10	0.11	0.01	0.12
(1,4890)	1:445:A:THR:H	1:423:A:SER:HB2	9	1.45	0.31	1.53
(1,2830)	1:448:A:SER:HB2	1:449:A:VAL:H	9	0.88	0.05	0.9
(1,1896)	1:422:A:ASP:HA	1:423:A:SER:HB2	9	0.84	0.25	0.96
(1,4097)	1:425:A:TRP:HE1	1:423:A:SER:HB3	9	0.62	0.16	0.7
(1,549)	1:394:A:LYS:HG2	1:394:A:LYS:HA	9	0.24	0.33	0.12
(1,720)	1:342:A:ASP:HB2	1:344:A:TYR:H	9	0.22	0.09	0.2
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE1	9	0.2	0.04	0.22
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE2	9	0.2	0.04	0.22
(1,3351)	1:340:A:MET:HB3	1:340:A:MET:HA	9	0.15	0.04	0.15
(1,1713)	1:420:A:ILE:HG21	1:421:A:HIS:H	9	0.13	0.01	0.13
(1,1713)	1:420:A:ILE:HG22	1:421:A:HIS:H	9	0.13	0.01	0.13
(1,1713)	1:420:A:ILE:HG23	1:421:A:HIS:H	9	0.13	0.01	0.13
(1,1218)	1:414:A:ASP:HB2	1:415:A:TRP:H	8	0.9	0.39	1.17
(1,2153)	1:349:A:LEU:HD21	1:370:A:SER:HG	8	0.76	0.03	0.76
(1,2153)	1:349:A:LEU:HD22	1:370:A:SER:HG	8	0.76	0.03	0.76
(1,2153)	1:349:A:LEU:HD23	1:370:A:SER:HG	8	0.76	0.03	0.76
(1,1113)	1:445:A:THR:HA	1:444:A:ASN:HB2	8	0.46	0.15	0.52
(1,1866)	1:372:A:LYS:HB2	1:372:A:LYS:HD2	8	0.41	0.22	0.57
(1,1320)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	8	0.38	0.21	0.53
(1,1320)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	8	0.38	0.21	0.53
(1,1320)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	8	0.38	0.21	0.53
(1,2103)	1:402:A:PRO:HB3	1:403:A:TYR:H	8	0.2	0.02	0.2
(1,4261)	1:460:A:GLY:H	1:461:A:THR:H	8	0.17	0.06	0.15
(1,3902)	1:454:A:PHE:HD1	1:454:A:PHE:HA	8	0.16	0.04	0.16
(1,3902)	1:454:A:PHE:HD2	1:454:A:PHE:HA	8	0.16	0.04	0.16
(1,4390)	1:396:A:THR:H	1:395:A:GLY:HA3	8	0.13	0.01	0.14
(1,3558)	1:410:A:TRP:HD1	1:388:A:GLU:HA	8	0.13	0.02	0.12
(1,3753)	1:403:A:TYR:HE1	1:395:A:GLY:HA3	8	0.12	0.02	0.11
(1,3753)	1:403:A:TYR:HE2	1:395:A:GLY:HA3	8	0.12	0.02	0.11
(1,3370)	1:446:A:PRO:HA	1:447:A:PRO:HD2	8	0.12	0.02	0.12
(1,649)	1:427:A:PRO:HA	1:428:A:GLU:HB2	8	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	8	0.11	0.01	0.11
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	8	0.11	0.01	0.11
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	8	0.11	0.01	0.11
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	8	0.11	0.01	0.11
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	8	0.11	0.01	0.11
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	8	0.11	0.01	0.11
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	8	0.11	0.01	0.11
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	8	0.11	0.01	0.11
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	8	0.11	0.01	0.11
(1,711)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	8	0.11	0.01	0.11
(1,4561)	1:343:A:THR:H	1:343:A:THR:HA	8	0.11	0.01	0.11
(1,3317)	1:416:A:THR:HB	1:416:A:THR:H	8	0.11	0.01	0.1
(1,2994)	1:433:A:LEU:HA	1:433:A:LEU:H	8	0.11	0.0	0.11
(1,2690)	1:399:A:ASP:HB2	1:398:A:ASP:HA	7	0.89	0.31	1.02
(1,2152)	1:399:A:ASP:HB3	1:399:A:ASP:H	7	0.45	0.08	0.45
(1,253)	1:395:A:GLY:HA2	1:396:A:THR:H	7	0.38	0.02	0.39
(1,3075)	1:450:A:MET:HG2	1:450:A:MET:HA	7	0.33	0.49	0.13
(1,4598)	1:397:A:ASN:HD22	1:403:A:TYR:HB2	7	0.23	0.06	0.23
(1,550)	1:463:A:VAL:HG11	1:463:A:VAL:HA	7	0.22	0.08	0.26
(1,550)	1:463:A:VAL:HG12	1:463:A:VAL:HA	7	0.22	0.08	0.26
(1,550)	1:463:A:VAL:HG13	1:463:A:VAL:HA	7	0.22	0.08	0.26
(1,1488)	1:372:A:LYS:HB3	1:373:A:PRO:HD2	7	0.2	0.06	0.21
(1,111)	1:423:A:SER:HA	1:425:A:TRP:H	7	0.17	0.04	0.17
(1,4604)	1:343:A:THR:H	1:343:A:THR:HB	7	0.17	0.02	0.17
(1,3898)	1:466:A:PHE:HE1	1:346:A:GLU:HB3	7	0.15	0.04	0.14
(1,3898)	1:466:A:PHE:HE2	1:346:A:GLU:HB3	7	0.15	0.04	0.14
(1,651)	1:445:A:THR:HB	1:446:A:PRO:HA	7	0.15	0.05	0.13
(1,1495)	1:379:A:ALA:HB1	1:466:A:PHE:HB3	7	0.13	0.02	0.13
(1,1495)	1:379:A:ALA:HB2	1:466:A:PHE:HB3	7	0.13	0.02	0.13
(1,1495)	1:379:A:ALA:HB3	1:466:A:PHE:HB3	7	0.13	0.02	0.13
(1,2151)	1:463:A:VAL:HA	1:463:A:VAL:H	7	0.11	0.0	0.11
(1,4950)	1:371:A:GLY:H	1:371:A:GLY:HA3	7	0.1	0.0	0.1
(1,397)	1:400:A:GLY:HA2	1:399:A:ASP:HB3	6	0.59	0.0	0.59
(1,671)	1:399:A:ASP:HB3	1:400:A:GLY:HA3	6	0.5	0.01	0.5
(1,2839)	1:399:A:ASP:HB3	1:399:A:ASP:HA	6	0.32	0.01	0.32
(1,3425)	1:382:A:PHE:HB2	1:383:A:TYR:H	6	0.3	0.08	0.33
(1,2893)	1:399:A:ASP:HB2	1:400:A:GLY:H	6	0.26	0.09	0.24
(1,3687)	1:425:A:TRP:HE3	1:424:A:ASP:HB2	6	0.2	0.07	0.18
(1,3513)	1:394:A:LYS:HB3	1:394:A:LYS:HE3	6	0.16	0.04	0.18
(1,4337)	1:448:A:SER:H	1:448:A:SER:HB3	6	0.14	0.02	0.15
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD21	6	0.13	0.03	0.12
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD22	6	0.13	0.03	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD23	6	0.13	0.03	0.12
(1,2544)	1:389:A:GLU:HB3	1:390:A:ASP:H	6	0.12	0.01	0.12
(1,3758)	1:454:A:PHE:HD1	1:454:A:PHE:HB2	6	0.12	0.01	0.12
(1,3758)	1:454:A:PHE:HD2	1:454:A:PHE:HB2	6	0.12	0.01	0.12
(1,3085)	1:399:A:ASP:HA	1:399:A:ASP:HB3	6	0.12	0.01	0.12
(1,1333)	1:367:A:ASP:HB2	1:367:A:ASP:H	5	1.25	0.02	1.25
(1,712)	1:387:A:LYS:HG2	1:387:A:LYS:H	5	1.14	0.04	1.16
(1,102)	1:352:A:GLN:HA	1:352:A:GLN:HG3	5	1.13	0.08	1.1
(1,1749)	1:387:A:LYS:HB3	1:387:A:LYS:HD2	5	1.05	0.0	1.05
(1,3605)	1:425:A:TRP:HH2	1:405:A:SER:HB3	5	0.97	0.08	1.01
(1,1490)	1:408:A:ASN:HB3	1:408:A:ASN:HD21	5	0.92	0.24	1.11
(1,2518)	1:463:A:VAL:HB	1:463:A:VAL:H	5	0.82	0.01	0.81
(1,2291)	1:407:A:VAL:HA	1:408:A:ASN:HB2	5	0.79	0.08	0.8
(1,2670)	1:386:A:ASN:HA	1:387:A:LYS:HB2	5	0.78	0.02	0.78
(1,58)	1:367:A:ASP:HB3	1:366:A:THR:HA	5	0.74	0.01	0.73
(1,2730)	1:463:A:VAL:HG11	1:464:A:LEU:H	5	0.73	0.03	0.73
(1,2730)	1:463:A:VAL:HG12	1:464:A:LEU:H	5	0.73	0.03	0.73
(1,2730)	1:463:A:VAL:HG13	1:464:A:LEU:H	5	0.73	0.03	0.73
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG21	5	0.68	0.01	0.68
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG22	5	0.68	0.01	0.68
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG23	5	0.68	0.01	0.68
(1,2056)	1:387:A:LYS:HB2	1:454:A:PHE:HE1	5	0.68	0.08	0.71
(1,2056)	1:387:A:LYS:HB2	1:454:A:PHE:HE2	5	0.68	0.08	0.71
(1,3581)	1:382:A:PHE:HE1	1:414:A:ASP:HB2	5	0.63	0.06	0.66
(1,3581)	1:382:A:PHE:HE2	1:414:A:ASP:HB2	5	0.63	0.06	0.66
(1,1752)	1:352:A:GLN:HG2	1:353:A:HIS:H	5	0.63	0.03	0.64
(1,4855)	1:434:A:TRP:HE1	1:435:A:LYS:HE2	5	0.63	0.06	0.65
(1,1577)	1:387:A:LYS:HB3	1:387:A:LYS:H	5	0.62	0.01	0.62
(1,428)	1:408:A:ASN:HB2	1:407:A:VAL:HA	5	0.59	0.08	0.6
(1,1424)	1:367:A:ASP:HB3	1:368:A:ILE:H	5	0.57	0.04	0.58
(1,2314)	1:405:A:SER:HB2	1:405:A:SER:H	5	0.53	0.02	0.52
(1,1412)	1:404:A:GLU:HA	1:405:A:SER:HB3	5	0.49	0.01	0.5
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG11	5	0.43	0.09	0.49
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG12	5	0.43	0.09	0.49
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG13	5	0.43	0.09	0.49
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG11	5	0.43	0.09	0.49
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG12	5	0.43	0.09	0.49
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG13	5	0.43	0.09	0.49
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG11	5	0.43	0.09	0.49
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG12	5	0.43	0.09	0.49
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG13	5	0.43	0.09	0.49
(1,87)	1:408:A:ASN:HB2	1:408:A:ASN:HA	5	0.38	0.16	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD21	5	0.37	0.03	0.36
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD22	5	0.37	0.03	0.36
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD23	5	0.37	0.03	0.36
(1,45)	1:387:A:LYS:HD2	1:387:A:LYS:HB3	5	0.35	0.0	0.35
(1,2534)	1:366:A:THR:HA	1:367:A:ASP:HB3	5	0.34	0.01	0.33
(1,1647)	1:387:A:LYS:HE3	1:387:A:LYS:HD2	5	0.32	0.0	0.32
(1,1554)	1:361:A:LYS:HG2	1:361:A:LYS:H	5	0.28	0.08	0.31
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG11	5	0.28	0.09	0.32
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG12	5	0.28	0.09	0.32
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG13	5	0.28	0.09	0.32
(1,456)	1:463:A:VAL:HG21	1:463:A:VAL:HA	5	0.28	0.01	0.28
(1,456)	1:463:A:VAL:HG22	1:463:A:VAL:HA	5	0.28	0.01	0.28
(1,456)	1:463:A:VAL:HG23	1:463:A:VAL:HA	5	0.28	0.01	0.28
(1,1430)	1:408:A:ASN:HA	1:408:A:ASN:HB2	5	0.28	0.16	0.17
(1,4067)	1:367:A:ASP:H	1:367:A:ASP:HB2	5	0.25	0.02	0.25
(1,1564)	1:408:A:ASN:HA	1:408:A:ASN:HD21	5	0.24	0.04	0.23
(1,2861)	1:407:A:VAL:HG21	1:409:A:TYR:H	5	0.2	0.07	0.23
(1,2861)	1:407:A:VAL:HG22	1:409:A:TYR:H	5	0.2	0.07	0.23
(1,2861)	1:407:A:VAL:HG23	1:409:A:TYR:H	5	0.2	0.07	0.23
(1,181)	1:451:A:LYS:HE3	1:451:A:LYS:HB3	5	0.18	0.06	0.16
(1,2058)	1:435:A:LYS:HD3	1:435:A:LYS:HE2	5	0.17	0.02	0.16
(1,3996)	1:396:A:THR:H	1:403:A:TYR:H	5	0.17	0.03	0.16
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	5	0.15	0.01	0.15
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	5	0.15	0.01	0.15
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	5	0.15	0.01	0.15
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	5	0.15	0.01	0.15
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	5	0.15	0.01	0.15
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	5	0.15	0.01	0.15
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	5	0.15	0.01	0.15
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	5	0.15	0.01	0.15
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	5	0.15	0.01	0.15
(1,3453)	1:428:A:GLU:HA	1:429:A:TYR:HB2	5	0.15	0.03	0.16
(1,2462)	1:350:A:GLU:HB3	1:351:A:ASN:H	5	0.15	0.03	0.13
(1,1122)	1:389:A:GLU:HB2	1:389:A:GLU:HG2	5	0.13	0.02	0.12
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB1	5	0.12	0.01	0.12
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB2	5	0.12	0.01	0.12
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB3	5	0.12	0.01	0.12
(1,1876)	1:389:A:GLU:HB3	1:389:A:GLU:HG2	5	0.12	0.01	0.12
(1,159)	1:376:A:PRO:HA	1:375:A:THR:H	5	0.12	0.01	0.12
(1,3904)	1:344:A:TYR:HD1	1:344:A:TYR:HB2	5	0.12	0.02	0.11
(1,3904)	1:344:A:TYR:HD2	1:344:A:TYR:HB2	5	0.12	0.02	0.11
(1,4703)	1:442:A:CYS:H	1:441:A:GLY:HA2	5	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,533)	1:439:A:SER:HA	1:439:A:SER:H	5	0.11	0.0	0.11
(1,4060)	1:432:A:ASP:H	1:433:A:LEU:H	5	0.11	0.01	0.11
(1,4160)	1:433:A:LEU:H	1:432:A:ASP:H	5	0.11	0.01	0.11
(1,3080)	1:339:A:HIS:HB2	1:340:A:MET:H	4	0.76	0.61	0.6
(1,1598)	1:361:A:LYS:HB2	1:361:A:LYS:HD2	4	0.65	0.06	0.62
(1,1765)	1:361:A:LYS:HE2	1:361:A:LYS:HB2	4	0.44	0.13	0.39
(1,252)	1:397:A:ASN:HA	1:396:A:THR:H	4	0.25	0.06	0.24
(1,2367)	1:361:A:LYS:HB3	1:361:A:LYS:HE2	4	0.24	0.04	0.24
(1,2779)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	4	0.22	0.12	0.17
(1,2509)	1:428:A:GLU:HG2	1:429:A:TYR:H	4	0.2	0.03	0.2
(1,3825)	1:425:A:TRP:HZ3	1:406:A:PRO:HG3	4	0.18	0.07	0.16
(1,2248)	1:361:A:LYS:HE2	1:361:A:LYS:HD3	4	0.17	0.01	0.18
(1,972)	1:398:A:ASP:HB2	1:399:A:ASP:H	4	0.17	0.04	0.18
(1,3869)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	4	0.16	0.06	0.15
(1,3653)	1:466:A:PHE:HD1	1:346:A:GLU:HG3	4	0.15	0.02	0.16
(1,3653)	1:466:A:PHE:HD2	1:346:A:GLU:HG3	4	0.15	0.02	0.16
(1,3960)	1:351:A:ASN:H	1:350:A:GLU:HB2	4	0.15	0.03	0.14
(1,445)	1:398:A:ASP:HB3	1:398:A:ASP:HA	4	0.15	0.03	0.15
(1,1689)	1:411:A:MET:HE1	1:453:A:LEU:HG	4	0.14	0.01	0.14
(1,1689)	1:411:A:MET:HE2	1:453:A:LEU:HG	4	0.14	0.01	0.14
(1,1689)	1:411:A:MET:HE3	1:453:A:LEU:HG	4	0.14	0.01	0.14
(1,3858)	1:434:A:TRP:HZ2	1:435:A:LYS:HD2	4	0.14	0.02	0.14
(1,294)	1:358:A:LYS:HA	1:358:A:LYS:HD3	4	0.13	0.01	0.13
(1,1050)	1:420:A:ILE:HG21	1:443:A:ILE:H	4	0.13	0.02	0.12
(1,1050)	1:420:A:ILE:HG22	1:443:A:ILE:H	4	0.13	0.02	0.12
(1,1050)	1:420:A:ILE:HG23	1:443:A:ILE:H	4	0.13	0.02	0.12
(1,1863)	1:387:A:LYS:HE3	1:387:A:LYS:HB2	4	0.13	0.02	0.13
(1,875)	1:461:A:THR:HG21	1:345:A:ILE:H	4	0.12	0.02	0.12
(1,875)	1:461:A:THR:HG22	1:345:A:ILE:H	4	0.12	0.02	0.12
(1,875)	1:461:A:THR:HG23	1:345:A:ILE:H	4	0.12	0.02	0.12
(1,4329)	1:393:A:LEU:H	1:404:A:GLU:HG2	4	0.12	0.02	0.12
(1,635)	1:411:A:MET:HG3	1:411:A:MET:H	4	0.12	0.01	0.12
(1,4491)	1:351:A:ASN:H	1:351:A:ASN:HB2	4	0.12	0.01	0.11
(1,2026)	1:414:A:ASP:HB3	1:415:A:TRP:H	4	0.12	0.02	0.11
(1,2385)	1:363:A:ALA:HB1	1:456:A:MET:HE1	4	0.11	0.0	0.11
(1,2385)	1:363:A:ALA:HB1	1:456:A:MET:HE2	4	0.11	0.0	0.11
(1,2385)	1:363:A:ALA:HB1	1:456:A:MET:HE3	4	0.11	0.0	0.11
(1,2385)	1:363:A:ALA:HB2	1:456:A:MET:HE1	4	0.11	0.0	0.11
(1,2385)	1:363:A:ALA:HB2	1:456:A:MET:HE2	4	0.11	0.0	0.11
(1,2385)	1:363:A:ALA:HB2	1:456:A:MET:HE3	4	0.11	0.0	0.11
(1,2385)	1:363:A:ALA:HB3	1:456:A:MET:HE1	4	0.11	0.0	0.11
(1,2385)	1:363:A:ALA:HB3	1:456:A:MET:HE2	4	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2385)	1:363:A:ALA:HB3	1:456:A:MET:HE3	4	0.11	0.0	0.11
(1,905)	1:458:A:GLU:HA	1:458:A:GLU:HB2	4	0.11	0.01	0.11
(1,4015)	1:395:A:GLY:H	1:396:A:THR:H	4	0.11	0.01	0.11
(1,4803)	1:396:A:THR:H	1:395:A:GLY:H	4	0.11	0.01	0.11
(1,2733)	1:456:A:MET:HE1	1:364:A:LEU:HG	4	0.11	0.0	0.11
(1,2733)	1:456:A:MET:HE2	1:364:A:LEU:HG	4	0.11	0.0	0.11
(1,2733)	1:456:A:MET:HE3	1:364:A:LEU:HG	4	0.11	0.0	0.11
(1,3547)	1:382:A:PHE:HD1	1:382:A:PHE:HB3	4	0.11	0.01	0.11
(1,3547)	1:382:A:PHE:HD2	1:382:A:PHE:HB3	4	0.11	0.01	0.11
(1,2161)	1:374:A:THR:HA	1:374:A:THR:HB	4	0.1	0.0	0.1
(1,4120)	1:421:A:HIS:H	1:421:A:HIS:HA	4	0.1	0.0	0.1
(1,348)	1:399:A:ASP:HA	1:399:A:ASP:H	4	0.1	0.0	0.1
(1,1996)	1:340:A:MET:HB2	1:340:A:MET:H	3	1.09	0.29	1.25
(1,2899)	1:339:A:HIS:HB3	1:340:A:MET:H	3	0.94	0.57	1.04
(1,4484)	1:340:A:MET:H	1:340:A:MET:HB2	3	0.89	0.29	1.05
(1,3520)	1:358:A:LYS:HG2	1:359:A:ASP:H	3	0.89	0.01	0.89
(1,1005)	1:358:A:LYS:HE3	1:358:A:LYS:HB2	3	0.78	0.02	0.77
(1,792)	1:442:A:CYS:HB3	1:421:A:HIS:HD2	3	0.54	0.62	0.11
(1,4537)	1:408:A:ASN:HD21	1:408:A:ASN:HB3	3	0.52	0.0	0.52
(1,586)	1:408:A:ASN:HB2	1:409:A:TYR:HE1	3	0.51	0.06	0.53
(1,586)	1:408:A:ASN:HB2	1:409:A:TYR:HE2	3	0.51	0.06	0.53
(1,4965)	1:408:A:ASN:H	1:408:A:ASN:HD22	3	0.46	0.02	0.46
(1,993)	1:358:A:LYS:HG2	1:358:A:LYS:HD3	3	0.46	0.0	0.46
(1,3146)	1:358:A:LYS:HB3	1:358:A:LYS:HD2	3	0.45	0.01	0.45
(1,1834)	1:402:A:PRO:HB2	1:401:A:THR:HA	3	0.43	0.15	0.51
(1,4824)	1:426:A:GLN:HE22	1:428:A:GLU:HB3	3	0.42	0.07	0.41
(1,4409)	1:408:A:ASN:HD22	1:408:A:ASN:H	3	0.36	0.02	0.36
(1,2164)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	3	0.34	0.15	0.27
(1,90)	1:340:A:MET:HE1	1:340:A:MET:HG2	3	0.29	0.0	0.29
(1,90)	1:340:A:MET:HE2	1:340:A:MET:HG2	3	0.29	0.0	0.29
(1,90)	1:340:A:MET:HE3	1:340:A:MET:HG2	3	0.29	0.0	0.29
(1,2932)	1:359:A:ASP:HB3	1:358:A:LYS:HG3	3	0.29	0.07	0.33
(1,4563)	1:408:A:ASN:H	1:407:A:VAL:HG21	3	0.28	0.01	0.28
(1,4563)	1:408:A:ASN:H	1:407:A:VAL:HG22	3	0.28	0.01	0.28
(1,4563)	1:408:A:ASN:H	1:407:A:VAL:HG23	3	0.28	0.01	0.28
(1,4376)	1:426:A:GLN:H	1:427:A:PRO:HA	3	0.27	0.14	0.29
(1,3460)	1:394:A:LYS:HE3	1:394:A:LYS:HB2	3	0.27	0.19	0.14
(1,225)	1:358:A:LYS:HE2	1:358:A:LYS:HG2	3	0.23	0.01	0.23
(1,285)	1:408:A:ASN:HA	1:408:A:ASN:HB3	3	0.23	0.01	0.23
(1,399)	1:358:A:LYS:HD3	1:358:A:LYS:HG3	3	0.22	0.0	0.22
(1,1167)	1:340:A:MET:HG2	1:340:A:MET:HB3	3	0.22	0.0	0.22
(1,3578)	1:356:A:TYR:HE1	1:343:A:THR:HG21	3	0.21	0.02	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3578)	1:356:A:TYR:HE1	1:343:A:THR:HG22	3	0.21	0.02	0.21
(1,3578)	1:356:A:TYR:HE1	1:343:A:THR:HG23	3	0.21	0.02	0.21
(1,3578)	1:356:A:TYR:HE2	1:343:A:THR:HG21	3	0.21	0.02	0.21
(1,3578)	1:356:A:TYR:HE2	1:343:A:THR:HG22	3	0.21	0.02	0.21
(1,3578)	1:356:A:TYR:HE2	1:343:A:THR:HG23	3	0.21	0.02	0.21
(1,261)	1:358:A:LYS:HG2	1:358:A:LYS:HD2	3	0.19	0.0	0.19
(1,360)	1:444:A:ASN:HB2	1:443:A:ILE:HA	3	0.19	0.04	0.19
(1,1849)	1:402:A:PRO:HG2	1:401:A:THR:HA	3	0.19	0.05	0.16
(1,2093)	1:358:A:LYS:HD2	1:358:A:LYS:HE3	3	0.18	0.01	0.18
(1,120)	1:358:A:LYS:HD3	1:358:A:LYS:H	3	0.18	0.0	0.18
(1,3893)	1:425:A:TRP:HD1	1:426:A:GLN:HB2	3	0.17	0.08	0.11
(1,1175)	1:387:A:LYS:HB2	1:388:A:GLU:H	3	0.16	0.01	0.16
(1,1271)	1:361:A:LYS:HD2	1:361:A:LYS:HG2	3	0.16	0.01	0.16
(1,2224)	1:358:A:LYS:HD3	1:358:A:LYS:HG2	3	0.16	0.0	0.16
(1,2245)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	3	0.15	0.01	0.15
(1,2580)	1:358:A:LYS:HG3	1:358:A:LYS:HE2	3	0.15	0.01	0.16
(1,267)	1:340:A:MET:HA	1:340:A:MET:HG3	3	0.14	0.01	0.14
(1,4960)	1:357:A:TYR:H	1:356:A:TYR:HD1	3	0.14	0.04	0.13
(1,4960)	1:357:A:TYR:H	1:356:A:TYR:HD2	3	0.14	0.04	0.13
(1,3031)	1:381:A:VAL:HA	1:380:A:GLY:H	3	0.13	0.01	0.14
(1,14)	1:388:A:GLU:HA	1:388:A:GLU:HG2	3	0.13	0.02	0.12
(1,910)	1:340:A:MET:HB3	1:340:A:MET:HG2	3	0.12	0.0	0.12
(1,2950)	1:386:A:ASN:HB2	1:412:A:PRO:HD3	3	0.12	0.01	0.13
(1,4779)	1:436:A:THR:H	1:435:A:LYS:H	3	0.12	0.02	0.13
(1,2100)	1:451:A:LYS:HB3	1:451:A:LYS:H	3	0.12	0.0	0.12
(1,3885)	1:355:A:TRP:HH2	1:348:A:ASP:HA	3	0.12	0.01	0.11
(1,4631)	1:397:A:ASN:HD21	1:400:A:GLY:H	3	0.12	0.01	0.11
(1,833)	1:404:A:GLU:HB2	1:403:A:TYR:HA	3	0.11	0.0	0.11
(1,4274)	1:408:A:ASN:HD21	1:408:A:ASN:HD22	3	0.11	0.01	0.12
(1,4364)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	3	0.11	0.01	0.12
(1,3190)	1:414:A:ASP:HA	1:413:A:ILE:HA	3	0.11	0.01	0.11
(1,1008)	1:364:A:LEU:HB2	1:364:A:LEU:H	3	0.11	0.0	0.11
(1,1901)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	3	0.11	0.01	0.1
(1,2287)	1:402:A:PRO:HD2	1:401:A:THR:HB	2	1.12	0.02	1.12
(1,1468)	1:448:A:SER:HB3	1:449:A:VAL:H	2	0.93	0.0	0.93
(1,363)	1:401:A:THR:HB	1:402:A:PRO:HD2	2	0.92	0.02	0.92
(1,4395)	1:408:A:ASN:HD22	1:409:A:TYR:H	2	0.88	0.03	0.88
(1,3259)	1:451:A:LYS:HD3	1:451:A:LYS:H	2	0.76	0.03	0.76
(1,1473)	1:451:A:LYS:HB2	1:451:A:LYS:HD3	2	0.75	0.18	0.75
(1,4795)	1:409:A:TYR:H	1:408:A:ASN:HD22	2	0.68	0.02	0.68
(1,3735)	1:383:A:TYR:HD1	1:462:A:PRO:HD2	2	0.66	0.02	0.66
(1,3735)	1:383:A:TYR:HD2	1:462:A:PRO:HD2	2	0.66	0.02	0.66

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1254)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	2	0.63	0.01	0.63
(1,637)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	2	0.61	0.5	0.61
(1,1719)	1:451:A:LYS:HA	1:451:A:LYS:HG2	2	0.56	0.16	0.56
(1,2238)	1:451:A:LYS:HG2	1:451:A:LYS:HA	2	0.56	0.16	0.56
(1,564)	1:408:A:ASN:HB3	1:408:A:ASN:H	2	0.54	0.07	0.54
(1,734)	1:402:A:PRO:HA	1:402:A:PRO:HD3	2	0.53	0.04	0.53
(1,1301)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	2	0.53	0.01	0.53
(1,1479)	1:402:A:PRO:HB2	1:403:A:TYR:H	2	0.5	0.12	0.5
(1,2139)	1:409:A:TYR:HA	1:408:A:ASN:HB2	2	0.46	0.0	0.46
(1,1463)	1:451:A:LYS:HG3	1:451:A:LYS:HE2	2	0.46	0.06	0.46
(1,1999)	1:365:A:GLU:HG2	1:365:A:GLU:H	2	0.44	0.01	0.44
(1,3377)	1:402:A:PRO:HD3	1:402:A:PRO:HA	2	0.43	0.04	0.43
(1,2070)	1:361:A:LYS:HE3	1:361:A:LYS:HA	2	0.42	0.16	0.42
(1,4009)	1:444:A:ASN:H	1:370:A:SER:HB3	2	0.32	0.05	0.32
(1,3302)	1:370:A:SER:HB2	1:371:A:GLY:H	2	0.3	0.01	0.3
(1,2612)	1:361:A:LYS:HD3	1:361:A:LYS:HA	2	0.29	0.07	0.29
(1,653)	1:340:A:MET:HG2	1:340:A:MET:H	2	0.28	0.16	0.28
(1,951)	1:402:A:PRO:HG3	1:401:A:THR:HA	2	0.26	0.03	0.26
(1,379)	1:402:A:PRO:HD2	1:401:A:THR:HA	2	0.25	0.06	0.25
(1,1737)	1:401:A:THR:HA	1:402:A:PRO:HD2	2	0.25	0.06	0.25
(1,4652)	1:408:A:ASN:H	1:408:A:ASN:HB3	2	0.24	0.08	0.24
(1,3060)	1:451:A:LYS:HB3	1:451:A:LYS:HG3	2	0.23	0.09	0.23
(1,2617)	1:451:A:LYS:HD2	1:451:A:LYS:HE3	2	0.18	0.02	0.18
(1,758)	1:339:A:HIS:HB3	1:339:A:HIS:HA	2	0.16	0.06	0.16
(1,1908)	1:341:A:GLU:HB3	1:340:A:MET:HA	2	0.16	0.02	0.16
(1,1384)	1:339:A:HIS:HA	1:339:A:HIS:HB2	2	0.16	0.0	0.16
(1,94)	1:401:A:THR:HA	1:402:A:PRO:HG3	2	0.16	0.04	0.16
(1,667)	1:408:A:ASN:HA	1:408:A:ASN:H	2	0.16	0.02	0.16
(1,3810)	1:344:A:TYR:HD1	1:345:A:ILE:H	2	0.16	0.01	0.16
(1,3810)	1:344:A:TYR:HD2	1:345:A:ILE:H	2	0.16	0.01	0.16
(1,3740)	1:425:A:TRP:HZ2	1:423:A:SER:HB3	2	0.15	0.03	0.15
(1,3998)	1:450:A:MET:H	1:446:A:PRO:HG2	2	0.15	0.0	0.15
(1,727)	1:401:A:THR:HA	1:402:A:PRO:HB2	2	0.13	0.02	0.13
(1,3175)	1:408:A:ASN:HA	1:407:A:VAL:HA	2	0.13	0.0	0.13
(1,4124)	1:443:A:ILE:H	1:443:A:ILE:HD11	2	0.13	0.01	0.13
(1,4124)	1:443:A:ILE:H	1:443:A:ILE:HD12	2	0.13	0.01	0.13
(1,4124)	1:443:A:ILE:H	1:443:A:ILE:HD13	2	0.13	0.01	0.13
(1,4415)	1:367:A:ASP:H	1:446:A:PRO:HG2	2	0.13	0.03	0.13
(1,4959)	1:390:A:ASP:H	1:391:A:ALA:H	2	0.12	0.01	0.12
(1,776)	1:358:A:LYS:HA	1:358:A:LYS:HE2	2	0.12	0.01	0.12
(1,109)	1:418:A:VAL:HG11	1:418:A:VAL:H	2	0.11	0.0	0.11
(1,109)	1:418:A:VAL:HG12	1:418:A:VAL:H	2	0.11	0.0	0.11

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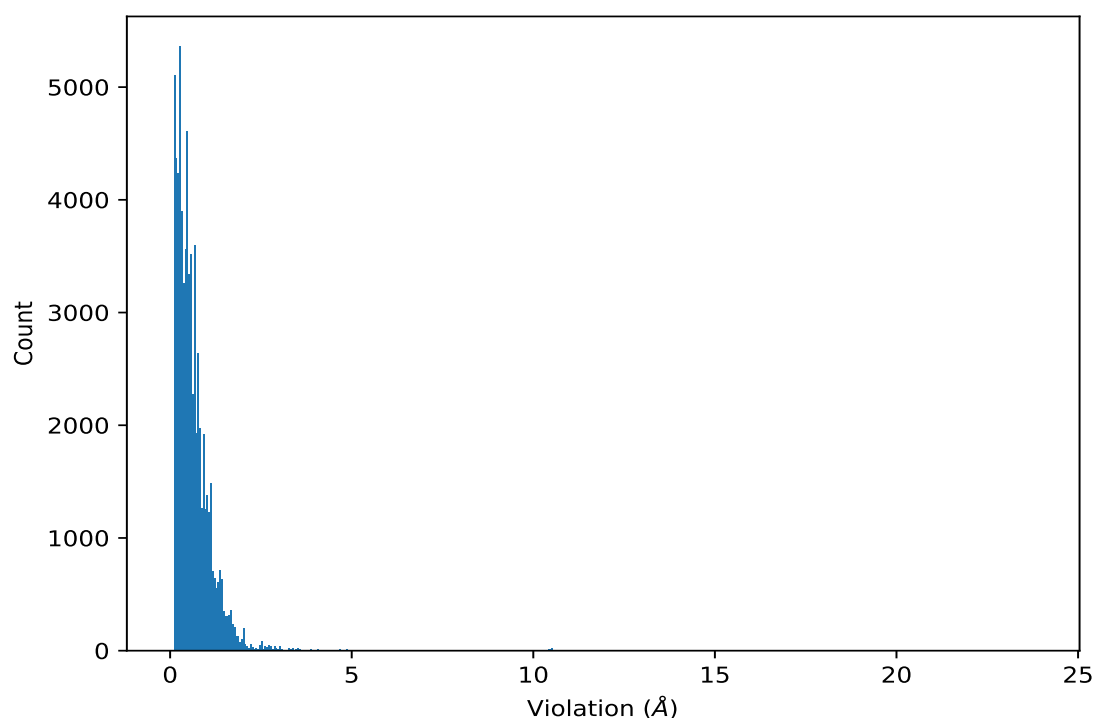
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,109)	1:418:A:VAL:HG13	1:418:A:VAL:H	2	0.11	0.0	0.11
(1,1640)	1:362:A:VAL:HG11	1:362:A:VAL:H	2	0.11	0.0	0.11
(1,1640)	1:362:A:VAL:HG12	1:362:A:VAL:H	2	0.11	0.0	0.11
(1,1640)	1:362:A:VAL:HG13	1:362:A:VAL:H	2	0.11	0.0	0.11
(1,2748)	1:394:A:LYS:HG2	1:395:A:GLY:H	2	0.11	0.01	0.11
(1,4809)	1:448:A:SER:H	1:448:A:SER:HB2	2	0.11	0.01	0.11
(1,299)	1:383:A:TYR:HA	1:383:A:TYR:HB2	2	0.11	0.0	0.11
(1,3818)	1:357:A:TYR:HE1	1:346:A:GLU:HA	2	0.11	0.0	0.11
(1,3818)	1:357:A:TYR:HE2	1:346:A:GLU:HA	2	0.11	0.0	0.11
(1,4112)	1:437:A:ARG:H	1:435:A:LYS:HA	2	0.11	0.0	0.11
(1,509)	1:462:A:PRO:HG3	1:462:A:PRO:HD2	2	0.1	0.0	0.1
(1,1163)	1:415:A:TRP:HB2	1:415:A:TRP:HD1	2	0.1	0.0	0.1
(1,1630)	1:363:A:ALA:HA	1:363:A:ALA:HB1	2	0.1	0.0	0.1
(1,1630)	1:363:A:ALA:HA	1:363:A:ALA:HB2	2	0.1	0.0	0.1
(1,1630)	1:363:A:ALA:HA	1:363:A:ALA:HB3	2	0.1	0.0	0.1
(1,1821)	1:404:A:GLU:HA	1:404:A:GLU:H	2	0.1	0.0	0.1
(1,3526)	1:357:A:TYR:HD1	1:355:A:TRP:HB2	2	0.1	0.0	0.1
(1,3526)	1:357:A:TYR:HD2	1:355:A:TRP:HB2	2	0.1	0.0	0.1
(1,4149)	1:400:A:GLY:H	1:396:A:THR:HA	2	0.1	0.0	0.1

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	13	23.83
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	19	23.82
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	15	23.79
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	9	23.77
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	20	23.75
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	10	23.73
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	1	23.71
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	2	23.71
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	12	23.7
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	14	23.69
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	4	23.68
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	6	23.68
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	7	23.67
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	18	23.67
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	17	23.65
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	8	23.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	11	23.64
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	16	23.64
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	3	23.53
(1,4925)	1:391:A:ALA:H	1:361:A:LYS:HA	5	23.46
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	19	20.31
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	20	20.28
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	16	20.26
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	13	20.25
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	12	20.21
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	1	20.2
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	6	20.2
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	4	20.18
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	14	20.18
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	17	20.18
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	10	20.17
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	11	20.17
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	15	20.16
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	7	20.15
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	2	20.14
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	9	20.1
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	8	20.09
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	5	20.08
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	18	20.06
(1,4064)	1:388:A:GLU:H	1:361:A:LYS:HA	3	20.04
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	19	19.25
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	13	19.23
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	20	19.23
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	15	19.22
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	9	19.2
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	10	19.16
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	12	19.16
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	4	19.15
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	18	19.14
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	1	19.12
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	11	19.12
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	17	19.12
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	14	19.11
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	8	19.09
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	16	19.09
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	6	19.06
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	2	19.05
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	7	19.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	3	18.92
(1,4147)	1:410:A:TRP:H	1:361:A:LYS:HA	5	18.9
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	18	14.98
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	1	14.93
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	19	14.88
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	4	14.85
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	8	14.84
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	15	14.84
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	17	14.84
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	13	14.83
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	14	14.83
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	16	14.83
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	2	14.81
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	20	14.78
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	9	14.77
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	6	14.73
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	12	14.72
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	5	14.69
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	7	14.67
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	11	14.57
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	3	14.54
(1,4371)	1:425:A:TRP:HE1	1:356:A:TYR:HA	10	14.54
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	16	14.26
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	10	14.09
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	20	13.98
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	12	13.94
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	17	13.94
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	15	13.92
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	13	13.9
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	18	13.89
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	14	13.86
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	9	13.85
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	11	13.85
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	4	13.81
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	1	13.75
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	8	13.75
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	5	13.68
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	19	13.68
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	3	13.54
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	7	13.37
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	2	13.32
(1,4424)	1:423:A:SER:H	1:458:A:GLU:HG2	6	13.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	10	10.59
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	10	10.59
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	10	10.59
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	5	10.54
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	5	10.54
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	5	10.54
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	13	10.54
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	13	10.54
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	13	10.54
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	20	10.54
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	20	10.54
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	20	10.54
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	19	10.53
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	19	10.53
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	19	10.53
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	8	10.51
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	8	10.51
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	8	10.51
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	16	10.5
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	16	10.5
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	16	10.5
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	7	10.48
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	7	10.48
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	7	10.48
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	15	10.48
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	15	10.48
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	15	10.48
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	1	10.47
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	1	10.47
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	1	10.47
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	17	10.47
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	17	10.47
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	17	10.47
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	4	10.46
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	4	10.46
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	4	10.46
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	2	10.45
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	2	10.45
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	2	10.45
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	14	10.45
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	14	10.45
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	14	10.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	18	10.44
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	18	10.44
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	18	10.44
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	11	10.43
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	11	10.43
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	11	10.43
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	4	10.43
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	3	10.4
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	3	10.4
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	3	10.4
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	12	10.4
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	12	10.39
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	12	10.39
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	12	10.39
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	3	10.38
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	6	10.36
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	6	10.36
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	6	10.36
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	15	10.29
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	7	10.28
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	13	10.25
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	18	10.24
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	5	10.23
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	16	10.23
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	14	10.22
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	10	10.21
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	1	10.2
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	17	10.19
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	8	10.18
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	11	10.18
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	19	10.18
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	6	10.11
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	20	10.05
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	9	10.04
(1,3937)	1:460:A:GLY:H	1:443:A:ILE:HG12	2	9.99
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG21	9	9.62
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG22	9	9.62
(1,4978)	1:461:A:THR:H	1:362:A:VAL:HG23	9	9.62
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	1	8.74
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	18	8.69
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	16	8.65
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	15	8.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	9	8.62
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	19	8.62
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	14	8.61
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	13	8.6
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	17	8.6
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	20	8.58
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	4	8.55
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	8	8.54
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	2	8.43
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	12	8.42
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	5	8.38
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	7	8.37
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	10	8.35
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	6	8.3
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	3	8.29
(1,4936)	1:425:A:TRP:HE1	1:419:A:GLY:HA2	11	8.28
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	1	7.97
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	9	7.93
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	8	7.84
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	2	7.78
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	15	7.55
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	3	7.52
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	5	7.51
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	6	7.5
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	18	7.46
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	10	7.36
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	13	7.35
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	17	7.23
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	12	7.17
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	19	7.17
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	20	7.13
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	11	7.12
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	4	6.98
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	8	6.98
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	13	6.94
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	6	6.93
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	14	6.92
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	14	6.89
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	20	6.88
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	16	6.86
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	19	6.86
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	10	6.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	7	6.8
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	7	6.8
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	18	6.79
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	3	6.78
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	1	6.75
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	12	6.75
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	17	6.75
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	11	6.71
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	15	6.67
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	4	6.65
(1,4835)	1:425:A:TRP:HE1	1:397:A:ASN:HD21	16	6.62
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	9	6.58
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	2	6.52
(1,4216)	1:360:A:GLY:H	1:464:A:LEU:HB3	5	6.31
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	9	5.56
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	16	5.48
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	4	5.45
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	15	5.45
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	18	5.45
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	3	5.42
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	19	5.41
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	12	5.4
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	2	5.39
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	13	5.39
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	10	5.37
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	17	5.36
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	7	5.35
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	11	5.35
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	1	5.32
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	8	5.32
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	14	5.31
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	20	5.3
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	5	5.21
(1,4217)	1:374:A:THR:H	1:437:A:ARG:HA	6	5.17
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	4	5.04
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	3	5.02
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	2	4.93
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	5	4.93
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	20	4.93
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	3	4.91
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	4	4.91
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	1	4.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	9	4.9
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	8	4.89
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	15	4.89
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	7	4.88
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	14	4.88
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	17	4.88
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	6	4.87
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	11	4.87
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	12	4.87
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	19	4.87
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	13	4.86
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	16	4.86
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	11	4.84
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	18	4.84
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	18	4.84
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	16	4.83
(1,4661)	1:355:A:TRP:HE1	1:348:A:ASP:HA	10	4.82
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	7	4.81
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	17	4.81
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	12	4.79
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	14	4.78
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	10	4.76
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	20	4.75
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	5	4.74
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	8	4.74
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	17	4.74
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	13	4.73
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	9	4.7
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	11	4.7
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	19	4.7
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	19	4.69
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	1	4.68
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	6	4.68
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	4	4.68
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	12	4.68
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	8	4.67
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	2	4.66
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	13	4.66
(1,4827)	1:369:A:VAL:H	1:410:A:TRP:HZ3	15	4.65
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	1	4.65
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	10	4.65
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	15	4.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	9	4.63
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	18	4.63
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	14	4.62
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	20	4.62
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	16	4.6
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	3	4.5
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	2	4.49
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	5	4.49
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	6	4.45
(1,3915)	1:459:A:LYS:H	1:455:A:GLY:H	7	4.44
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	3	4.32
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	7	4.28
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	4	4.24
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	5	4.24
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	6	4.24
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	2	4.22
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	15	4.18
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	9	4.15
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	20	4.15
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	1	4.12
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	16	4.11
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	14	4.11
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	12	4.1
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	13	4.09
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	18	4.08
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	8	4.06
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	16	4.06
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	17	4.06
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	10	4.05
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	10	4.05
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	19	4.05
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	5	4.02
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	9	3.98
(1,4524)	1:388:A:GLU:H	1:410:A:TRP:HH2	11	3.98
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	3	3.94
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	7	3.91
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	16	3.91
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	13	3.89
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	4	3.89
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	12	3.89
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	15	3.89
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	3	3.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	5	3.88
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	13	3.87
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	17	3.87
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	20	3.87
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	1	3.86
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	2	3.86
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	11	3.86
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	14	3.86
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	18	3.86
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	6	3.85
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	9	3.85
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	10	3.85
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	8	3.84
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	18	3.74
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	3	3.73
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	8	3.71
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	18	3.71
(1,4768)	1:422:A:ASP:H	1:447:A:PRO:HB2	19	3.7
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	2	3.7
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	19	3.7
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	4	3.7
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	13	3.68
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	20	3.68
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	5	3.67
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	8	3.67
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	1	3.66
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	17	3.65
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	3	3.65
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	15	3.64
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	10	3.62
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	12	3.62
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	17	3.61
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	11	3.6
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	16	3.59
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	19	3.59
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	13	3.58
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	10	3.58
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	19	3.57
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	8	3.57
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	17	3.57
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	4	3.56
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	7	3.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	7	3.56
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	9	3.55
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	10	3.54
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	11	3.54
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	7	3.53
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	16	3.53
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	2	3.53
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	13	3.53
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	11	3.52
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	12	3.52
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	14	3.51
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	15	3.51
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	18	3.51
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	7	3.51
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	12	3.5
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	4	3.5
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	12	3.5
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	19	3.5
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	20	3.5
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	14	3.5
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	16	3.5
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	3	3.5
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	13	3.49
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	6	3.49
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	11	3.49
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	1	3.48
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	14	3.48
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	15	3.48
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	16	3.48
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	9	3.47
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	20	3.46
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	16	3.46
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	4	3.45
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	10	3.45
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	17	3.44
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	8	3.44
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	8	3.44
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	1	3.43
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	20	3.43
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	14	3.43
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	1	3.42
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	19	3.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4379)	1:350:A:GLU:H	1:352:A:GLN:HB2	5	3.4
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	6	3.4
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	2	3.39
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	5	3.39
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	12	3.38
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	5	3.38
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	10	3.38
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	11	3.38
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	13	3.38
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	15	3.38
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	12	3.37
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	13	3.37
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	19	3.35
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	1	3.35
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	6	3.35
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	17	3.35
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	2	3.35
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	17	3.35
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	18	3.34
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	5	3.34
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	9	3.34
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	15	3.34
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	19	3.33
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	16	3.33
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	18	3.33
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	20	3.33
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	2	3.32
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	3	3.32
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	7	3.32
(1,887)	1:440:A:HIS:HB2	1:371:A:GLY:HA3	9	3.32
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	4	3.31
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	14	3.31
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	18	3.31
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	20	3.31
(1,4693)	1:355:A:TRP:HE1	1:361:A:LYS:HA	6	3.3
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	3	3.3
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	8	3.3
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	2	3.3
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	8	3.3
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	19	3.3
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	1	3.29
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	1	3.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	1	3.28
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	2	3.28
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	11	3.28
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	6	3.27
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	7	3.27
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	12	3.27
(1,4132)	1:433:A:LEU:H	1:437:A:ARG:HA	3	3.27
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	17	3.26
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	20	3.26
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	4	3.26
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	7	3.26
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	10	3.25
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	20	3.25
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	11	3.24
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	7	3.24
(1,4383)	1:458:A:GLU:H	1:455:A:GLY:H	6	3.24
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	11	3.23
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	10	3.22
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	6	3.22
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	10	3.21
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	3	3.19
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	15	3.18
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	14	3.17
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	6	3.17
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	12	3.15
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	5	3.15
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	14	3.15
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	8	3.14
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	13	3.14
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	17	3.14
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	9	3.11
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	4	3.1
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	18	3.09
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	1	3.07
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	13	3.07
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	20	3.07
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	10	3.07
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	20	3.07
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	3	3.07
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	3	3.06
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	15	3.06
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	14	3.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	11	3.06
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	7	3.06
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	12	3.06
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	13	3.06
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	15	3.06
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	7	3.06
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	12	3.06
(1,4398)	1:430:A:GLY:H	1:437:A:ARG:HB2	16	3.05
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	12	3.05
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	14	3.05
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	15	3.05
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	2	3.05
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	6	3.05
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	11	3.05
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	14	3.05
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	15	3.04
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	2	3.04
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	7	3.04
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	19	3.04
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	19	3.04
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	11	3.04
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	8	3.03
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	13	3.03
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	18	3.03
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	4	3.03
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	5	3.03
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	6	3.03
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	16	3.03
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	17	3.03
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	1	3.03
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	4	3.03
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	8	3.03
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	16	3.03
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	17	3.03
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	3	3.02
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	8	3.02
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	9	3.02
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	9	3.02
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	10	3.02
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	10	3.01
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	3	3.01
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	18	3.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	6	3.01
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	17	3.0
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	1	2.99
(1,1330)	1:374:A:THR:HB	1:373:A:PRO:HA	10	2.99
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	16	2.99
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	19	2.98
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	5	2.98
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	5	2.96
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	18	2.96
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	4	2.96
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	8	2.96
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	5	2.95
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	12	2.95
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	5	2.95
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	12	2.95
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	13	2.94
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	18	2.94
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	19	2.94
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	13	2.94
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	18	2.94
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	19	2.94
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	1	2.94
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	17	2.93
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	4	2.93
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	4	2.93
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	14	2.92
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	12	2.91
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	15	2.91
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	17	2.91
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	15	2.91
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	17	2.91
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	18	2.91
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	5	2.91
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	16	2.9
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	16	2.9
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	20	2.9
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	9	2.89
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	11	2.89
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	3	2.89
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	9	2.89
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	11	2.89
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	3	2.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	9	2.89
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	11	2.89
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	5	2.89
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	19	2.89
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	15	2.89
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	7	2.88
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	2	2.88
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	6	2.88
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	10	2.88
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	14	2.88
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	6	2.88
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	10	2.88
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	14	2.88
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	14	2.88
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	16	2.88
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	19	2.88
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	7	2.87
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	6	2.87
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	15	2.87
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	1	2.87
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	2	2.87
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	7	2.87
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	8	2.87
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	1	2.87
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	2	2.87
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	7	2.87
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	8	2.87
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	13	2.87
(1,1408)	1:400:A:GLY:HA3	1:401:A:THR:HB	20	2.86
(1,1027)	1:401:A:THR:HB	1:400:A:GLY:HA3	20	2.86
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	2	2.86
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	11	2.86
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	13	2.86
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	4	2.85
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	7	2.85
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	3	2.84
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	15	2.84
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	17	2.84
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	17	2.84
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	6	2.83
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	9	2.83
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	14	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	3	2.82
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	6	2.82
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	7	2.82
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	2	2.82
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	20	2.82
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	19	2.81
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	2	2.81
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	15	2.81
(1,4721)	1:428:A:GLU:H	1:437:A:ARG:HA	16	2.8
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	15	2.8
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	8	2.8
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	13	2.79
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	15	2.79
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	19	2.79
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	2	2.79
(1,4958)	1:360:A:GLY:H	1:342:A:ASP:HB3	9	2.79
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	14	2.79
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	20	2.79
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	4	2.78
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	10	2.78
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	11	2.78
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	20	2.78
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	12	2.78
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	1	2.78
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	5	2.78
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	13	2.78
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	16	2.78
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	19	2.78
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	4	2.78
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	18	2.78
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	12	2.77
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	18	2.77
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	3	2.77
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	15	2.77
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	5	2.77
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	13	2.77
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	10	2.77
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	18	2.77
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	17	2.77
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	17	2.76
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	4	2.76
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	8	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	11	2.76
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	9	2.75
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	14	2.75
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	16	2.75
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	19	2.75
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	12	2.75
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	12	2.75
(1,296)	1:440:A:HIS:HB3	1:371:A:GLY:HA3	9	2.75
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	1	2.74
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	16	2.74
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	2	2.74
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	7	2.74
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	10	2.74
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	6	2.74
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	20	2.74
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	4	2.74
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	17	2.74
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	10	2.74
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	4	2.73
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	13	2.73
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	20	2.73
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	2	2.73
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	18	2.73
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	6	2.72
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	5	2.72
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	3	2.72
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	14	2.72
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	7	2.72
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	11	2.72
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	15	2.72
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	14	2.72
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	2	2.71
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	3	2.71
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	7	2.71
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	1	2.71
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	8	2.71
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	13	2.71
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	14	2.71
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	16	2.71
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	6	2.71
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	11	2.71
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	20	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	8	2.7
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	6	2.7
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	8	2.7
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	8	2.7
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	10	2.7
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	15	2.7
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	17	2.7
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	18	2.7
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	1	2.7
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	3	2.7
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	6	2.7
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	11	2.69
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	1	2.69
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	17	2.69
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	1	2.69
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	3	2.69
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	19	2.69
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	8	2.69
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	18	2.68
(1,4560)	1:425:A:TRP:HE1	1:427:A:PRO:HA	16	2.68
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	12	2.68
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	12	2.68
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	12	2.68
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	2	2.68
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	4	2.68
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	7	2.68
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	8	2.68
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	9	2.68
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	13	2.68
(1,741)	1:396:A:THR:HB	1:395:A:GLY:HA2	9	2.68
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	17	2.67
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	20	2.67
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	5	2.67
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	12	2.67
(1,811)	1:400:A:GLY:HA2	1:401:A:THR:HB	16	2.67
(1,5006)	1:409:A:TYR:H	1:410:A:TRP:HD1	5	2.66
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	11	2.66
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	11	2.66
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	11	2.66
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	11	2.66
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	15	2.66
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	15	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	15	2.66
(1,4742)	1:355:A:TRP:HE1	1:364:A:LEU:HA	9	2.65
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	12	2.65
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	5	2.65
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	5	2.65
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	5	2.65
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	8	2.65
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	8	2.65
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	8	2.65
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	17	2.65
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	17	2.65
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	17	2.65
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	18	2.65
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	18	2.65
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	18	2.65
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	10	2.65
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	6	2.64
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	6	2.64
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	6	2.64
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	10	2.63
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	7	2.63
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	7	2.63
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	7	2.63
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	20	2.63
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	20	2.63
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	20	2.63
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	1	2.62
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	17	2.62
(1,3989)	1:356:A:TYR:H	1:456:A:MET:HG3	9	2.62
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	1	2.61
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	1	2.61
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	1	2.61
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	15	2.6
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	19	2.6
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	3	2.6
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	3	2.6
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	3	2.6
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	14	2.6
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	14	2.6
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	14	2.6
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	19	2.59
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	19	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	19	2.59
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	3	2.58
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	16	2.58
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	16	2.58
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	16	2.58
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	9	2.58
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	4	2.57
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	18	2.57
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	9	2.56
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	9	2.56
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	9	2.56
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	9	2.56
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	10	2.56
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	14	2.56
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	1	2.55
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	19	2.55
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	7	2.54
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	15	2.54
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	10	2.53
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	3	2.53
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	3	2.53
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	3	2.53
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	20	2.53
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	4	2.53
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	9	2.53
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	5	2.52
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	7	2.52
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	6	2.52
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	10	2.52
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	11	2.52
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	12	2.52
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	13	2.52
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	16	2.52
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	17	2.52
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	1	2.52
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	1	2.52
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	1	2.52
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	4	2.52
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	3	2.52
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	6	2.52
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	17	2.52
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	4	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	4	2.51
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	4	2.51
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	3	2.51
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	2	2.51
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	4	2.51
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	5	2.51
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	8	2.51
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	9	2.51
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	14	2.51
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	15	2.51
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	18	2.51
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	19	2.51
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	20	2.51
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	19	2.51
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	19	2.51
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	19	2.51
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	6	2.51
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	12	2.51
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	2	2.51
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	8	2.51
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	20	2.51
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	2	2.5
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	1	2.5
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	3	2.5
(1,3796)	1:355:A:TRP:HZ2	1:355:A:TRP:HE1	7	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	2	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	2	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	2	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	5	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	5	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	5	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	6	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	6	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	6	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	8	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	8	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	8	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	10	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	10	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	10	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	12	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	12	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	12	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	14	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	14	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	14	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	20	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	20	2.5
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	20	2.5
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	3	2.5
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	19	2.5
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	5	2.5
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	16	2.5
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	4	2.49
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	7	2.49
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	7	2.49
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	7	2.49
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	13	2.49
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	13	2.49
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	13	2.49
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	1	2.49
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	13	2.48
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	13	2.48
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	13	2.48
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	15	2.48
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	15	2.48
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	15	2.48
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	17	2.48
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	17	2.48
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	17	2.48
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	7	2.48
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	8	2.48
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	16	2.48
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	1	2.48
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	14	2.48
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	15	2.47
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	14	2.47
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	16	2.47
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	17	2.47
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	4	2.47
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	4	2.47
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	4	2.47
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	11	2.47
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	11	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	11	2.47
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	17	2.47
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	13	2.47
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	18	2.47
(1,4335)	1:357:A:TYR:H	1:359:A:ASP:H	2	2.46
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	6	2.46
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	2	2.46
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	5	2.46
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	11	2.46
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	15	2.46
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	16	2.46
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	11	2.46
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	14	2.46
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	10	2.45
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	10	2.45
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	10	2.45
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	18	2.45
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	18	2.45
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	18	2.45
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	1	2.45
(1,1786)	1:374:A:THR:HA	1:375:A:THR:HB	12	2.45
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	5	2.44
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	6	2.44
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	16	2.44
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	16	2.44
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	16	2.44
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	13	2.44
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	14	2.44
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	9	2.44
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	17	2.43
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG21	2	2.41
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG22	2	2.41
(1,3859)	1:415:A:TRP:HD1	1:416:A:THR:HG23	2	2.41
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	4	2.41
(1,2626)	1:427:A:PRO:HA	1:428:A:GLU:HB3	18	2.41
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	18	2.41
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	20	2.4
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	7	2.4
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	14	2.4
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	20	2.4
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	5	2.39
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	19	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	1	2.38
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	10	2.38
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	3	2.38
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	14	2.38
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	16	2.38
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	4	2.37
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	13	2.37
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	20	2.36
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	2	2.36
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	11	2.36
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	3	2.36
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	12	2.36
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	4	2.35
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	7	2.35
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	12	2.34
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	15	2.34
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	17	2.34
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	13	2.33
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	10	2.33
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	18	2.33
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	13	2.32
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	11	2.32
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	1	2.32
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	8	2.32
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	9	2.32
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	5	2.31
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	14	2.31
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	10	2.31
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	9	2.3
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	20	2.3
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	11	2.29
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	4	2.29
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	6	2.29
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	13	2.29
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	8	2.28
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	14	2.28
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	9	2.28
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	4	2.28
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	15	2.28
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	19	2.28
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	1	2.28
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	8	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	9	2.27
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	19	2.27
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	18	2.27
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	17	2.27
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	20	2.27
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	2	2.27
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	17	2.27
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	20	2.27
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	7	2.26
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	13	2.26
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	18	2.26
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	1	2.26
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	2	2.26
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	6	2.26
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	14	2.25
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	12	2.25
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	11	2.25
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	3	2.25
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	18	2.24
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	2	2.24
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	16	2.24
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	5	2.24
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	13	2.24
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	5	2.24
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	8	2.24
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	19	2.24
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	10	2.24
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	8	2.24
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	9	2.24
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	19	2.23
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	9	2.23
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	16	2.23
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	1	2.23
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	5	2.23
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	16	2.23
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	11	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	1	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	2	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	3	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	4	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	5	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	6	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	7	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	8	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	9	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	10	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	11	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	12	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	13	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	14	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	15	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	16	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	17	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	18	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	19	2.23
(1,199)	1:439:A:SER:HB3	1:439:A:SER:HB2	20	2.23
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	8	2.22
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	13	2.22
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	15	2.22
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	13	2.22
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	15	2.22
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	2	2.22
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	12	2.22
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	20	2.22
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	12	2.21
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	2	2.21
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	3	2.21
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	4	2.21
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	10	2.21
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	12	2.2
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	1	2.2
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	3	2.2
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	6	2.2
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	11	2.19
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	7	2.19
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	8	2.19
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	12	2.19
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	8	2.18
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	13	2.18
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	18	2.18
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	11	2.18
(1,394)	1:395:A:GLY:HA2	1:396:A:THR:HB	9	2.18
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	7	2.18
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	3	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	5	2.17
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	8	2.17
(1,1545)	1:398:A:ASP:HA	1:399:A:ASP:HB3	12	2.17
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	2	2.17
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	5	2.17
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	11	2.17
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	20	2.17
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	12	2.17
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	6	2.17
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	5	2.16
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	3	2.15
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	4	2.15
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	7	2.15
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	15	2.15
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	17	2.15
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	5	2.14
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	18	2.14
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	19	2.14
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	11	2.14
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	1	2.14
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	20	2.14
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	1	2.14
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	2	2.14
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	11	2.14
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	6	2.14
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	9	2.14
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	19	2.14
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	6	2.13
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	17	2.13
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	20	2.13
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	16	2.13
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	10	2.12
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	17	2.12
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	1	2.12
(1,4201)	1:425:A:TRP:HE1	1:437:A:ARG:HA	19	2.12
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	9	2.12
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	18	2.12
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	12	2.12
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	20	2.12
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	10	2.11
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	2	2.11
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	2	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	9	2.11
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	8	2.11
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	18	2.11
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	7	2.11
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	10	2.11
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	13	2.11
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	12	2.11
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	7	2.1
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	16	2.1
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	9	2.1
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	18	2.1
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	3	2.1
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	7	2.1
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	17	2.1
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	20	2.1
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	16	2.1
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	8	2.1
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	19	2.09
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	14	2.09
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	9	2.09
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	4	2.09
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	14	2.09
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	15	2.09
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	17	2.09
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	19	2.09
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	1	2.09
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	14	2.09
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	11	2.09
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	11	2.08
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	5	2.08
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	12	2.08
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	10	2.08
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	2	2.08
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	6	2.08
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	9	2.08
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	11	2.08
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	12	2.08
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	17	2.08
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	18	2.08
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	4	2.08
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	5	2.08
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	5	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	5	2.08
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	10	2.08
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	14	2.08
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	11	2.08
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	17	2.08
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	6	2.07
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	15	2.07
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	20	2.07
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	7	2.07
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	4	2.07
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	10	2.07
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	15	2.07
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	6	2.07
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	10	2.07
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	4	2.07
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	7	2.07
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	8	2.07
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	15	2.07
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	20	2.07
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	12	2.07
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	12	2.07
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	12	2.07
(1,1101)	1:350:A:GLU:HA	1:351:A:ASN:HB3	5	2.07
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	6	2.06
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	14	2.06
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	6	2.06
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	5	2.06
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	1	2.06
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	7	2.06
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	17	2.06
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	15	2.06
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	15	2.06
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	15	2.06
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	9	2.06
(1,884)	1:461:A:THR:HB	1:462:A:PRO:HB3	1	2.06
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	2	2.06
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	12	2.05
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	14	2.05
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	8	2.05
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	13	2.05
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	16	2.05
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	18	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	3	2.05
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	3	2.05
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	3	2.05
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	3	2.05
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	3	2.05
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	3	2.05
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	6	2.05
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	6	2.05
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	6	2.05
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	6	2.05
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	6	2.05
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	6	2.05
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	2	2.05
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	10	2.05
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	12	2.05
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	3	2.05
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	5	2.05
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	13	2.05
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	6	2.05
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	6	2.05
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	6	2.05
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	5	2.05
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	16	2.05
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	20	2.05
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	5	2.05
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	12	2.05
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	15	2.04
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	16	2.04
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	3	2.04
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	15	2.04
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	1	2.04
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	2	2.04
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	2	2.04
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	2	2.04
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	2	2.04
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	2	2.04
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	2	2.04
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	7	2.04
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	7	2.04
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	7	2.04
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	7	2.04
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	7	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	7	2.04
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	8	2.04
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	8	2.04
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	8	2.04
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	8	2.04
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	8	2.04
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	8	2.04
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	20	2.04
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	20	2.04
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	20	2.04
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	20	2.04
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	20	2.04
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	20	2.04
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	9	2.04
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	17	2.04
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	19	2.04
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	1	2.04
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	4	2.04
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	17	2.04
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	1	2.04
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	10	2.04
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	16	2.04
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	19	2.04
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	2	2.04
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	16	2.04
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	16	2.04
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	16	2.04
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	1	2.04
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	5	2.04
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	12	2.04
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	2	2.04
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	5	2.03
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	11	2.03
(1,4276)	1:435:A:LYS:H	1:437:A:ARG:HA	19	2.03
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	16	2.03
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	10	2.03
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	10	2.03
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	10	2.03
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	10	2.03
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	10	2.03
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	10	2.03
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	3	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	7	2.03
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	8	2.03
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	9	2.03
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	11	2.03
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	13	2.03
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	14	2.03
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	16	2.03
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	18	2.03
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	20	2.03
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	7	2.03
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	8	2.03
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	15	2.03
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	5	2.03
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	12	2.03
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	1	2.03
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	6	2.03
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	10	2.03
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	10	2.03
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	10	2.03
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	8	2.03
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	9	2.03
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	16	2.03
(1,4690)	1:388:A:GLU:H	1:459:A:LYS:HG2	2	2.02
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	4	2.02
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	20	2.02
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	4	2.02
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	2	2.02
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	6	2.02
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	11	2.02
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	13	2.02
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	20	2.02
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	10	2.02
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	14	2.02
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	19	2.02
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	3	2.02
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	3	2.02
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	3	2.02
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	16	2.02
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	11	2.02
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	13	2.01
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	20	2.01
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	5	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	5	2.01
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	5	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	5	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	5	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	5	2.01
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	9	2.01
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	9	2.01
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	9	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	9	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	9	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	9	2.01
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	13	2.01
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	13	2.01
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	13	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	13	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	13	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	13	2.01
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	18	2.01
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	18	2.01
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	18	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	18	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	18	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	18	2.01
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	19	2.01
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	19	2.01
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	19	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	19	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	19	2.01
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	19	2.01
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	3	2.01
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	5	2.01
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	14	2.01
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	16	2.01
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	18	2.01
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	19	2.01
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	9	2.01
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	20	2.01
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	20	2.01
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	7	2.01
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	7	2.01
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	7	2.01
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	18	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	6	2.0
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	6	2.0
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	18	2.0
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	7	2.0
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	16	2.0
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	16	2.0
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	16	2.0
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	16	2.0
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	16	2.0
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	16	2.0
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	8	2.0
(1,2907)	1:421:A:HIS:HB3	1:410:A:TRP:HE3	9	2.0
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	16	2.0
(1,2537)	1:408:A:ASN:HA	1:409:A:TYR:HB3	3	2.0
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	13	2.0
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	13	2.0
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	13	2.0
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	14	2.0
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	14	2.0
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	14	2.0
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	14	2.0
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	19	2.0
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	2	1.99
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	6	1.99
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	13	1.99
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	1	1.99
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	20	1.99
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	15	1.99
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	15	1.99
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	15	1.99
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	15	1.99
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	15	1.99
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	15	1.99
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	9	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	4	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	4	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	4	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	8	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	8	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	8	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	9	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	9	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	11	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	11	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	11	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	17	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	17	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	17	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	19	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	19	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	19	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	20	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	20	1.99
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	20	1.99
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	4	1.99
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	13	1.99
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	1	1.98
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	8	1.98
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	15	1.98
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	19	1.98
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	8	1.98
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	11	1.98
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	4	1.98
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	4	1.98
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	4	1.98
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	4	1.98
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	4	1.98
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	4	1.98
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	12	1.98
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	14	1.98
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	15	1.98
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	18	1.98
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	3	1.98
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	4	1.98
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	18	1.98
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	18	1.98
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	18	1.98
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	4	1.97
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	14	1.97
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	16	1.97
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	17	1.97
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	19	1.97
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	11	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	11	1.97
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	11	1.97
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	11	1.97
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	11	1.97
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	11	1.97
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	12	1.97
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	12	1.97
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	12	1.97
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	12	1.97
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	12	1.97
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	12	1.97
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	17	1.97
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	17	1.97
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	17	1.97
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	17	1.97
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	17	1.97
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	17	1.97
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	3	1.97
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	1	1.97
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	1	1.97
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	1	1.97
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	1	1.97
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG21	2	1.97
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG22	2	1.97
(1,1340)	1:421:A:HIS:HB2	1:407:A:VAL:HG23	2	1.97
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	7	1.97
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	15	1.97
(1,169)	1:395:A:GLY:HA3	1:396:A:THR:HB	20	1.97
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	6	1.96
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	18	1.96
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	20	1.96
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	11	1.96
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	7	1.96
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	8	1.96
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	12	1.96
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	10	1.96
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	13	1.96
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	11	1.95
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	11	1.95
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	12	1.95
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	12	1.95
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	19	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	12	1.95
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	5	1.95
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	14	1.95
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	18	1.95
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	19	1.95
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	10	1.95
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	20	1.94
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	12	1.94
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	12	1.94
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	12	1.94
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	5	1.94
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	5	1.94
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	5	1.94
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	20	1.94
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	20	1.94
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	20	1.94
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	2	1.94
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	5	1.94
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	16	1.94
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	7	1.93
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	8	1.93
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	10	1.93
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	15	1.93
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	17	1.93
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	10	1.93
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	10	1.93
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	10	1.93
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	14	1.93
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	14	1.93
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	14	1.93
(1,1897)	1:387:A:LYS:HB3	1:454:A:PHE:HZ	1	1.93
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	11	1.93
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	12	1.92
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	12	1.92
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	14	1.92
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	18	1.92
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	7	1.92
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	7	1.92
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	2	1.92
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	2	1.92
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	2	1.92
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	7	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	7	1.92
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	7	1.92
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	3	1.92
(1,1897)	1:387:A:LYS:HB3	1:454:A:PHE:HZ	16	1.92
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	7	1.92
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	15	1.92
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	4	1.91
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	8	1.91
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	16	1.91
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	5	1.91
(1,4425)	1:426:A:GLN:H	1:427:A:PRO:HB2	2	1.91
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	6	1.91
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	6	1.91
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	6	1.91
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	15	1.91
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	15	1.91
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	15	1.91
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	11	1.91
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	11	1.91
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	11	1.91
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	17	1.91
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	17	1.91
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	17	1.91
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	19	1.91
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	8	1.91
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	4	1.9
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	4	1.9
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	1	1.9
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	9	1.9
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	12	1.9
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	12	1.9
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	12	1.9
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	18	1.9
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	18	1.9
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	18	1.9
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	19	1.9
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	19	1.9
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	19	1.9
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	1	1.9
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	1	1.9
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	1	1.9
(1,1897)	1:387:A:LYS:HB3	1:454:A:PHE:HZ	8	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1897)	1:387:A:LYS:HB3	1:454:A:PHE:HZ	11	1.9
(1,1897)	1:387:A:LYS:HB3	1:454:A:PHE:HZ	12	1.9
(1,1897)	1:387:A:LYS:HB3	1:454:A:PHE:HZ	14	1.9
(1,1897)	1:387:A:LYS:HB3	1:454:A:PHE:HZ	18	1.9
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	16	1.89
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	16	1.89
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	1	1.89
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	11	1.89
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	3	1.89
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	12	1.89
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	11	1.89
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	11	1.89
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	11	1.89
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	13	1.89
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	13	1.89
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	13	1.89
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	18	1.89
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	18	1.89
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	18	1.89
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	15	1.89
(1,1897)	1:387:A:LYS:HB3	1:454:A:PHE:HZ	17	1.89
(1,1897)	1:387:A:LYS:HB3	1:454:A:PHE:HZ	19	1.89
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	2	1.89
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	5	1.88
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	5	1.88
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	13	1.88
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	13	1.88
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	3	1.88
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	13	1.88
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	9	1.88
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	17	1.88
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	12	1.88
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	20	1.88
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	20	1.88
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	20	1.88
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	8	1.88
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	8	1.88
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	8	1.88
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	19	1.88
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	19	1.88
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	19	1.88
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	6	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	17	1.88
(1,1897)	1:387:A:LYS:HB3	1:454:A:PHE:HZ	9	1.88
(1,1897)	1:387:A:LYS:HB3	1:454:A:PHE:HZ	15	1.88
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	13	1.88
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	6	1.88
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	12	1.88
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	9	1.88
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	2	1.87
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	13	1.87
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	4	1.87
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	7	1.87
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	7	1.87
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	7	1.87
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	14	1.87
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	14	1.87
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	14	1.87
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	2	1.87
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	3	1.87
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	7	1.87
(1,1897)	1:387:A:LYS:HB3	1:454:A:PHE:HZ	10	1.87
(1,1897)	1:387:A:LYS:HB3	1:454:A:PHE:HZ	13	1.87
(1,1897)	1:387:A:LYS:HB3	1:454:A:PHE:HZ	20	1.87
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	8	1.87
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	1	1.87
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	8	1.87
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	17	1.86
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	17	1.86
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	8	1.86
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	18	1.86
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	13	1.86
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	16	1.86
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	1	1.86
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	5	1.86
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	8	1.86
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	12	1.86
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	19	1.86
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	3	1.86
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	19	1.85
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	19	1.85
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	19	1.85
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	7	1.85
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	7	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	9	1.85
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	19	1.85
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	10	1.85
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	1	1.85
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	1	1.85
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	1	1.85
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	3	1.85
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	3	1.85
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	3	1.85
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	4	1.85
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	4	1.85
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	4	1.85
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	8	1.85
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	8	1.85
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	8	1.85
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	17	1.85
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	17	1.85
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	17	1.85
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	4	1.85
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	4	1.85
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	4	1.85
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	4	1.85
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	11	1.85
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	13	1.85
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	14	1.85
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	17	1.85
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	18	1.85
(1,1897)	1:387:A:LYS:HB3	1:454:A:PHE:HZ	4	1.85
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	4	1.85
(1,1520)	1:359:A:ASP:HB2	1:360:A:GLY:HA2	17	1.85
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	6	1.85
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	6	1.85
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	4	1.84
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	10	1.84
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	16	1.84
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	9	1.84
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	9	1.84
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	9	1.84
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	9	1.84
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	15	1.84
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	16	1.84
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	18	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	16	1.84
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	11	1.84
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	4	1.84
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	10	1.83
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	10	1.83
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	15	1.83
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	15	1.83
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	18	1.83
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	18	1.83
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	19	1.83
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	19	1.83
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	20	1.83
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	5	1.83
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	9	1.83
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	6	1.83
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	6	1.83
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	6	1.83
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	6	1.83
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	6	1.83
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	6	1.83
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	3	1.83
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	3	1.83
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	3	1.83
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	20	1.83
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	10	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	1	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	2	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	3	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	4	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	5	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	6	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	7	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	8	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	9	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	10	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	11	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	12	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	13	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	14	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	15	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	16	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	17	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	19	1.83
(1,3172)	1:412:A:PRO:HG2	1:412:A:PRO:HG3	20	1.83
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	20	1.83
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	7	1.82
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	11	1.82
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	17	1.82
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	4	1.82
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	4	1.82
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	4	1.82
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	9	1.82
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	9	1.82
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	9	1.82
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	2	1.82
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	3	1.82
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	5	1.82
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	13	1.82
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	4	1.82
(1,4890)	1:445:A:THR:H	1:423:A:SER:HB2	16	1.81
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	2	1.81
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	3	1.81
(1,4522)	1:399:A:ASP:H	1:396:A:THR:HA	12	1.81
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	5	1.81
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	1	1.81
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	3	1.81
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	3	1.81
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	3	1.81
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	2	1.81
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	2	1.81
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	2	1.81
(1,3515)	1:458:A:GLU:HA	1:459:A:LYS:HB3	10	1.81
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	6	1.81
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	8	1.81
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	9	1.81
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	11	1.81
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	20	1.81
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	16	1.81
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	20	1.81
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	17	1.81
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	3	1.81
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	6	1.81
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	12	1.81
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	17	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	18	1.81
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	11	1.81
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	3	1.81
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	14	1.8
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	14	1.8
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	20	1.8
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	20	1.8
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	14	1.8
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	7	1.8
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	20	1.8
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG11	16	1.8
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG12	16	1.8
(1,3635)	1:421:A:HIS:HE1	1:407:A:VAL:HG13	16	1.8
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	16	1.8
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	16	1.8
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	16	1.8
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	1	1.8
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	4	1.8
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	7	1.8
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	12	1.8
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	15	1.8
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	1	1.8
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	16	1.8
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	3	1.8
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	19	1.8
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	1	1.8
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	8	1.8
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	13	1.8
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	14	1.8
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	19	1.8
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	9	1.8
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	10	1.8
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	9	1.79
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	15	1.79
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	20	1.79
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	1	1.79
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	1	1.79
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	1	1.79
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	6	1.79
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	6	1.79
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	6	1.79
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	8	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	8	1.79
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	8	1.79
(1,4640)	1:407:A:VAL:H	1:405:A:SER:HA	16	1.79
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	4	1.79
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	4	1.79
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	4	1.79
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	4	1.79
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	4	1.79
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	4	1.79
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	7	1.79
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	7	1.79
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	7	1.79
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	8	1.79
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	8	1.79
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	8	1.79
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	9	1.79
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	9	1.79
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	9	1.79
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	18	1.79
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	3	1.79
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	9	1.79
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	11	1.79
(1,442)	1:372:A:LYS:HB2	1:372:A:LYS:HE3	11	1.79
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	2	1.79
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	3	1.79
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	4	1.79
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	9	1.79
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	11	1.79
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	20	1.79
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	13	1.79
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	19	1.79
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	10	1.79
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	12	1.78
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	12	1.78
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	12	1.78
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	3	1.78
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	1	1.78
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	13	1.78
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	5	1.78
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	5	1.78
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	5	1.78
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	5	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	5	1.78
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	5	1.78
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	14	1.78
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	19	1.78
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	7	1.78
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	7	1.78
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	13	1.78
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	3	1.78
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	4	1.78
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	4	1.78
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	7	1.78
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	8	1.78
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	7	1.78
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	5	1.78
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	8	1.78
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	9	1.78
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	12	1.78
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	16	1.78
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	17	1.78
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	19	1.78
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	20	1.78
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	17	1.77
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	17	1.77
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	17	1.77
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	18	1.77
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	18	1.77
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	18	1.77
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	5	1.77
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	7	1.77
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	14	1.77
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	18	1.77
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	20	1.77
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	3	1.77
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	3	1.77
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	3	1.77
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	3	1.77
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	3	1.77
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	3	1.77
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	14	1.77
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	14	1.77
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	14	1.77
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	14	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	14	1.77
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	14	1.77
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	13	1.77
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	13	1.77
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	13	1.77
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	18	1.77
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	6	1.77
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	6	1.77
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	10	1.77
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	18	1.77
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	1	1.77
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	6	1.77
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	2	1.77
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	17	1.77
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	7	1.77
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	3	1.77
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	1	1.77
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	4	1.77
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	5	1.77
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	11	1.77
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	13	1.77
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	14	1.77
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	15	1.77
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	18	1.77
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	7	1.76
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	7	1.76
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	7	1.76
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	10	1.76
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	16	1.76
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	17	1.76
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	16	1.76
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	16	1.76
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	16	1.76
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	15	1.76
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	15	1.76
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	15	1.76
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	16	1.76
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	16	1.76
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	16	1.76
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	3	1.76
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	18	1.76
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	20	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	2	1.76
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	9	1.76
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	11	1.76
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	14	1.76
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	17	1.76
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	19	1.76
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	10	1.76
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	13	1.76
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	5	1.76
(1,1875)	1:341:A:GLU:HA	1:342:A:ASP:HB3	12	1.76
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	5	1.76
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	10	1.76
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	12	1.76
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	7	1.76
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	17	1.76
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	12	1.76
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	2	1.76
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	5	1.76
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	11	1.76
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	15	1.76
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	16	1.76
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	16	1.76
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	14	1.76
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	18	1.76
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	3	1.76
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	7	1.76
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	14	1.75
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	3	1.75
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	3	1.75
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	3	1.75
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	10	1.75
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	10	1.75
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	10	1.75
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	13	1.75
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	13	1.75
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	13	1.75
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	20	1.75
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	20	1.75
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	20	1.75
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	8	1.75
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	11	1.75
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	16	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	16	1.75
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	16	1.75
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	16	1.75
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	16	1.75
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	16	1.75
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	13	1.75
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	13	1.75
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	13	1.75
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	10	1.75
(1,3239)	1:448:A:SER:HA	1:449:A:VAL:HA	17	1.75
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	1	1.75
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	8	1.75
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	12	1.75
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	14	1.75
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	17	1.75
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	4	1.75
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	20	1.75
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	14	1.75
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	18	1.75
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	19	1.75
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	18	1.75
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	15	1.75
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	14	1.75
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	20	1.75
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	19	1.75
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	13	1.75
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	16	1.75
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	17	1.75
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	18	1.75
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	1	1.75
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	12	1.75
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	2	1.75
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	4	1.74
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	15	1.74
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	2	1.74
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	2	1.74
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	2	1.74
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	2	1.74
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	2	1.74
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	2	1.74
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	7	1.74
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	7	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	7	1.74
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	7	1.74
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	7	1.74
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	7	1.74
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	13	1.74
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	13	1.74
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	13	1.74
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	13	1.74
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	13	1.74
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	13	1.74
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	6	1.74
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	6	1.74
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	6	1.74
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	18	1.74
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	18	1.74
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	18	1.74
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	2	1.74
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	4	1.74
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	5	1.74
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	6	1.74
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	7	1.74
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	8	1.74
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	11	1.74
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	13	1.74
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	14	1.74
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	15	1.74
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	16	1.74
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	17	1.74
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	18	1.74
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	19	1.74
(1,2719)	1:418:A:VAL:HB	1:442:A:CYS:HB2	11	1.74
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	2	1.74
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	5	1.74
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	9	1.74
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	13	1.74
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	15	1.74
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	16	1.74
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	19	1.74
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	1	1.74
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	5	1.74
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	16	1.74
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	2	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	3	1.74
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	4	1.74
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	8	1.74
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	18	1.74
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	1	1.74
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	2	1.74
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	4	1.74
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	5	1.74
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	6	1.74
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	7	1.74
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	8	1.74
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	9	1.74
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	10	1.74
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	11	1.74
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	12	1.74
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	14	1.74
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	15	1.74
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	17	1.74
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	18	1.74
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	19	1.74
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	20	1.74
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	4	1.74
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	18	1.74
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	20	1.74
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	2	1.74
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	2	1.74
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	2	1.74
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	16	1.74
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	16	1.74
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	16	1.74
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	20	1.74
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	20	1.74
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	20	1.74
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	2	1.74
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	13	1.74
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	14	1.74
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	15	1.74
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	15	1.74
(1,22)	1:453:A:LEU:HB3	1:454:A:PHE:H	6	1.74
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	4	1.73
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	4	1.73
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	4	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	19	1.73
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	17	1.73
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	12	1.73
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	12	1.73
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	12	1.73
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	12	1.73
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	12	1.73
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	12	1.73
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	19	1.73
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	19	1.73
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	19	1.73
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	19	1.73
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	19	1.73
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	19	1.73
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	1	1.73
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	3	1.73
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	9	1.73
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	12	1.73
(1,3470)	1:364:A:LEU:HB3	1:363:A:ALA:HA	20	1.73
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	1	1.73
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	1	1.73
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	1	1.73
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	4	1.73
(1,2439)	1:344:A:TYR:HB2	1:345:A:ILE:H	11	1.73
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	8	1.73
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	11	1.73
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	19	1.73
(1,1496)	1:465:A:VAL:HA	1:465:A:VAL:HB	3	1.73
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	1	1.73
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	13	1.73
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	5	1.73
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	5	1.73
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	5	1.73
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	1	1.73
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	6	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	1	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	2	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	3	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	4	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	5	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	6	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	7	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	8	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	9	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	10	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	11	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	12	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	13	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	14	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	15	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	16	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	17	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	19	1.73
(1,765)	1:412:A:PRO:HG3	1:412:A:PRO:HG2	20	1.73
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	10	1.73
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	12	1.73
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	5	1.73
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	16	1.73
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	20	1.73
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	7	1.73
(1,4552)	1:458:A:GLU:H	1:456:A:MET:H	6	1.72
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	3	1.72
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	9	1.72
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	9	1.72
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	9	1.72
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	9	1.72
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	9	1.72
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	9	1.72
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	15	1.72
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	7	1.72
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	15	1.72
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	15	1.72
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	8	1.72
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	5	1.72
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	10	1.72
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	11	1.72
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	19	1.72
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	1	1.72
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	1	1.72
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	1	1.72
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	8	1.72
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	8	1.72
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	8	1.72
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	11	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	11	1.72
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	11	1.72
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	12	1.72
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	12	1.72
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	12	1.72
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	10	1.72
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	14	1.72
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	19	1.72
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	6	1.72
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	14	1.71
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	14	1.71
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	14	1.71
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	15	1.71
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	15	1.71
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	15	1.71
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	2	1.71
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	6	1.71
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	10	1.71
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	1	1.71
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	1	1.71
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	1	1.71
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	1	1.71
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	1	1.71
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	1	1.71
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	10	1.71
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	10	1.71
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	10	1.71
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	10	1.71
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	10	1.71
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	10	1.71
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	15	1.71
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	15	1.71
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	15	1.71
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	15	1.71
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	15	1.71
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	15	1.71
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	17	1.71
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	17	1.71
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	17	1.71
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	17	1.71
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	17	1.71
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	17	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	16	1.71
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	1	1.71
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	2	1.71
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	9	1.71
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	10	1.71
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	16	1.71
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	8	1.71
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	13	1.71
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	18	1.71
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	20	1.71
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	17	1.71
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	3	1.71
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	7	1.71
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	8	1.71
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	15	1.71
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	9	1.71
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	20	1.71
(1,632)	1:428:A:GLU:HB3	1:427:A:PRO:HA	18	1.71
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	17	1.71
(1,4500)	1:356:A:TYR:H	1:365:A:GLU:HB2	12	1.7
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	5	1.7
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	5	1.7
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	5	1.7
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	10	1.7
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	10	1.7
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	10	1.7
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	13	1.7
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	1	1.7
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	10	1.7
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	2	1.7
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	7	1.7
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	9	1.7
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	10	1.7
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	2	1.7
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	12	1.7
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	9	1.7
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	9	1.7
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	9	1.7
(1,4890)	1:445:A:THR:H	1:423:A:SER:HB2	5	1.69
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	18	1.69
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	3	1.69
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	11	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	11	1.69
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	11	1.69
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	11	1.69
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	11	1.69
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	11	1.69
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	14	1.69
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	14	1.69
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	14	1.69
(1,3080)	1:339:A:HIS:HB2	1:340:A:MET:H	5	1.69
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	5	1.69
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	4	1.69
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	5	1.69
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	6	1.69
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	8	1.69
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	11	1.69
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	17	1.69
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	13	1.69
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	13	1.69
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	13	1.69
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	14	1.69
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	14	1.69
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	14	1.69
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	2	1.69
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	1	1.69
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	3	1.69
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	10	1.69
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	2	1.69
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	12	1.69
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	19	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	1	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	1	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	1	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	2	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	2	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	2	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	4	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	4	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	4	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	5	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	5	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	5	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	6	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	6	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	6	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	7	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	7	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	7	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	8	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	8	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	8	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	10	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	10	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	10	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	12	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	12	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	12	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	13	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	13	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	13	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	14	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	14	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	14	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	15	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	15	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	15	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	17	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	17	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	17	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	18	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	18	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	18	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	19	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	19	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	19	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	20	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	20	1.69
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	20	1.69
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	11	1.69
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	12	1.69
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	13	1.69
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	14	1.69
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	6	1.69
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	14	1.69
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	16	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	11	1.68
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	5	1.68
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	20	1.68
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	20	1.68
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	20	1.68
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	20	1.68
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	20	1.68
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	20	1.68
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	20	1.68
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	20	1.68
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	20	1.68
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	4	1.68
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	4	1.68
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	9	1.68
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	10	1.68
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	7	1.68
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	14	1.68
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	6	1.68
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	12	1.68
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	11	1.68
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	15	1.68
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	17	1.68
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	8	1.68
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	14	1.68
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	3	1.68
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	3	1.68
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	3	1.68
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	9	1.68
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	9	1.68
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	9	1.68
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	11	1.68
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	11	1.68
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	11	1.68
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD11	16	1.68
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD12	16	1.68
(1,1839)	1:413:A:ILE:HG12	1:413:A:ILE:HD13	16	1.68
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	6	1.68
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	19	1.68
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	2	1.68
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	5	1.68
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	6	1.68
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	7	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	12	1.68
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	15	1.68
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	15	1.68
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	18	1.68
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	19	1.68
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	19	1.68
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	19	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	1	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	1	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	1	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	2	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	2	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	2	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	3	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	3	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	3	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	4	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	4	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	4	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	5	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	5	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	5	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	6	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	6	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	6	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	7	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	7	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	7	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	8	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	8	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	8	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	9	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	9	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	9	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	10	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	10	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	10	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	11	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	11	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	11	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	12	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	12	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	12	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	13	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	13	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	13	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	14	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	14	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	14	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	15	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	15	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	15	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	16	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	16	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	16	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	17	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	17	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	17	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	18	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	18	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	18	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	19	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	19	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	19	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD11	20	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD12	20	1.68
(1,611)	1:413:A:ILE:HG13	1:413:A:ILE:HD13	20	1.68
(1,431)	1:407:A:VAL:HB	1:407:A:VAL:H	5	1.68
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	16	1.67
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	16	1.67
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	16	1.67
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	8	1.67
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	8	1.67
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	8	1.67
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	8	1.67
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	8	1.67
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	8	1.67
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	11	1.67
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	11	1.67
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	11	1.67
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	7	1.67
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	8	1.67
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	11	1.67
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	12	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	15	1.67
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	16	1.67
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	18	1.67
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	3	1.67
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	12	1.67
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	18	1.67
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	20	1.67
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	3	1.67
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	3	1.67
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	3	1.67
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	15	1.67
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	15	1.67
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	15	1.67
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	20	1.67
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	7	1.67
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	9	1.67
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	4	1.67
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	5	1.67
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	13	1.67
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	15	1.67
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	16	1.67
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	17	1.67
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	1	1.67
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	18	1.67
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	3	1.67
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	3	1.67
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	3	1.67
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	3	1.67
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	5	1.66
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	15	1.66
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD21	18	1.66
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD22	18	1.66
(1,3731)	1:356:A:TYR:HE1	1:453:A:LEU:HD23	18	1.66
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD21	18	1.66
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD22	18	1.66
(1,3731)	1:356:A:TYR:HE2	1:453:A:LEU:HD23	18	1.66
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	10	1.66
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	10	1.66
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	10	1.66
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	17	1.66
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	17	1.66
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	17	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	14	1.66
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	14	1.66
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	14	1.66
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	14	1.66
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	14	1.66
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	14	1.66
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	10	1.66
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	14	1.66
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	1	1.66
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	2	1.66
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	3	1.66
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	5	1.66
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	6	1.66
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	13	1.66
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	14	1.66
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	17	1.66
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	19	1.66
(1,2760)	1:426:A:GLN:HB3	1:426:A:GLN:HB2	20	1.66
(1,2686)	1:369:A:VAL:HA	1:370:A:SER:H	19	1.66
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	7	1.66
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	7	1.66
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	7	1.66
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	20	1.66
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	20	1.66
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	20	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	1	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	2	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	3	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	4	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	5	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	6	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	7	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	8	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	9	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	10	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	11	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	12	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	13	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	14	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	15	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	16	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	17	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	18	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	19	1.66
(1,2559)	1:421:A:HIS:HB2	1:421:A:HIS:HB3	20	1.66
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	2	1.66
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	5	1.66
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	6	1.66
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	7	1.66
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	12	1.66
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	19	1.66
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	19	1.66
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	4	1.66
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	17	1.66
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	7	1.66
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	1	1.66
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	3	1.66
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	14	1.66
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	8	1.66
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	12	1.66
(1,1448)	1:355:A:TRP:HB3	1:356:A:TYR:H	9	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	1	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	2	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	3	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	4	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	5	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	6	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	7	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	8	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	9	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	10	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	11	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	12	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	13	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	14	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	15	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	16	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	17	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	18	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	19	1.66
(1,1173)	1:421:A:HIS:HB3	1:421:A:HIS:HB2	20	1.66
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	8	1.66
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	1	1.66
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	1	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	1	1.66
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	2	1.66
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	6	1.65
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	6	1.65
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	6	1.65
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	5	1.65
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	5	1.65
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	5	1.65
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	19	1.65
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	19	1.65
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	19	1.65
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	19	1.65
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	10	1.65
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	10	1.65
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	10	1.65
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	12	1.65
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	12	1.65
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	12	1.65
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	17	1.65
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	17	1.65
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	17	1.65
(1,2288)	1:360:A:GLY:HA2	1:359:A:ASP:HB2	17	1.65
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	3	1.65
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	13	1.65
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	13	1.65
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	4	1.65
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	9	1.65
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	14	1.65
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	17	1.65
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	1	1.65
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	16	1.65
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	10	1.65
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	11	1.65
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	19	1.65
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	20	1.65
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	11	1.65
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	5	1.65
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	8	1.65
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	16	1.65
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	2	1.65
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	2	1.65
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	1	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	2	1.65
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	3	1.65
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	4	1.65
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	6	1.65
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	7	1.65
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	13	1.65
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	14	1.65
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	18	1.65
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	20	1.65
(1,4890)	1:445:A:THR:H	1:423:A:SER:HB2	10	1.64
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	17	1.64
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	6	1.64
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	3	1.64
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	3	1.64
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	3	1.64
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	7	1.64
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	15	1.64
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	14	1.64
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	6	1.64
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	6	1.64
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	11	1.64
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	13	1.64
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	20	1.64
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	9	1.64
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	18	1.64
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	19	1.64
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	2	1.64
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	6	1.64
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	9	1.64
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	7	1.64
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	16	1.64
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	16	1.64
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	16	1.64
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	5	1.64
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	8	1.64
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	9	1.64
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	10	1.64
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	11	1.64
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	12	1.64
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	15	1.64
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	16	1.64
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	17	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,292)	1:382:A:PHE:HB2	1:382:A:PHE:HB3	19	1.64
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	6	1.63
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	11	1.63
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	11	1.63
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	11	1.63
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	14	1.63
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	14	1.63
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	14	1.63
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	2	1.63
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	2	1.63
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	2	1.63
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	4	1.63
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	9	1.63
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	6	1.63
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	15	1.63
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	4	1.63
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	18	1.63
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	18	1.63
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	18	1.63
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	19	1.63
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	19	1.63
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	19	1.63
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	8	1.63
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	18	1.63
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	1	1.63
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	2	1.63
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	3	1.63
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	5	1.63
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	6	1.63
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	7	1.63
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	8	1.63
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	9	1.63
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	11	1.63
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	12	1.63
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	13	1.63
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	16	1.63
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	17	1.63
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	18	1.63
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	19	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	1	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	2	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	3	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	4	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	5	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	6	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	7	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	8	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	9	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	10	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	11	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	12	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	13	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	14	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	15	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	16	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	17	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	18	1.63
(1,2160)	1:450:A:MET:HG2	1:450:A:MET:HG3	20	1.63
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	11	1.63
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	7	1.63
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	11	1.63
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	15	1.63
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	20	1.63
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	1	1.63
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	3	1.63
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	7	1.63
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	8	1.63
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	16	1.63
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	18	1.63
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	3	1.63
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	5	1.63
(1,1670)	1:352:A:GLN:HB3	1:352:A:GLN:HA	15	1.63
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	4	1.63
(1,1574)	1:357:A:TYR:HA	1:356:A:TYR:HB2	8	1.63
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	17	1.63
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	3	1.63
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	7	1.63
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	20	1.63
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	1	1.63
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	2	1.63
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	3	1.63
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	5	1.63
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	6	1.63
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	7	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	8	1.63
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	9	1.63
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	11	1.63
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	12	1.63
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	13	1.63
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	16	1.63
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	17	1.63
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	18	1.63
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	19	1.63
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	11	1.63
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	13	1.63
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	15	1.63
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	18	1.63
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	20	1.63
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	3	1.63
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	4	1.63
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	13	1.63
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	16	1.63
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	5	1.62
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	5	1.62
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	5	1.62
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	19	1.62
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	19	1.62
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	19	1.62
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	3	1.62
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	3	1.62
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	3	1.62
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	3	1.62
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	6	1.62
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	17	1.62
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	10	1.62
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	8	1.62
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	8	1.62
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	8	1.62
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	16	1.62
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	17	1.62
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	4	1.62
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	10	1.62
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	14	1.62
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	15	1.62
(1,2194)	1:352:A:GLN:HB2	1:352:A:GLN:HB3	20	1.62
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	16	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	3	1.62
(1,1814)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	11	1.62
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	19	1.62
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	7	1.62
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	4	1.62
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	10	1.62
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	14	1.62
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	15	1.62
(1,1248)	1:352:A:GLN:HB3	1:352:A:GLN:HB2	20	1.62
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	5	1.62
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	19	1.62
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	2	1.62
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	2	1.62
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	2	1.62
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	7	1.62
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	7	1.62
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	7	1.62
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	8	1.62
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	8	1.62
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	8	1.62
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	9	1.62
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	9	1.62
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	9	1.62
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	13	1.62
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	13	1.62
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	13	1.62
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	10	1.62
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	5	1.61
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	5	1.61
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	5	1.61
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	2	1.61
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	2	1.61
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	2	1.61
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG21	1	1.61
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG22	1	1.61
(1,3708)	1:425:A:TRP:HZ3	1:407:A:VAL:HG23	1	1.61
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	17	1.61
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	17	1.61
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	3	1.61
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	5	1.61
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	7	1.61
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	11	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	12	1.61
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	14	1.61
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	15	1.61
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	2	1.61
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	8	1.61
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	20	1.61
(1,3037)	1:405:A:SER:HB2	1:406:A:PRO:HA	12	1.61
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	4	1.61
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	4	1.61
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	4	1.61
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	16	1.61
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	6	1.61
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	8	1.61
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	10	1.61
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	4	1.61
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	5	1.61
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	4	1.61
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	14	1.61
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	16	1.61
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	4	1.61
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	4	1.61
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	4	1.61
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	5	1.6
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	12	1.6
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	12	1.6
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	12	1.6
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	18	1.6
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	3	1.6
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	3	1.6
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	3	1.6
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG21	1	1.6
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG22	1	1.6
(1,3575)	1:383:A:TYR:HD1	1:384:A:VAL:HG23	1	1.6
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG21	1	1.6
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG22	1	1.6
(1,3575)	1:383:A:TYR:HD2	1:384:A:VAL:HG23	1	1.6
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	1	1.6
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	1	1.6
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	1	1.6
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	8	1.6
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	8	1.6
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	8	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	19	1.6
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	19	1.6
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	19	1.6
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	2	1.6
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	4	1.6
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	9	1.6
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	10	1.6
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	16	1.6
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	18	1.6
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	19	1.6
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	20	1.6
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	5	1.6
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	2	1.6
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	10	1.6
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	1	1.6
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	4	1.6
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	10	1.6
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	8	1.6
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	20	1.6
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	1	1.6
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	12	1.6
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	6	1.6
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	18	1.6
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	11	1.6
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	11	1.6
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	11	1.6
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	19	1.6
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	13	1.59
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	18	1.59
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	16	1.59
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	15	1.59
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	15	1.59
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	15	1.59
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	10	1.59
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	11	1.59
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	12	1.59
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	13	1.59
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	19	1.59
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	19	1.59
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	5	1.59
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	5	1.59
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	5	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	6	1.59
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	6	1.59
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	6	1.59
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	2	1.59
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	2	1.59
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	2	1.59
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	10	1.59
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	10	1.59
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	10	1.59
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	13	1.59
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	13	1.59
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	13	1.59
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	14	1.59
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	14	1.59
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	14	1.59
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	20	1.59
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	20	1.59
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	20	1.59
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	13	1.59
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	17	1.59
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	1	1.59
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	9	1.59
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	16	1.59
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	14	1.59
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	2	1.59
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	17	1.59
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	14	1.59
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	14	1.59
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	14	1.59
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	8	1.59
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	9	1.59
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	9	1.59
(1,4871)	1:421:A:HIS:H	1:423:A:SER:HB2	2	1.58
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	9	1.58
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	15	1.58
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	20	1.58
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	5	1.58
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	5	1.58
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	5	1.58
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	17	1.58
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	17	1.58
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	17	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	8	1.58
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	16	1.58
(1,2899)	1:339:A:HIS:HB3	1:340:A:MET:H	15	1.58
(1,1794)	1:405:A:SER:HB2	1:406:A:PRO:HD3	2	1.58
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	14	1.58
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	16	1.58
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	6	1.58
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	4	1.58
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	6	1.58
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	15	1.58
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	19	1.58
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	13	1.58
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	18	1.58
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	18	1.58
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	18	1.58
(1,4619)	1:424:A:ASP:H	1:422:A:ASP:HB3	16	1.57
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	3	1.57
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	5	1.57
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	14	1.57
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	13	1.57
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	13	1.57
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	13	1.57
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	10	1.57
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	10	1.57
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	10	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	4	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	4	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	4	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	5	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	5	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	5	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	6	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	6	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	6	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	7	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	7	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	7	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	11	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	11	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	11	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	12	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	12	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	12	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	17	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	17	1.57
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	17	1.57
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	1	1.57
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	8	1.57
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	13	1.57
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	18	1.57
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	20	1.57
(1,2200)	1:427:A:PRO:HB3	1:428:A:GLU:HA	9	1.57
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	4	1.57
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	8	1.57
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	9	1.57
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	2	1.57
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	17	1.57
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	8	1.57
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	14	1.57
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	17	1.57
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	18	1.57
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	7	1.57
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	20	1.57
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	20	1.57
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	20	1.57
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	1	1.57
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	6	1.57
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	11	1.57
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	17	1.57
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	20	1.57
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	2	1.57
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	2	1.57
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	2	1.57
(1,4890)	1:445:A:THR:H	1:423:A:SER:HB2	3	1.56
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	16	1.56
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	16	1.56
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	6	1.56
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	6	1.56
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	6	1.56
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	10	1.56
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	10	1.56
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	10	1.56
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	16	1.56
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	16	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	16	1.56
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	16	1.56
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	4	1.56
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	9	1.56
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	19	1.56
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	19	1.56
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	19	1.56
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	16	1.56
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	1	1.56
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	1	1.56
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	1	1.56
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	15	1.56
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	15	1.56
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	15	1.56
(1,3333)	1:440:A:HIS:HB3	1:440:A:HIS:HD2	6	1.56
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	11	1.56
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	19	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	1	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	2	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	3	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	4	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	5	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	6	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	7	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	10	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	11	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	12	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	13	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	14	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	15	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	16	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	17	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	18	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	19	1.56
(1,1576)	1:355:A:TRP:HA	1:355:A:TRP:H	20	1.56
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	3	1.56
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	10	1.56
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	12	1.56
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	17	1.56
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	17	1.56
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	17	1.56
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	17	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	7	1.56
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	9	1.56
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	13	1.56
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	17	1.56
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	19	1.56
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	1	1.56
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	4	1.56
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	6	1.56
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	12	1.56
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	14	1.56
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	15	1.56
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	9	1.56
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	13	1.56
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	2	1.55
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	19	1.55
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	1	1.55
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	2	1.55
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	4	1.55
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	16	1.55
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	16	1.55
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	16	1.55
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	4	1.55
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	15	1.55
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	18	1.55
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	15	1.55
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	15	1.55
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	15	1.55
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	20	1.55
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	20	1.55
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	20	1.55
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	12	1.55
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	12	1.55
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	15	1.55
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	15	1.55
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	15	1.55
(1,3169)	1:375:A:THR:HB	1:374:A:THR:HA	12	1.55
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	6	1.55
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	6	1.55
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	6	1.55
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	14	1.55
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	1	1.55
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	2	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	3	1.55
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	4	1.55
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	6	1.55
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	7	1.55
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	13	1.55
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	14	1.55
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	18	1.55
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	20	1.55
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	10	1.55
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	11	1.55
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	13	1.55
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	19	1.55
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	20	1.55
(1,1840)	1:435:A:LYS:HG3	1:435:A:LYS:H	5	1.55
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	9	1.55
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	13	1.55
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	12	1.55
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	19	1.55
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	18	1.55
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	1	1.55
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	2	1.55
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	3	1.55
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	4	1.55
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	5	1.55
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	10	1.55
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	11	1.55
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	12	1.55
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	14	1.55
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	15	1.55
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	16	1.55
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	18	1.55
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	20	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	1	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	2	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	3	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	4	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	5	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	6	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	7	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	8	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	9	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	10	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	11	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	12	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	13	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	14	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	15	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	16	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	17	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	18	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	19	1.55
(1,472)	1:429:A:TYR:HB2	1:429:A:TYR:HB3	20	1.55
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	3	1.55
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	5	1.55
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	7	1.55
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	8	1.55
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	10	1.55
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	11	1.55
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	13	1.55
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	14	1.55
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	15	1.55
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	16	1.55
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	17	1.55
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	18	1.55
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	19	1.55
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	20	1.55
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	5	1.55
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	7	1.55
(1,315)	1:416:A:THR:HB	1:417:A:GLY:HA2	18	1.55
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	6	1.55
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	16	1.55
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	3	1.55
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	4	1.55
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	7	1.55
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	11	1.55
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	14	1.55
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	17	1.55
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	18	1.55
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	19	1.55
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	20	1.55
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	5	1.55
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	5	1.55
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	5	1.55
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	6	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	6	1.54
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	14	1.54
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	20	1.54
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	11	1.54
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	18	1.54
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	18	1.54
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	18	1.54
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	18	1.54
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	11	1.54
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	13	1.54
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	5	1.54
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	8	1.54
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	9	1.54
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	10	1.54
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	11	1.54
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	12	1.54
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	15	1.54
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	16	1.54
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	17	1.54
(1,1971)	1:382:A:PHE:HB3	1:382:A:PHE:HB2	19	1.54
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	1	1.54
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	2	1.54
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	3	1.54
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	4	1.54
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	5	1.54
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	6	1.54
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	7	1.54
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	8	1.54
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	9	1.54
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	12	1.54
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	14	1.54
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	15	1.54
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	16	1.54
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	17	1.54
(1,1886)	1:442:A:CYS:HB2	1:442:A:CYS:HB3	18	1.54
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	1	1.54
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	4	1.54
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	7	1.54
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	14	1.54
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	18	1.54
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	12	1.54
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	7	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	13	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	1	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	2	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	3	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	4	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	5	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	6	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	7	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	8	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	9	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	10	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	11	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	12	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	13	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	14	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	15	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	16	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	17	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	18	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	19	1.54
(1,968)	1:435:A:LYS:HG3	1:435:A:LYS:HG2	20	1.54
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	1	1.54
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	4	1.54
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	7	1.54
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	14	1.54
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	18	1.54
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	8	1.54
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	2	1.54
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	9	1.54
(1,434)	1:378:A:PRO:HA	1:379:A:ALA:HA	12	1.54
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	7	1.54
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	1	1.54
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	8	1.54
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	16	1.54
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	16	1.54
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	16	1.54
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	16	1.54
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	19	1.54
(1,4890)	1:445:A:THR:H	1:423:A:SER:HB2	13	1.53
(1,4890)	1:445:A:THR:H	1:423:A:SER:HB2	19	1.53
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	11	1.53
(1,4179)	1:382:A:PHE:H	1:463:A:VAL:HB	1	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	7	1.53
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	10	1.53
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	10	1.53
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	10	1.53
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	12	1.53
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	12	1.53
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	12	1.53
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	14	1.53
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	14	1.53
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	13	1.53
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	13	1.53
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	13	1.53
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	16	1.53
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	16	1.53
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	16	1.53
(1,3075)	1:450:A:MET:HG2	1:450:A:MET:HA	19	1.53
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	18	1.53
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	3	1.53
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	7	1.53
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	13	1.53
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	15	1.53
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	17	1.53
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	19	1.53
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	17	1.53
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	2	1.53
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	3	1.53
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	5	1.53
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	6	1.53
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	8	1.53
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	9	1.53
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	10	1.53
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	11	1.53
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	12	1.53
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	13	1.53
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	15	1.53
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	16	1.53
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	17	1.53
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	19	1.53
(1,1844)	1:423:A:SER:HB2	1:423:A:SER:HB3	20	1.53
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	1	1.53
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	10	1.53
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	17	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	15	1.53
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	20	1.53
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	3	1.53
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	4	1.53
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	2	1.53
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	3	1.53
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	5	1.53
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	6	1.53
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	8	1.53
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	9	1.53
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	10	1.53
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	11	1.53
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	12	1.53
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	13	1.53
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	15	1.53
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	16	1.53
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	17	1.53
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	19	1.53
(1,606)	1:423:A:SER:HB3	1:423:A:SER:HB2	20	1.53
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	12	1.53
(1,523)	1:455:A:GLY:HA3	1:454:A:PHE:HA	6	1.53
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	13	1.53
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	2	1.53
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	9	1.53
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	9	1.53
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	9	1.53
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	11	1.53
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	11	1.53
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	11	1.53
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	1	1.53
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	2	1.53
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	7	1.53
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	12	1.53
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	1	1.52
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	15	1.52
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	17	1.52
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	3	1.52
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	3	1.52
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	3	1.52
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	4	1.52
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	4	1.52
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	4	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	15	1.52
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	15	1.52
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	15	1.52
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	14	1.52
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	14	1.52
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	14	1.52
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	19	1.52
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	7	1.52
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	7	1.52
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	7	1.52
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	1	1.52
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	4	1.52
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	6	1.52
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	8	1.52
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	10	1.52
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	12	1.52
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	18	1.52
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	20	1.52
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	2	1.52
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	9	1.52
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	17	1.52
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	6	1.52
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	1	1.52
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	15	1.52
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	18	1.52
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	16	1.52
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	15	1.52
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	8	1.51
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	10	1.51
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	8	1.51
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	6	1.51
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	5	1.51
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	5	1.51
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	5	1.51
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	13	1.51
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	13	1.51
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	13	1.51
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	20	1.51
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	20	1.51
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	20	1.51
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	7	1.51
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	7	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	7	1.51
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	7	1.51
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	7	1.51
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	7	1.51
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	19	1.51
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	2	1.51
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	2	1.51
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	2	1.51
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	5	1.51
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	5	1.51
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	5	1.51
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	6	1.51
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	6	1.51
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	6	1.51
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	1	1.51
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	5	1.51
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	8	1.51
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	10	1.51
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	11	1.51
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	16	1.51
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	14	1.51
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	15	1.51
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	18	1.51
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	6	1.51
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	5	1.51
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	10	1.51
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	16	1.51
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	18	1.51
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	8	1.51
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	10	1.51
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	13	1.51
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	5	1.51
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	3	1.51
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	3	1.51
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	6	1.51
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	8	1.51
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	13	1.51
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	17	1.51
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	18	1.51
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	6	1.51
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	7	1.5
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	16	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	1	1.5
(1,3988)	1:455:A:GLY:H	1:457:A:VAL:HB	8	1.5
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	16	1.5
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	8	1.5
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	8	1.5
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	8	1.5
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	14	1.5
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	14	1.5
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	14	1.5
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	17	1.5
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	17	1.5
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	17	1.5
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	13	1.5
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	13	1.5
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	13	1.5
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	6	1.5
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	8	1.5
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	20	1.5
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	3	1.5
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	3	1.5
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	3	1.5
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	13	1.5
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	13	1.5
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	13	1.5
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	2	1.5
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	12	1.5
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	14	1.5
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	15	1.5
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	18	1.5
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	1	1.5
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	2	1.5
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	11	1.5
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	7	1.5
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	11	1.5
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	12	1.5
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	13	1.5
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	9	1.5
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	20	1.5
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	6	1.5
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	17	1.5
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	11	1.5
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	9	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	5	1.5
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	5	1.5
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	5	1.5
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	4	1.5
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	8	1.5
(1,224)	1:426:A:GLN:HB3	1:426:A:GLN:HE21	4	1.5
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	9	1.5
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	10	1.5
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	14	1.5
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	20	1.5
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	5	1.5
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	11	1.5
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	13	1.5
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	20	1.5
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	5	1.49
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	13	1.49
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	13	1.49
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	13	1.49
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	17	1.49
(1,4179)	1:382:A:PHE:H	1:463:A:VAL:HB	13	1.49
(1,4179)	1:382:A:PHE:H	1:463:A:VAL:HB	15	1.49
(1,4179)	1:382:A:PHE:H	1:463:A:VAL:HB	17	1.49
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	1	1.49
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	9	1.49
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	12	1.49
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	7	1.49
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	7	1.49
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	7	1.49
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	9	1.49
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	9	1.49
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	9	1.49
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	11	1.49
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	11	1.49
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	11	1.49
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	1	1.49
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	9	1.49
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	9	1.49
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	9	1.49
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	11	1.49
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	11	1.49
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	12	1.49
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	12	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	12	1.49
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	1	1.49
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	1	1.49
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	1	1.49
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	4	1.49
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	4	1.49
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	4	1.49
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	14	1.49
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	14	1.49
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	14	1.49
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	15	1.49
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	15	1.49
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	15	1.49
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	3	1.49
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	4	1.49
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	7	1.49
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	9	1.49
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	19	1.49
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	3	1.49
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	7	1.49
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	13	1.49
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	15	1.49
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	18	1.49
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	20	1.49
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	12	1.49
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	14	1.49
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	6	1.49
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	13	1.49
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	10	1.49
(1,1106)	1:397:A:ASN:HB3	1:396:A:THR:HA	3	1.49
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	11	1.49
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	13	1.49
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	11	1.49
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	4	1.49
(1,4890)	1:445:A:THR:H	1:423:A:SER:HB2	8	1.48
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	20	1.48
(1,4179)	1:382:A:PHE:H	1:463:A:VAL:HB	7	1.48
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	2	1.48
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	1	1.48
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	1	1.48
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	1	1.48
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	6	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	6	1.48
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	6	1.48
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	18	1.48
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	18	1.48
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	18	1.48
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	1	1.48
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	1	1.48
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	10	1.48
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	10	1.48
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	10	1.48
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	5	1.48
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	14	1.48
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	16	1.48
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	2	1.48
(1,2806)	1:463:A:VAL:HB	1:464:A:LEU:H	1	1.48
(1,2806)	1:463:A:VAL:HB	1:464:A:LEU:H	14	1.48
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	8	1.48
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	8	1.48
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	8	1.48
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	10	1.48
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	10	1.48
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	10	1.48
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	16	1.48
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	16	1.48
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	16	1.48
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	17	1.48
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	17	1.48
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	17	1.48
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	18	1.48
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	18	1.48
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	18	1.48
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	16	1.48
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	16	1.48
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	16	1.48
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	6	1.48
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	2	1.48
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	4	1.48
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	5	1.48
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	6	1.48
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	8	1.48
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	9	1.48
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	10	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	12	1.48
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	16	1.48
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	17	1.48
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	19	1.48
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	7	1.48
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	9	1.48
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	8	1.48
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	19	1.48
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	20	1.48
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	12	1.48
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	12	1.48
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	12	1.48
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	12	1.48
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	12	1.48
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	12	1.48
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	20	1.48
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	20	1.48
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	20	1.48
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	20	1.48
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	20	1.48
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	20	1.48
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	13	1.48
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	20	1.48
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	18	1.48
(1,1505)	1:446:A:PRO:HG2	1:366:A:THR:HG1	10	1.48
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	3	1.48
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	2	1.48
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	5	1.48
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	7	1.48
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	14	1.48
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	15	1.48
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	2	1.48
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	4	1.48
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	8	1.48
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	9	1.48
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	11	1.48
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	12	1.48
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	19	1.48
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	6	1.48
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	13	1.48
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	19	1.48
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	15	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	11	1.48
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	4	1.47
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	18	1.47
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	18	1.47
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	18	1.47
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	6	1.47
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	10	1.47
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	12	1.47
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	2	1.47
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	6	1.47
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	6	1.47
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	6	1.47
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	17	1.47
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	17	1.47
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	17	1.47
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	12	1.47
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	12	1.47
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	12	1.47
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	12	1.47
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	10	1.47
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	10	1.47
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	1	1.47
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	4	1.47
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	8	1.47
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	10	1.47
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	12	1.47
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	17	1.47
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	19	1.47
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	9	1.47
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	9	1.47
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	9	1.47
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	19	1.47
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	19	1.47
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	19	1.47
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	18	1.47
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	1	1.47
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	11	1.47
(1,2484)	1:373:A:PRO:HD2	1:373:A:PRO:HG2	14	1.47
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	4	1.47
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	12	1.47
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	19	1.47
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	19	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	7	1.47
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	9	1.47
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	15	1.47
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	16	1.47
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	1	1.47
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	4	1.47
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	6	1.47
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	15	1.47
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	1	1.47
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	2	1.47
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	3	1.47
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	7	1.47
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	10	1.47
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	13	1.47
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	14	1.47
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	15	1.47
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	16	1.47
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	17	1.47
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	20	1.47
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	10	1.47
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	10	1.47
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	10	1.47
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	1	1.47
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	3	1.47
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	5	1.47
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	19	1.47
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	20	1.47
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	5	1.47
(1,39)	1:420:A:ILE:HG13	1:420:A:ILE:HA	16	1.47
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	10	1.47
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	9	1.46
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	8	1.46
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	8	1.46
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	8	1.46
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	11	1.46
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	11	1.46
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	11	1.46
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	20	1.46
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	20	1.46
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	20	1.46
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	5	1.46
(1,4179)	1:382:A:PHE:H	1:463:A:VAL:HB	3	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4179)	1:382:A:PHE:H	1:463:A:VAL:HB	12	1.46
(1,4179)	1:382:A:PHE:H	1:463:A:VAL:HB	20	1.46
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	3	1.46
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	13	1.46
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	13	1.46
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	12	1.46
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	12	1.46
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	12	1.46
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	20	1.46
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	20	1.46
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	20	1.46
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	9	1.46
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	18	1.46
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	2	1.46
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	3	1.46
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	5	1.46
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	6	1.46
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	7	1.46
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	9	1.46
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	11	1.46
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	13	1.46
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	14	1.46
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	15	1.46
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	16	1.46
(1,3002)	1:412:A:PRO:HB3	1:412:A:PRO:HA	20	1.46
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	12	1.46
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	2	1.46
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	3	1.46
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	5	1.46
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	6	1.46
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	7	1.46
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	10	1.46
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	11	1.46
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	12	1.46
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	13	1.46
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	14	1.46
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	16	1.46
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	17	1.46
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	19	1.46
(1,2806)	1:463:A:VAL:HB	1:464:A:LEU:H	3	1.46
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	12	1.46
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	12	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	12	1.46
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	20	1.46
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	20	1.46
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	20	1.46
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	17	1.46
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	14	1.46
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	16	1.46
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	17	1.46
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	6	1.46
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	3	1.46
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	3	1.46
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	3	1.46
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	3	1.46
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	3	1.46
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	3	1.46
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	8	1.46
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	15	1.46
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	15	1.46
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	15	1.46
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	15	1.46
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	15	1.46
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	15	1.46
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	18	1.46
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	18	1.46
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	18	1.46
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	18	1.46
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	18	1.46
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	18	1.46
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	19	1.46
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	19	1.46
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	19	1.46
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	19	1.46
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	19	1.46
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	19	1.46
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	7	1.46
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	10	1.46
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	16	1.46
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	1	1.46
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	14	1.46
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	11	1.46
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	13	1.46
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	16	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	20	1.46
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	2	1.46
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	3	1.46
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	5	1.46
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	6	1.46
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	7	1.46
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	10	1.46
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	11	1.46
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	12	1.46
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	13	1.46
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	14	1.46
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	16	1.46
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	17	1.46
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	19	1.46
(1,925)	1:342:A:ASP:HB3	1:341:A:GLU:HA	12	1.46
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	13	1.46
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	5	1.46
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	9	1.46
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	14	1.46
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	4	1.46
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	6	1.46
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	10	1.46
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	18	1.46
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	2	1.46
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	16	1.46
(1,4179)	1:382:A:PHE:H	1:463:A:VAL:HB	4	1.45
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	15	1.45
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	16	1.45
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	10	1.45
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	12	1.45
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	2	1.45
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	2	1.45
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	2	1.45
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	9	1.45
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	9	1.45
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	9	1.45
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	11	1.45
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	11	1.45
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	11	1.45
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	8	1.45
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	4	1.45
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	4	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	4	1.45
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	18	1.45
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	18	1.45
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	18	1.45
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	10	1.45
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	10	1.45
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	10	1.45
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	5	1.45
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	7	1.45
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	1	1.45
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	5	1.45
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	7	1.45
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	1	1.45
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	4	1.45
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	8	1.45
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	9	1.45
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	15	1.45
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	18	1.45
(1,2890)	1:410:A:TRP:HB2	1:410:A:TRP:HB3	20	1.45
(1,2806)	1:463:A:VAL:HB	1:464:A:LEU:H	6	1.45
(1,2781)	1:457:A:VAL:HG11	1:456:A:MET:HG3	11	1.45
(1,2781)	1:457:A:VAL:HG12	1:456:A:MET:HG3	11	1.45
(1,2781)	1:457:A:VAL:HG13	1:456:A:MET:HG3	11	1.45
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	5	1.45
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	5	1.45
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	5	1.45
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	13	1.45
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	20	1.45
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	2	1.45
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	3	1.45
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	3	1.45
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	8	1.45
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	4	1.45
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	1	1.45
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	2	1.45
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	3	1.45
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	4	1.45
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	9	1.45
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	10	1.45
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	11	1.45
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	12	1.45
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	13	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	14	1.45
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	15	1.45
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	16	1.45
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	18	1.45
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	19	1.45
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	20	1.45
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	1	1.45
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	1	1.45
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	1	1.45
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	1	1.45
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	1	1.45
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	1	1.45
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	8	1.45
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	8	1.45
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	8	1.45
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	8	1.45
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	8	1.45
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	8	1.45
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	12	1.45
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	5	1.45
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	13	1.45
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	10	1.45
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	11	1.45
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	13	1.45
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	19	1.45
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	20	1.45
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	7	1.45
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	4	1.45
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	18	1.45
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	19	1.45
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	8	1.45
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	18	1.45
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	1	1.45
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	4	1.45
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	8	1.45
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	9	1.45
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	15	1.45
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	18	1.45
(1,996)	1:410:A:TRP:HB3	1:410:A:TRP:HB2	20	1.45
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	15	1.45
(1,728)	1:412:A:PRO:HG2	1:412:A:PRO:HD2	6	1.45
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	3	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	10	1.45
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	13	1.45
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	12	1.45
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	3	1.45
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	7	1.45
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	12	1.45
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	14	1.45
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	3	1.44
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	1	1.44
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	1	1.44
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	1	1.44
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	9	1.44
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	9	1.44
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	9	1.44
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	10	1.44
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	10	1.44
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	10	1.44
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	17	1.44
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	17	1.44
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	17	1.44
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	10	1.44
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	14	1.44
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD21	2	1.44
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD22	2	1.44
(1,3921)	1:457:A:VAL:H	1:453:A:LEU:HD23	2	1.44
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	1	1.44
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	4	1.44
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	17	1.44
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	15	1.44
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	15	1.44
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	15	1.44
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	19	1.44
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	19	1.44
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	19	1.44
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	9	1.44
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	9	1.44
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	9	1.44
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	1	1.44
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	1	1.44
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	1	1.44
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	6	1.44
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	6	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	6	1.44
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	8	1.44
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	8	1.44
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	8	1.44
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	19	1.44
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	19	1.44
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	19	1.44
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	3	1.44
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	3	1.44
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	12	1.44
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	12	1.44
(1,2806)	1:463:A:VAL:HB	1:464:A:LEU:H	15	1.44
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	10	1.44
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	1	1.44
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	4	1.44
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	18	1.44
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	5	1.44
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	6	1.44
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	7	1.44
(1,2046)	1:371:A:GLY:HA2	1:371:A:GLY:H	17	1.44
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	3	1.44
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	3	1.44
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	3	1.44
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	3	1.44
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	3	1.44
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	3	1.44
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	10	1.44
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	10	1.44
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	10	1.44
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	10	1.44
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	10	1.44
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	10	1.44
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	11	1.44
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	11	1.44
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	11	1.44
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	11	1.44
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	11	1.44
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	11	1.44
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	3	1.44
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	4	1.44
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	9	1.44
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	14	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	18	1.44
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	1	1.44
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	2	1.44
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	3	1.44
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	4	1.44
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	5	1.44
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	6	1.44
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	7	1.44
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	8	1.44
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	9	1.44
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	12	1.44
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	14	1.44
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	15	1.44
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	16	1.44
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	17	1.44
(1,1753)	1:442:A:CYS:HB3	1:442:A:CYS:HB2	18	1.44
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	2	1.44
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	3	1.44
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	5	1.44
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	6	1.44
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	19	1.44
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	10	1.44
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	3	1.44
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	19	1.44
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	7	1.44
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	10	1.44
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	11	1.44
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	18	1.44
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	10	1.44
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	9	1.44
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	8	1.44
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	17	1.44
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	3	1.43
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	12	1.43
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	16	1.43
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	16	1.43
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	16	1.43
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	19	1.43
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	19	1.43
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	19	1.43
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	3	1.43
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	3	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	3	1.43
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	7	1.43
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	14	1.43
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	7	1.43
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	8	1.43
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	15	1.43
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	18	1.43
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	18	1.43
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	18	1.43
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	15	1.43
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	15	1.43
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	15	1.43
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	5	1.43
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	13	1.43
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	4	1.43
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	4	1.43
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	9	1.43
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	9	1.43
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	14	1.43
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	17	1.43
(1,2806)	1:463:A:VAL:HB	1:464:A:LEU:H	7	1.43
(1,2806)	1:463:A:VAL:HB	1:464:A:LEU:H	8	1.43
(1,2606)	1:373:A:PRO:HD3	1:372:A:LYS:HA	15	1.43
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	6	1.43
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	3	1.43
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	5	1.43
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	3	1.43
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	5	1.43
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	13	1.43
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	7	1.43
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	7	1.43
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	7	1.43
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	7	1.43
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	7	1.43
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	7	1.43
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	9	1.43
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	9	1.43
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	9	1.43
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	9	1.43
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	9	1.43
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	9	1.43
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	17	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	17	1.43
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	17	1.43
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	17	1.43
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	17	1.43
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	17	1.43
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	1	1.43
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	2	1.43
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	19	1.43
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	20	1.43
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	1	1.43
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	6	1.43
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	8	1.43
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	12	1.43
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	17	1.43
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	20	1.43
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	6	1.43
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	1	1.43
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	1	1.43
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	9	1.43
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	9	1.43
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	18	1.43
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	18	1.43
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	11	1.43
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	14	1.43
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	16	1.43
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	5	1.43
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	7	1.43
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	8	1.43
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	11	1.43
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	7	1.43
(1,719)	1:352:A:GLN:HG2	1:352:A:GLN:H	14	1.43
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	15	1.43
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	2	1.43
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	17	1.43
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	9	1.43
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	6	1.42
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	12	1.42
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	9	1.42
(1,4179)	1:382:A:PHE:H	1:463:A:VAL:HB	10	1.42
(1,4179)	1:382:A:PHE:H	1:463:A:VAL:HB	19	1.42
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	18	1.42
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	2	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	6	1.42
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	11	1.42
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	13	1.42
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	20	1.42
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	1	1.42
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	1	1.42
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	1	1.42
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	4	1.42
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	4	1.42
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	4	1.42
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	11	1.42
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	13	1.42
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	12	1.42
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	12	1.42
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	12	1.42
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	17	1.42
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	17	1.42
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	17	1.42
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	14	1.42
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	8	1.42
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	8	1.42
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	8	1.42
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	8	1.42
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	8	1.42
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	8	1.42
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	10	1.42
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	10	1.42
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	10	1.42
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	10	1.42
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	10	1.42
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	10	1.42
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	19	1.42
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	19	1.42
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	19	1.42
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	19	1.42
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	19	1.42
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	19	1.42
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	1	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	1	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	1	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	2	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	2	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	5	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	5	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	6	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	6	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	8	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	8	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	13	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	13	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	15	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	15	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	16	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	16	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	17	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	17	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	19	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	19	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	20	1.42
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	20	1.42
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	5	1.42
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	6	1.42
(1,2806)	1:463:A:VAL:HB	1:464:A:LEU:H	4	1.42
(1,2806)	1:463:A:VAL:HB	1:464:A:LEU:H	10	1.42
(1,2806)	1:463:A:VAL:HB	1:464:A:LEU:H	18	1.42
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	9	1.42
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	9	1.42
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	9	1.42
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	5	1.42
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	10	1.42
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	7	1.42
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	10	1.42
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	2	1.42
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	2	1.42
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	2	1.42
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	2	1.42
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	2	1.42
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	2	1.42
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	10	1.42
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	11	1.42
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	2	1.42
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	7	1.42
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	11	1.42
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	1	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	5	1.42
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	19	1.42
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	4	1.42
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	4	1.42
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	14	1.42
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	14	1.42
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	16	1.42
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	16	1.42
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	19	1.42
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	19	1.42
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	1	1.42
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	4	1.42
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	8	1.42
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	10	1.42
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	12	1.42
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	15	1.42
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	17	1.42
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	19	1.42
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	20	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	2	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	2	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	2	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	3	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	3	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	3	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	4	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	4	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	4	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	5	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	5	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	5	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	8	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	8	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	8	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	10	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	10	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	10	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	11	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	11	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	11	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	16	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	16	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	16	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	20	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	20	1.42
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	20	1.42
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	10	1.42
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	13	1.42
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	9	1.42
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	12	1.42
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	14	1.42
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	7	1.42
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	11	1.42
(1,792)	1:442:A:CYS:HB3	1:421:A:HIS:HD2	11	1.42
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	6	1.42
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	6	1.42
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	6	1.42
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	2	1.42
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	7	1.42
(1,228)	1:433:A:LEU:HB2	1:434:A:TRP:H	14	1.42
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	7	1.42
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	12	1.42
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	13	1.42
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	1	1.42
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	4	1.42
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	19	1.42
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	4	1.41
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	5	1.41
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	9	1.41
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	14	1.41
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	15	1.41
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	1	1.41
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	1	1.41
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	17	1.41
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	7	1.41
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	7	1.41
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	7	1.41
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	8	1.41
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	8	1.41
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	8	1.41
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	14	1.41
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	14	1.41
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	14	1.41
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	19	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	19	1.41
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	19	1.41
(1,4179)	1:382:A:PHE:H	1:463:A:VAL:HB	8	1.41
(1,4179)	1:382:A:PHE:H	1:463:A:VAL:HB	14	1.41
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	7	1.41
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	7	1.41
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	3	1.41
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	5	1.41
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	14	1.41
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	16	1.41
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	18	1.41
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	19	1.41
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	8	1.41
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	8	1.41
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	8	1.41
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	6	1.41
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	11	1.41
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	20	1.41
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	9	1.41
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	9	1.41
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	9	1.41
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	9	1.41
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	9	1.41
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	9	1.41
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	11	1.41
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	11	1.41
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	11	1.41
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	11	1.41
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	11	1.41
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	11	1.41
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	13	1.41
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	13	1.41
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	13	1.41
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	13	1.41
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	13	1.41
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	13	1.41
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	18	1.41
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	18	1.41
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	18	1.41
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	18	1.41
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	18	1.41
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	18	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	20	1.41
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	20	1.41
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	20	1.41
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	20	1.41
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	20	1.41
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	20	1.41
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	18	1.41
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	18	1.41
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	18	1.41
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	11	1.41
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	11	1.41
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	18	1.41
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	18	1.41
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	4	1.41
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	20	1.41
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	15	1.41
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	10	1.41
(1,2326)	1:373:A:PRO:HD2	1:372:A:LYS:HB2	8	1.41
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	8	1.41
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	10	1.41
(1,2140)	1:449:A:VAL:HB	1:448:A:SER:HA	16	1.41
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	2	1.41
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	2	1.41
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	2	1.41
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	2	1.41
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	2	1.41
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	2	1.41
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	4	1.41
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	4	1.41
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	4	1.41
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	4	1.41
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	4	1.41
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	4	1.41
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	6	1.41
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	6	1.41
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	6	1.41
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	6	1.41
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	6	1.41
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	6	1.41
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	14	1.41
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	14	1.41
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	14	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	14	1.41
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	14	1.41
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	14	1.41
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	16	1.41
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	16	1.41
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	16	1.41
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	16	1.41
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	16	1.41
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	16	1.41
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	2	1.41
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	4	1.41
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	18	1.41
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	15	1.41
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	2	1.41
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	2	1.41
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	5	1.41
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	5	1.41
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	6	1.41
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	6	1.41
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	11	1.41
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	11	1.41
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	13	1.41
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	13	1.41
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	15	1.41
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	15	1.41
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	17	1.41
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	17	1.41
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	9	1.41
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	13	1.41
(1,1440)	1:411:A:MET:HB2	1:411:A:MET:H	18	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	1	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	1	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	1	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	6	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	6	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	6	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	7	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	7	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	7	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	9	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	9	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	9	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	12	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	12	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	12	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	13	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	13	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	13	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	15	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	15	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	15	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	18	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	18	1.41
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	18	1.41
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	16	1.41
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	5	1.41
(1,1156)	1:410:A:TRP:HA	1:410:A:TRP:HE3	9	1.41
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	12	1.41
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	16	1.41
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	1	1.41
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	18	1.41
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	15	1.41
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	15	1.41
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	15	1.41
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	19	1.41
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	20	1.41
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	1	1.41
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	4	1.41
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	16	1.41
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	17	1.41
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	20	1.41
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	1	1.4
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	1	1.4
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	2	1.4
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	8	1.4
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	11	1.4
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	13	1.4
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	16	1.4
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	7	1.4
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	7	1.4
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	7	1.4
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	5	1.4
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	4	1.4
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	4	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	4	1.4
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	9	1.4
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	9	1.4
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	9	1.4
(1,4179)	1:382:A:PHE:H	1:463:A:VAL:HB	18	1.4
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	5	1.4
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	11	1.4
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	19	1.4
(1,3838)	1:410:A:TRP:HE3	1:421:A:HIS:HB3	9	1.4
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG21	8	1.4
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG22	8	1.4
(1,3815)	1:410:A:TRP:HD1	1:407:A:VAL:HG23	8	1.4
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	7	1.4
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	12	1.4
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	18	1.4
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	18	1.4
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	18	1.4
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	3	1.4
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	3	1.4
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	3	1.4
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	1	1.4
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	3	1.4
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	6	1.4
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	7	1.4
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	8	1.4
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	12	1.4
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	15	1.4
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	19	1.4
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	10	1.4
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	15	1.4
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	17	1.4
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	18	1.4
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	5	1.4
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	5	1.4
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	5	1.4
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	5	1.4
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	5	1.4
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	5	1.4
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	16	1.4
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	16	1.4
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	16	1.4
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	16	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	16	1.4
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	16	1.4
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	19	1.4
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	19	1.4
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	19	1.4
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	14	1.4
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	17	1.4
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	4	1.4
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	7	1.4
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	7	1.4
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD1	14	1.4
(1,3087)	1:429:A:TYR:HB3	1:429:A:TYR:HD2	14	1.4
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	18	1.4
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	6	1.4
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	8	1.4
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	15	1.4
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	1	1.4
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	12	1.4
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	6	1.4
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	6	1.4
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	6	1.4
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	6	1.4
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	6	1.4
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	6	1.4
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	12	1.4
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	12	1.4
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	12	1.4
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	12	1.4
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	12	1.4
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	12	1.4
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	13	1.4
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	13	1.4
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	13	1.4
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	13	1.4
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	13	1.4
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	13	1.4
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	14	1.4
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	15	1.4
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	17	1.4
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	20	1.4
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	7	1.4
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	7	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	8	1.4
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	8	1.4
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	10	1.4
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	10	1.4
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	12	1.4
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	12	1.4
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	9	1.4
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	9	1.4
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	9	1.4
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	19	1.4
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	19	1.4
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	19	1.4
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	15	1.4
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	4	1.4
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	19	1.4
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	3	1.4
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	6	1.4
(1,719)	1:352:A:GLN:HG2	1:352:A:GLN:H	20	1.4
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	20	1.4
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	5	1.4
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	6	1.4
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	8	1.4
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	10	1.4
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	11	1.4
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	18	1.4
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	15	1.4
(1,25)	1:434:A:TRP:HB3	1:434:A:TRP:H	18	1.4
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	10	1.39
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	17	1.39
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	18	1.39
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	2	1.39
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	2	1.39
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	2	1.39
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	3	1.39
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	3	1.39
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	3	1.39
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	4	1.39
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	4	1.39
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	4	1.39
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	14	1.39
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	13	1.39
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	18	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	13	1.39
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	13	1.39
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	13	1.39
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	13	1.39
(1,3980)	1:360:A:GLY:H	1:342:A:ASP:H	8	1.39
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	17	1.39
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	17	1.39
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	20	1.39
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	20	1.39
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	14	1.39
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG11	4	1.39
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG12	4	1.39
(1,3729)	1:425:A:TRP:HE3	1:407:A:VAL:HG13	4	1.39
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	2	1.39
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	2	1.39
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	2	1.39
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	11	1.39
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	11	1.39
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	11	1.39
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	4	1.39
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	10	1.39
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	13	1.39
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	14	1.39
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	17	1.39
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	18	1.39
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	20	1.39
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	1	1.39
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	3	1.39
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	19	1.39
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	15	1.39
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	15	1.39
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	15	1.39
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	15	1.39
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	15	1.39
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	15	1.39
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	16	1.39
(1,2806)	1:463:A:VAL:HB	1:464:A:LEU:H	19	1.39
(1,2806)	1:463:A:VAL:HB	1:464:A:LEU:H	20	1.39
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	20	1.39
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	1	1.39
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	4	1.39
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	5	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	12	1.39
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	18	1.39
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	2	1.39
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	2	1.39
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	2	1.39
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD11	11	1.39
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD12	11	1.39
(1,2639)	1:382:A:PHE:HB3	1:413:A:ILE:HD13	11	1.39
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	2	1.39
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	17	1.39
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	9	1.39
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	3	1.39
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	7	1.39
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	14	1.39
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	15	1.39
(1,1943)	1:372:A:LYS:HE3	1:372:A:LYS:HB2	11	1.39
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	7	1.39
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	18	1.39
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	19	1.39
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	5	1.39
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	11	1.39
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	13	1.39
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	16	1.39
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	3	1.39
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	3	1.39
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD1	20	1.39
(1,1535)	1:429:A:TYR:HB2	1:429:A:TYR:HD2	20	1.39
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	9	1.39
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	14	1.39
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	14	1.39
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	14	1.39
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	19	1.39
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	19	1.39
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	19	1.39
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	16	1.39
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	15	1.39
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	6	1.39
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	2	1.39
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	9	1.39
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	10	1.39
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	8	1.39
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	9	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	1	1.39
(1,596)	1:451:A:LYS:HB3	1:451:A:LYS:HE3	4	1.39
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	19	1.39
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	18	1.39
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	2	1.39
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	3	1.39
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	14	1.39
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	15	1.39
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	19	1.39
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	3	1.38
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	17	1.38
(1,4879)	1:395:A:GLY:H	1:405:A:SER:H	3	1.38
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	14	1.38
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	14	1.38
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	14	1.38
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	4	1.38
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	17	1.38
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	10	1.38
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	13	1.38
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	8	1.38
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	19	1.38
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	20	1.38
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	20	1.38
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	20	1.38
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	2	1.38
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	5	1.38
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	9	1.38
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	11	1.38
(1,3471)	1:354:A:MET:HB2	1:354:A:MET:HG3	16	1.38
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	5	1.38
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	5	1.38
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	5	1.38
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	2	1.38
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	4	1.38
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	7	1.38
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	8	1.38
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	9	1.38
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	13	1.38
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	6	1.38
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	3	1.38
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	10	1.38
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	19	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	11	1.38
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	9	1.38
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	10	1.38
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	13	1.38
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	20	1.38
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	15	1.38
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	14	1.38
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	12	1.38
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	13	1.38
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	16	1.38
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	5	1.38
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	5	1.38
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	5	1.38
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	5	1.38
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	5	1.38
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	5	1.38
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	18	1.38
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	11	1.38
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	19	1.38
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	10	1.38
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	17	1.38
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	3	1.38
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	12	1.38
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	8	1.38
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	8	1.38
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	8	1.38
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	18	1.38
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	18	1.38
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	18	1.38
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	5	1.38
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	9	1.38
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	1	1.38
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	2	1.38
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	5	1.38
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	6	1.38
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	7	1.38
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	9	1.38
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	11	1.38
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	15	1.38
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	19	1.38
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	1	1.38
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	3	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	1	1.38
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	15	1.38
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	5	1.38
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	9	1.38
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	3	1.38
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	4	1.38
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	2	1.38
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	15	1.38
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	15	1.37
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	15	1.37
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	15	1.37
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	15	1.37
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	7	1.37
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	11	1.37
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	11	1.37
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	11	1.37
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	20	1.37
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	20	1.37
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	20	1.37
(1,4179)	1:382:A:PHE:H	1:463:A:VAL:HB	6	1.37
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	20	1.37
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	3	1.37
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	5	1.37
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	5	1.37
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	9	1.37
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	9	1.37
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	1	1.37
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	3	1.37
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	4	1.37
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	5	1.37
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	6	1.37
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	7	1.37
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	10	1.37
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	11	1.37
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	12	1.37
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	13	1.37
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	14	1.37
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	16	1.37
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	17	1.37
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	18	1.37
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	20	1.37
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	12	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	12	1.37
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	12	1.37
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	5	1.37
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	12	1.37
(1,3273)	1:401:A:THR:HB	1:400:A:GLY:HA2	16	1.37
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	4	1.37
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	4	1.37
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	4	1.37
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	4	1.37
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	4	1.37
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	4	1.37
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	17	1.37
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	17	1.37
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	17	1.37
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	17	1.37
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	17	1.37
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	17	1.37
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	2	1.37
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	3	1.37
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	7	1.37
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	13	1.37
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	2	1.37
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	3	1.37
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	11	1.37
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	14	1.37
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	17	1.37
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	19	1.37
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	16	1.37
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	1	1.37
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	4	1.37
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	18	1.37
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	19	1.37
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	9	1.37
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	4	1.37
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	1	1.37
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	7	1.37
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	10	1.37
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	11	1.37
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	14	1.37
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	15	1.37
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	17	1.37
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	7	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	7	1.37
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	7	1.37
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	7	1.37
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	7	1.37
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	7	1.37
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	18	1.37
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	18	1.37
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	18	1.37
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	18	1.37
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	18	1.37
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	18	1.37
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD1	5	1.37
(1,2038)	1:453:A:LEU:HD11	1:356:A:TYR:HD2	5	1.37
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD1	5	1.37
(1,2038)	1:453:A:LEU:HD12	1:356:A:TYR:HD2	5	1.37
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD1	5	1.37
(1,2038)	1:453:A:LEU:HD13	1:356:A:TYR:HD2	5	1.37
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	15	1.37
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	8	1.37
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	9	1.37
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	11	1.37
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	16	1.37
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	2	1.37
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	3	1.37
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	7	1.37
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	8	1.37
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	10	1.37
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	12	1.37
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	15	1.37
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	17	1.37
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	20	1.37
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	15	1.37
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	4	1.37
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	4	1.37
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	4	1.37
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG11	17	1.37
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG12	17	1.37
(1,1339)	1:448:A:SER:HA	1:449:A:VAL:HG13	17	1.37
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	3	1.37
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	8	1.37
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	10	1.37
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	12	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	13	1.37
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	14	1.37
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	17	1.37
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	18	1.37
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	5	1.37
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	7	1.37
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	17	1.37
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	16	1.37
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	2	1.37
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	14	1.37
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	1	1.37
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	2	1.37
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	10	1.37
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	14	1.37
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	15	1.37
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	17	1.37
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	17	1.37
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	7	1.37
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	8	1.37
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	10	1.37
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	11	1.37
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	12	1.37
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	13	1.37
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	14	1.37
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	17	1.37
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	18	1.37
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	9	1.37
(1,56)	1:355:A:TRP:HB2	1:355:A:TRP:HE3	9	1.37
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	7	1.36
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	19	1.36
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	6	1.36
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	6	1.36
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	6	1.36
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	12	1.36
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	12	1.36
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	12	1.36
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	1	1.36
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	16	1.36
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	6	1.36
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	2	1.36
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	2	1.36
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	2	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	6	1.36
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	6	1.36
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	12	1.36
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	12	1.36
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	6	1.36
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	2	1.36
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	9	1.36
(1,3691)	1:425:A:TRP:HZ2	1:425:A:TRP:HE3	15	1.36
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	7	1.36
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	7	1.36
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	7	1.36
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	14	1.36
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	14	1.36
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	14	1.36
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	16	1.36
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	16	1.36
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	15	1.36
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	15	1.36
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	15	1.36
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	7	1.36
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	7	1.36
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	7	1.36
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	7	1.36
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	7	1.36
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	7	1.36
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	1	1.36
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	5	1.36
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	8	1.36
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	12	1.36
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	19	1.36
(1,2806)	1:463:A:VAL:HB	1:464:A:LEU:H	12	1.36
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	7	1.36
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	10	1.36
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	7	1.36
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	3	1.36
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	5	1.36
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	7	1.36
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	8	1.36
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	9	1.36
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	12	1.36
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	16	1.36
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	17	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	10	1.36
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	16	1.36
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	19	1.36
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	2	1.36
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	4	1.36
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	5	1.36
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	6	1.36
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	8	1.36
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	20	1.36
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	9	1.36
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	9	1.36
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	9	1.36
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	9	1.36
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	9	1.36
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	9	1.36
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	20	1.36
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	2	1.36
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	4	1.36
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	12	1.36
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	16	1.36
(1,1770)	1:372:A:LYS:HD3	1:372:A:LYS:HB2	6	1.36
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	4	1.36
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	6	1.36
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	14	1.36
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	20	1.36
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	4	1.36
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	16	1.36
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	20	1.36
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	4	1.36
(1,1220)	1:354:A:MET:HB2	1:354:A:MET:HA	20	1.36
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	3	1.36
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	7	1.36
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	2	1.36
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	17	1.36
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	10	1.36
(1,847)	1:342:A:ASP:HB3	1:344:A:TYR:H	12	1.36
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	6	1.36
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	7	1.36
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	12	1.36
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	16	1.36
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	18	1.36
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	19	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	1	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	2	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	3	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	4	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	5	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	6	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	7	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	8	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	9	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	10	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	11	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	12	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	13	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	14	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	15	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	16	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	18	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	19	1.36
(1,666)	1:344:A:TYR:HB3	1:344:A:TYR:HB2	20	1.36
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	5	1.36
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	19	1.36
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	5	1.36
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	6	1.36
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	9	1.36
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	16	1.36
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	8	1.36
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	4	1.35
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	13	1.35
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	8	1.35
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	8	1.35
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG21	5	1.35
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG22	5	1.35
(1,4628)	1:391:A:ALA:H	1:407:A:VAL:HG23	5	1.35
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	4	1.35
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	17	1.35
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	2	1.35
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	19	1.35
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	16	1.35
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	3	1.35
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	14	1.35
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	17	1.35
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	17	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	17	1.35
(1,3992)	1:397:A:ASN:HD22	1:403:A:TYR:HB3	13	1.35
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	10	1.35
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	10	1.35
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	16	1.35
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	16	1.35
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	18	1.35
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	18	1.35
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	2	1.35
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	3	1.35
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	4	1.35
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	4	1.35
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	11	1.35
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	11	1.35
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	11	1.35
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	6	1.35
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	6	1.35
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	6	1.35
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	14	1.35
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	14	1.35
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	14	1.35
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	14	1.35
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	14	1.35
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	14	1.35
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	4	1.35
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	4	1.35
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	4	1.35
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	4	1.35
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	11	1.35
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	13	1.35
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	14	1.35
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	17	1.35
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	15	1.35
(1,2806)	1:463:A:VAL:HB	1:464:A:LEU:H	17	1.35
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	5	1.35
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	11	1.35
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	12	1.35
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	14	1.35
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	7	1.35
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	2	1.35
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	3	1.35
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	5	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	10	1.35
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	14	1.35
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	5	1.35
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	13	1.35
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	15	1.35
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	18	1.35
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	9	1.35
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	3	1.35
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	18	1.35
(1,2143)	1:432:A:ASP:HA	1:433:A:LEU:H	19	1.35
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	11	1.35
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	11	1.35
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	11	1.35
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	11	1.35
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	11	1.35
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	11	1.35
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	14	1.35
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	14	1.35
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	14	1.35
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	14	1.35
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	14	1.35
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	14	1.35
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	13	1.35
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	20	1.35
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	9	1.35
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	10	1.35
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	9	1.35
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	13	1.35
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	1	1.35
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	15	1.35
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	2	1.35
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	5	1.35
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	3	1.35
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	1	1.35
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	18	1.35
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	19	1.35
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	1	1.35
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	1	1.35
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	1	1.35
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	2	1.35
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	2	1.35
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	2	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	11	1.35
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	11	1.35
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	11	1.35
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	17	1.35
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	17	1.35
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	17	1.35
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	2	1.35
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	6	1.35
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	13	1.35
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	14	1.35
(1,1182)	1:360:A:GLY:HA3	1:359:A:ASP:HB2	17	1.35
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	9	1.35
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	11	1.35
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	16	1.35
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	20	1.35
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	13	1.35
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	20	1.35
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	3	1.35
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	16	1.35
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	3	1.35
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	4	1.35
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	15	1.35
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	4	1.35
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	11	1.35
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	20	1.35
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	10	1.34
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	14	1.34
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	18	1.34
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	20	1.34
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	7	1.34
(1,4966)	1:440:A:HIS:H	1:439:A:SER:HA	20	1.34
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	2	1.34
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	6	1.34
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	14	1.34
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	20	1.34
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	6	1.34
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	18	1.34
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	18	1.34
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	18	1.34
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	1	1.34
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	6	1.34
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	18	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	13	1.34
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	2	1.34
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	19	1.34
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	19	1.34
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	1	1.34
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	1	1.34
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	6	1.34
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	6	1.34
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	1	1.34
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	4	1.34
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	5	1.34
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	6	1.34
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	8	1.34
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	9	1.34
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	10	1.34
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	11	1.34
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	12	1.34
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	13	1.34
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	14	1.34
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	15	1.34
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	17	1.34
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	18	1.34
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	19	1.34
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	20	1.34
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	16	1.34
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	16	1.34
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	16	1.34
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	1	1.34
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	1	1.34
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	1	1.34
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	8	1.34
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	8	1.34
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	8	1.34
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	10	1.34
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	10	1.34
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	10	1.34
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	9	1.34
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	15	1.34
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	16	1.34
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	18	1.34
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	10	1.34
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	19	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	1	1.34
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	10	1.34
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	5	1.34
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	18	1.34
(1,2694)	1:406:A:PRO:HB2	1:405:A:SER:HA	16	1.34
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	12	1.34
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	13	1.34
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	19	1.34
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	6	1.34
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	11	1.34
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	13	1.34
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	3	1.34
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	4	1.34
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	9	1.34
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	14	1.34
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	18	1.34
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	11	1.34
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	12	1.34
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	14	1.34
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	1	1.34
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	4	1.34
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	5	1.34
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	6	1.34
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	8	1.34
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	9	1.34
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	10	1.34
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	11	1.34
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	12	1.34
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	13	1.34
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	14	1.34
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	15	1.34
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	17	1.34
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	18	1.34
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	19	1.34
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	20	1.34
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	1	1.34
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	1	1.34
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	1	1.34
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	1	1.34
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	1	1.34
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	1	1.34
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	4	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	4	1.34
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	4	1.34
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	4	1.34
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	4	1.34
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	4	1.34
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	10	1.34
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	10	1.34
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	10	1.34
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	10	1.34
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	10	1.34
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	10	1.34
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	12	1.34
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	3	1.34
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	14	1.34
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	18	1.34
(1,1996)	1:340:A:MET:HB2	1:340:A:MET:H	15	1.34
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	11	1.34
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	4	1.34
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	7	1.34
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	15	1.34
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	15	1.34
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	15	1.34
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	20	1.34
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	20	1.34
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	20	1.34
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	1	1.34
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	8	1.34
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	12	1.34
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	11	1.34
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	20	1.34
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	7	1.34
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	8	1.34
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	9	1.34
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	20	1.34
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	5	1.34
(1,699)	1:397:A:ASN:HA	1:397:A:ASN:H	11	1.34
(1,464)	1:438:A:GLY:HA3	1:439:A:SER:HB3	18	1.34
(1,384)	1:368:A:ILE:HG13	1:368:A:ILE:H	1	1.34
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	6	1.33
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	12	1.33
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	6	1.33
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	11	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	14	1.33
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	15	1.33
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	1	1.33
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	4	1.33
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	5	1.33
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	10	1.33
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	19	1.33
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	2	1.33
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	2	1.33
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	4	1.33
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	4	1.33
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	8	1.33
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	8	1.33
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	11	1.33
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	11	1.33
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	18	1.33
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	19	1.33
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	2	1.33
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	3	1.33
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	7	1.33
(1,3389)	1:412:A:PRO:HD2	1:412:A:PRO:HD3	16	1.33
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	10	1.33
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	10	1.33
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	10	1.33
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	3	1.33
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	3	1.33
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	3	1.33
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	6	1.33
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	6	1.33
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	6	1.33
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	15	1.33
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	15	1.33
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	15	1.33
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	20	1.33
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	17	1.33
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	14	1.33
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	19	1.33
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	4	1.33
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	8	1.33
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	10	1.33
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	11	1.33
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	14	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	15	1.33
(1,2496)	1:434:A:TRP:HB3	1:434:A:TRP:HA	20	1.33
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	1	1.33
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	6	1.33
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	8	1.33
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	12	1.33
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	17	1.33
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	20	1.33
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	1	1.33
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	4	1.33
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	6	1.33
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	7	1.33
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	17	1.33
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	19	1.33
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	2	1.33
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	3	1.33
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	7	1.33
(1,2262)	1:412:A:PRO:HD3	1:412:A:PRO:HD2	16	1.33
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	17	1.33
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	16	1.33
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	16	1.33
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	16	1.33
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	16	1.33
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	16	1.33
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	16	1.33
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	17	1.33
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	17	1.33
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	17	1.33
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	17	1.33
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	17	1.33
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	17	1.33
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	2	1.33
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	5	1.33
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	6	1.33
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	7	1.33
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	15	1.33
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	6	1.33
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	13	1.33
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	5	1.33
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	7	1.33
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	11	1.33
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	5	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	3	1.33
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	18	1.33
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	16	1.33
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	15	1.33
(1,1536)	1:419:A:GLY:HA3	1:420:A:ILE:H	9	1.33
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	14	1.33
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	14	1.33
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	14	1.33
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	2	1.33
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	4	1.33
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	17	1.33
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	13	1.33
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	19	1.33
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	20	1.33
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	5	1.33
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	4	1.33
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	10	1.33
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	14	1.33
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	15	1.33
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	19	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	1	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	2	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	3	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	4	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	5	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	6	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	7	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	8	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	9	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	10	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	11	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	12	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	13	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	14	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	15	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	16	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	17	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	18	1.33
(1,849)	1:385:A:TRP:HB3	1:385:A:TRP:HB2	19	1.33
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	11	1.33
(1,624)	1:407:A:VAL:HG21	1:389:A:GLU:HA	12	1.33
(1,624)	1:407:A:VAL:HG22	1:389:A:GLU:HA	12	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:407:A:VAL:HG23	1:389:A:GLU:HA	12	1.33
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	12	1.33
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	8	1.32
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	19	1.32
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	1	1.32
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	15	1.32
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	17	1.32
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	1	1.32
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	5	1.32
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	7	1.32
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	8	1.32
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	15	1.32
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	18	1.32
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	19	1.32
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	20	1.32
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	7	1.32
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG21	1	1.32
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG22	1	1.32
(1,4225)	1:392:A:THR:H	1:407:A:VAL:HG23	1	1.32
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	5	1.32
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	13	1.32
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	4	1.32
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	7	1.32
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	8	1.32
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	12	1.32
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	17	1.32
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	20	1.32
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	3	1.32
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	3	1.32
(1,3849)	1:383:A:TYR:HE1	1:344:A:TYR:HB2	15	1.32
(1,3849)	1:383:A:TYR:HE2	1:344:A:TYR:HB2	15	1.32
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	4	1.32
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	15	1.32
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	16	1.32
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	17	1.32
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG11	16	1.32
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG12	16	1.32
(1,3640)	1:425:A:TRP:HZ2	1:407:A:VAL:HG13	16	1.32
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	3	1.32
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	3	1.32
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	3	1.32
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	1	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	1	1.32
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	1	1.32
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	1	1.32
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	1	1.32
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	1	1.32
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	17	1.32
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	17	1.32
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	17	1.32
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	16	1.32
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	8	1.32
(1,3144)	1:341:A:GLU:HA	1:340:A:MET:H	13	1.32
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	1	1.32
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	4	1.32
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	8	1.32
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	9	1.32
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	17	1.32
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	19	1.32
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	20	1.32
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	16	1.32
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	17	1.32
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	16	1.32
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	2	1.32
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	3	1.32
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	6	1.32
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	16	1.32
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	17	1.32
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	16	1.32
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	4	1.32
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	6	1.32
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	9	1.32
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	2	1.32
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	7	1.32
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	11	1.32
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	2	1.32
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	3	1.32
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	20	1.32
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	13	1.32
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	13	1.32
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	13	1.32
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	13	1.32
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	13	1.32
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	13	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	12	1.32
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	14	1.32
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	5	1.32
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	8	1.32
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	16	1.32
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	16	1.32
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	4	1.32
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	5	1.32
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	8	1.32
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	13	1.32
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	16	1.32
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	13	1.32
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	8	1.32
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	14	1.32
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	7	1.32
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	7	1.32
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	7	1.32
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	11	1.32
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	8	1.32
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	12	1.32
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	19	1.32
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	1	1.32
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	7	1.32
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	8	1.32
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	9	1.32
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	11	1.32
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	12	1.32
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	13	1.32
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	16	1.32
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	17	1.32
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	18	1.32
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	20	1.32
(1,843)	1:389:A:GLU:HG2	1:389:A:GLU:HA	10	1.32
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	8	1.32
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	19	1.32
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	1	1.32
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	7	1.32
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	17	1.32
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	19	1.32
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	9	1.31
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	11	1.31
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	5	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	2	1.31
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	9	1.31
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	8	1.31
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	10	1.31
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	2	1.31
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	4	1.31
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	12	1.31
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	14	1.31
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	17	1.31
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	13	1.31
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	2	1.31
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	9	1.31
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	16	1.31
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	20	1.31
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	6	1.31
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	14	1.31
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	15	1.31
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	1	1.31
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	5	1.31
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	10	1.31
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	19	1.31
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	19	1.31
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	7	1.31
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	7	1.31
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	7	1.31
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	9	1.31
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	9	1.31
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	9	1.31
(1,3191)	1:459:A:LYS:HB3	1:458:A:GLU:HA	10	1.31
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	2	1.31
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	3	1.31
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	5	1.31
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	6	1.31
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	7	1.31
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	10	1.31
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	11	1.31
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	12	1.31
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	13	1.31
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	15	1.31
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	16	1.31
(1,3070)	1:384:A:VAL:HB	1:384:A:VAL:HA	18	1.31
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	8	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	11	1.31
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	12	1.31
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	16	1.31
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	17	1.31
(1,2806)	1:463:A:VAL:HB	1:464:A:LEU:H	13	1.31
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	3	1.31
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	8	1.31
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	3	1.31
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	1	1.31
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	17	1.31
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	20	1.31
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	15	1.31
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	5	1.31
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	15	1.31
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	18	1.31
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	16	1.31
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	18	1.31
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	15	1.31
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	15	1.31
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	15	1.31
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	15	1.31
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	15	1.31
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	15	1.31
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	4	1.31
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	8	1.31
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	11	1.31
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	19	1.31
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	15	1.31
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	20	1.31
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	6	1.31
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	15	1.31
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	16	1.31
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	13	1.31
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	1	1.31
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	3	1.31
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	11	1.31
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	17	1.31
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	1	1.31
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	13	1.31
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	13	1.31
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	13	1.31
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	1	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	10	1.31
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	1	1.31
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	6	1.31
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	12	1.31
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	18	1.31
(1,1011)	1:382:A:PHE:HB2	1:382:A:PHE:H	2	1.31
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	2	1.31
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	5	1.31
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	4	1.31
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	16	1.31
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	17	1.31
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	7	1.31
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	13	1.31
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	2	1.3
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	5	1.3
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	6	1.3
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	14	1.3
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	20	1.3
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	7	1.3
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	10	1.3
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	3	1.3
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	8	1.3
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	18	1.3
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	12	1.3
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	14	1.3
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	13	1.3
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	13	1.3
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	13	1.3
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	14	1.3
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	14	1.3
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	14	1.3
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	2	1.3
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	2	1.3
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	2	1.3
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	11	1.3
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	9	1.3
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	14	1.3
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	8	1.3
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	11	1.3
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	18	1.3
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	9	1.3
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	1	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	6	1.3
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	9	1.3
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	2	1.3
(1,2519)	1:422:A:ASP:HA	1:421:A:HIS:HB3	18	1.3
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	16	1.3
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	1	1.3
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	2	1.3
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	11	1.3
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	8	1.3
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	8	1.3
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	8	1.3
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	8	1.3
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	8	1.3
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	8	1.3
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	19	1.3
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	19	1.3
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	19	1.3
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	19	1.3
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	19	1.3
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	19	1.3
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD1	20	1.3
(1,2134)	1:457:A:VAL:HG11	1:356:A:TYR:HD2	20	1.3
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD1	20	1.3
(1,2134)	1:457:A:VAL:HG12	1:356:A:TYR:HD2	20	1.3
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD1	20	1.3
(1,2134)	1:457:A:VAL:HG13	1:356:A:TYR:HD2	20	1.3
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	3	1.3
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	9	1.3
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	17	1.3
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	8	1.3
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	17	1.3
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	1	1.3
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	2	1.3
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	3	1.3
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	4	1.3
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	5	1.3
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	7	1.3
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	8	1.3
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	10	1.3
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	12	1.3
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	17	1.3
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	18	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	19	1.3
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	20	1.3
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	3	1.3
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	9	1.3
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	1	1.3
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	2	1.3
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	3	1.3
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	4	1.3
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	5	1.3
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	6	1.3
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	7	1.3
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	9	1.3
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	10	1.3
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	12	1.3
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	13	1.3
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	14	1.3
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	15	1.3
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	17	1.3
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	18	1.3
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	19	1.3
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	20	1.3
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	2	1.3
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	6	1.3
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	9	1.3
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	14	1.3
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	15	1.3
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	19	1.3
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	10	1.3
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	18	1.3
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	18	1.3
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	19	1.3
(1,1196)	1:435:A:LYS:HG2	1:435:A:LYS:HA	18	1.3
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	1	1.3
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	2	1.3
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	3	1.3
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	4	1.3
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	8	1.3
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	10	1.3
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	14	1.3
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	16	1.3
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	8	1.3
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	3	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:456:A:MET:HG2	1:456:A:MET:H	6	1.3
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	8	1.3
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	10	1.3
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	2	1.3
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	14	1.3
(1,102)	1:352:A:GLN:HA	1:352:A:GLN:HG3	19	1.3
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	20	1.3
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	11	1.29
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	11	1.29
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	11	1.29
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	17	1.29
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	5	1.29
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	9	1.29
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	11	1.29
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	16	1.29
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	17	1.29
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	19	1.29
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	3	1.29
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	13	1.29
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	4	1.29
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	11	1.29
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	17	1.29
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	3	1.29
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	13	1.29
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	13	1.29
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	4	1.29
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	4	1.29
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	4	1.29
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	8	1.29
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	8	1.29
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	8	1.29
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	9	1.29
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	9	1.29
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	9	1.29
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	11	1.29
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	11	1.29
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	11	1.29
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	17	1.29
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	17	1.29
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	17	1.29
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	19	1.29
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	19	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	19	1.29
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	20	1.29
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	20	1.29
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	20	1.29
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	11	1.29
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	11	1.29
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	11	1.29
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	16	1.29
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	16	1.29
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	16	1.29
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	20	1.29
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	20	1.29
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	20	1.29
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	12	1.29
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	6	1.29
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	14	1.29
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	16	1.29
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	13	1.29
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	15	1.29
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	9	1.29
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	15	1.29
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	10	1.29
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	12	1.29
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	14	1.29
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	10	1.29
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	16	1.29
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	17	1.29
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	9	1.29
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	11	1.29
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	13	1.29
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	14	1.29
(1,1857)	1:405:A:SER:HA	1:405:A:SER:H	16	1.29
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	1	1.29
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	2	1.29
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	5	1.29
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	7	1.29
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	8	1.29
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	15	1.29
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	19	1.29
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	20	1.29
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	8	1.29
(1,1792)	1:368:A:ILE:HA	1:368:A:ILE:H	11	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	2	1.29
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	9	1.29
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	7	1.29
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	12	1.29
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	17	1.29
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	17	1.29
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	10	1.29
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	10	1.29
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	10	1.29
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	12	1.29
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	12	1.29
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	12	1.29
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	15	1.29
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	18	1.29
(1,733)	1:341:A:GLU:HB2	1:340:A:MET:HA	12	1.29
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	12	1.29
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	14	1.29
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	6	1.29
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	9	1.29
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	11	1.29
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	12	1.29
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	14	1.29
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	9	1.28
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	16	1.28
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	3	1.28
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	20	1.28
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	13	1.28
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	13	1.28
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	13	1.28
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	1	1.28
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	7	1.28
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	8	1.28
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	18	1.28
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	19	1.28
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	3	1.28
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	17	1.28
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	9	1.28
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	16	1.28
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	7	1.28
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	19	1.28
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	16	1.28
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	7	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	20	1.28
(1,3804)	1:434:A:TRP:HD1	1:435:A:LYS:HB3	20	1.28
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	7	1.28
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	7	1.28
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG21	5	1.28
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG22	5	1.28
(1,3555)	1:425:A:TRP:HH2	1:407:A:VAL:HG23	5	1.28
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	18	1.28
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	18	1.28
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	18	1.28
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	14	1.28
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	14	1.28
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	14	1.28
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	13	1.28
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	9	1.28
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	15	1.28
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	5	1.28
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	13	1.28
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	15	1.28
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	18	1.28
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	2	1.28
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	6	1.28
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	14	1.28
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	12	1.28
(1,2761)	1:404:A:GLU:HB3	1:403:A:TYR:HA	1	1.28
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	3	1.28
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	4	1.28
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	8	1.28
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	11	1.28
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	14	1.28
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	18	1.28
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	8	1.28
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	19	1.28
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	20	1.28
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	13	1.28
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	20	1.28
(1,2123)	1:374:A:THR:HA	1:373:A:PRO:HA	1	1.28
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	19	1.28
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	18	1.28
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	4	1.28
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	6	1.28
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	10	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	11	1.28
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	13	1.28
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	14	1.28
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	16	1.28
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	18	1.28
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	20	1.28
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	6	1.28
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	6	1.28
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	6	1.28
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	18	1.28
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	4	1.28
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	9	1.28
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	10	1.28
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	2	1.28
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	15	1.28
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	20	1.28
(1,843)	1:389:A:GLU:HG2	1:389:A:GLU:HA	13	1.28
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	4	1.28
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	3	1.28
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	1	1.28
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	2	1.28
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	4	1.28
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	5	1.28
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	7	1.28
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	14	1.28
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	15	1.28
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	16	1.28
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	17	1.28
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	18	1.28
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	19	1.28
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	20	1.28
(1,5005)	1:380:A:GLY:H	1:465:A:VAL:HB	16	1.27
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	8	1.27
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	9	1.27
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	9	1.27
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	3	1.27
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	3	1.27
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	3	1.27
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	3	1.27
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	4	1.27
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	15	1.27
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	20	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	18	1.27
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	4	1.27
(1,4502)	1:413:A:ILE:H	1:412:A:PRO:HA	11	1.27
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	12	1.27
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	9	1.27
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	8	1.27
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	2	1.27
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	2	1.27
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	7	1.27
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	7	1.27
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	7	1.27
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	17	1.27
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	1	1.27
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	1	1.27
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	1	1.27
(1,3305)	1:407:A:VAL:HG21	1:421:A:HIS:HB2	2	1.27
(1,3305)	1:407:A:VAL:HG22	1:421:A:HIS:HB2	2	1.27
(1,3305)	1:407:A:VAL:HG23	1:421:A:HIS:HB2	2	1.27
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	7	1.27
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	7	1.27
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	7	1.27
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	13	1.27
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	13	1.27
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	13	1.27
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	8	1.27
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	17	1.27
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	20	1.27
(1,3015)	1:412:A:PRO:HG2	1:386:A:ASN:HB3	13	1.27
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	2	1.27
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	6	1.27
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	7	1.27
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	1	1.27
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	4	1.27
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	7	1.27
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	10	1.27
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	17	1.27
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	20	1.27
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	8	1.27
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	10	1.27
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	19	1.27
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	20	1.27
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	14	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	15	1.27
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	1	1.27
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	6	1.27
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	7	1.27
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	19	1.27
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	13	1.27
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	17	1.27
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	7	1.27
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	9	1.27
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	15	1.27
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	4	1.27
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	13	1.27
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	14	1.27
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	3	1.27
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	12	1.27
(1,1833)	1:410:A:TRP:HB3	1:410:A:TRP:HD1	17	1.27
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	10	1.27
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	11	1.27
(1,1754)	1:433:A:LEU:HB2	1:433:A:LEU:H	10	1.27
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	1	1.27
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	2	1.27
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	6	1.27
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	9	1.27
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	11	1.27
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	14	1.27
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	4	1.27
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	20	1.27
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	18	1.27
(1,1333)	1:367:A:ASP:HB2	1:367:A:ASP:H	8	1.27
(1,1333)	1:367:A:ASP:HB2	1:367:A:ASP:H	11	1.27
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	3	1.27
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	7	1.27
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	8	1.27
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	11	1.27
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	12	1.27
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	15	1.27
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	16	1.27
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	18	1.27
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	11	1.27
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	6	1.27
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	6	1.27
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	17	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	19	1.27
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	17	1.27
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	3	1.27
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	6	1.27
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	8	1.27
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	10	1.27
(1,121)	1:438:A:GLY:HA2	1:438:A:GLY:H	13	1.27
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	1	1.26
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	1	1.26
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	3	1.26
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	3	1.26
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	7	1.26
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	7	1.26
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	13	1.26
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	13	1.26
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	15	1.26
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	15	1.26
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	20	1.26
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	20	1.26
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	9	1.26
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	9	1.26
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	9	1.26
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	20	1.26
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	20	1.26
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	20	1.26
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	10	1.26
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	7	1.26
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	8	1.26
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	9	1.26
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	5	1.26
(1,4093)	1:441:A:GLY:H	1:371:A:GLY:HA2	10	1.26
(1,3907)	1:413:A:ILE:H	1:414:A:ASP:H	11	1.26
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	6	1.26
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	13	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	1	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	2	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	3	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	4	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	5	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	6	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	7	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	8	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	9	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	10	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	11	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	12	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	13	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	14	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	15	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	16	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	18	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	19	1.26
(1,3414)	1:344:A:TYR:HB2	1:344:A:TYR:HB3	20	1.26
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	2	1.26
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	16	1.26
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	18	1.26
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	20	1.26
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	10	1.26
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	5	1.26
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	3	1.26
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	9	1.26
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	12	1.26
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	19	1.26
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	3	1.26
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	4	1.26
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	7	1.26
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	9	1.26
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	13	1.26
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	15	1.26
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	11	1.26
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	20	1.26
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	4	1.26
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	12	1.26
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	13	1.26
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	11	1.26
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	12	1.26
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	13	1.26
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	16	1.26
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	17	1.26
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	20	1.26
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	6	1.26
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	1	1.26
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	16	1.26
(1,1777)	1:416:A:THR:HA	1:417:A:GLY:HA2	4	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	2	1.26
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	5	1.26
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	9	1.26
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	11	1.26
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	16	1.26
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	10	1.26
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	12	1.26
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	19	1.26
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	11	1.26
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	7	1.26
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	11	1.26
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	1	1.26
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	2	1.26
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	3	1.26
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	5	1.26
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	6	1.26
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	13	1.26
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	14	1.26
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	17	1.26
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	19	1.26
(1,1233)	1:426:A:GLN:HB2	1:426:A:GLN:HB3	20	1.26
(1,1218)	1:414:A:ASP:HB2	1:415:A:TRP:H	3	1.26
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	3	1.26
(1,1157)	1:359:A:ASP:HB3	1:360:A:GLY:HA2	5	1.26
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	13	1.26
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	1	1.26
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	2	1.26
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	7	1.26
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	14	1.26
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	18	1.26
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	12	1.26
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	6	1.25
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	6	1.25
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	10	1.25
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	10	1.25
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	18	1.25
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	18	1.25
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	6	1.25
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	13	1.25
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	1	1.25
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	1	1.25
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	1	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	18	1.25
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	18	1.25
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	18	1.25
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	12	1.25
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	6	1.25
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	13	1.25
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	15	1.25
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	11	1.25
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	3	1.25
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	11	1.25
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	13	1.25
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	14	1.25
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	12	1.25
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	12	1.25
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	12	1.25
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	3	1.25
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	1	1.25
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	2	1.25
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	3	1.25
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	19	1.25
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	5	1.25
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	8	1.25
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	18	1.25
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	2	1.25
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	3	1.25
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	5	1.25
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	6	1.25
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	7	1.25
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	18	1.25
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	5	1.25
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	2	1.25
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	5	1.25
(1,2413)	1:446:A:PRO:HD3	1:445:A:THR:HA	10	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	1	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	2	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	3	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	4	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	5	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	6	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	7	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	8	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	9	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	10	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	11	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	12	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	13	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	14	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	15	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	16	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	17	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	18	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	19	1.25
(1,2260)	1:348:A:ASP:HB2	1:348:A:ASP:HB3	20	1.25
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	4	1.25
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	3	1.25
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	8	1.25
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	10	1.25
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	11	1.25
(1,1996)	1:340:A:MET:HB2	1:340:A:MET:H	5	1.25
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	13	1.25
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	15	1.25
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	19	1.25
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	4	1.25
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	18	1.25
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	5	1.25
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	5	1.25
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	5	1.25
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	5	1.25
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	5	1.25
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	5	1.25
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	5	1.25
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	5	1.25
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	5	1.25
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	3	1.25
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	4	1.25
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	8	1.25
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	10	1.25
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	11	1.25
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	13	1.25
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	18	1.25
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	19	1.25
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	20	1.25
(1,1333)	1:367:A:ASP:HB2	1:367:A:ASP:H	4	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	1	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	2	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	3	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	4	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	5	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	6	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	7	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	8	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	9	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	10	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	11	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	12	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	13	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	14	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	15	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	16	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	17	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	18	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	19	1.25
(1,1279)	1:429:A:TYR:HB3	1:429:A:TYR:HB2	20	1.25
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	2	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	1	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	2	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	3	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	4	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	5	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	6	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	7	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	8	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	9	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	10	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	11	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	12	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	13	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	14	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	15	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	16	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	17	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	18	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	19	1.25
(1,762)	1:380:A:GLY:HA2	1:380:A:GLY:HA3	20	1.25
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	1	1.25
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	2	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	9	1.25
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	15	1.25
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	20	1.25
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	3	1.25
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	5	1.25
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	6	1.25
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	8	1.25
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	9	1.25
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	11	1.25
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	13	1.25
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	15	1.25
(1,283)	1:447:A:PRO:HA	1:448:A:SER:HB2	14	1.25
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	4	1.24
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	4	1.24
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	11	1.24
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	10	1.24
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	10	1.24
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	10	1.24
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	17	1.24
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	17	1.24
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	17	1.24
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	13	1.24
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	12	1.24
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	19	1.24
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	2	1.24
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	8	1.24
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	11	1.24
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	9	1.24
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	9	1.24
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	15	1.24
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	15	1.24
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	5	1.24
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	6	1.24
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	9	1.24
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	12	1.24
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	15	1.24
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	19	1.24
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	12	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	1	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	2	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	3	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	4	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	5	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	6	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	7	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	8	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	9	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	10	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	11	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	12	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	13	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	14	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	15	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	16	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	17	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	18	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	19	1.24
(1,3156)	1:453:A:LEU:HB3	1:453:A:LEU:HB2	20	1.24
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	11	1.24
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	13	1.24
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	18	1.24
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	18	1.24
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	18	1.24
(1,3010)	1:360:A:GLY:HA2	1:359:A:ASP:HA	2	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	1	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	2	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	3	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	4	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	5	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	6	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	7	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	8	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	9	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	10	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	11	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	12	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	13	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	14	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	15	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	16	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	17	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	18	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	19	1.24
(1,2934)	1:435:A:LYS:HG2	1:435:A:LYS:HG3	20	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	11	1.24
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	6	1.24
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	12	1.24
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	8	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	1	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	1	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	1	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	2	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	2	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	2	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	3	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	3	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	3	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	4	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	4	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	4	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	6	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	6	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	6	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	8	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	8	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	8	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	9	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	9	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	9	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	12	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	12	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	12	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	14	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	14	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	14	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	15	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	15	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	15	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	16	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	16	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	16	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	20	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	20	1.24
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	20	1.24
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	8	1.24
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	17	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	1	1.24
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	4	1.24
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	8	1.24
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	9	1.24
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	10	1.24
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	11	1.24
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	12	1.24
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	13	1.24
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	14	1.24
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	15	1.24
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	16	1.24
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	17	1.24
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	19	1.24
(1,2680)	1:386:A:ASN:HB3	1:386:A:ASN:HB2	20	1.24
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	10	1.24
(1,2353)	1:450:A:MET:HA	1:451:A:LYS:HB3	8	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	1	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	2	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	3	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	4	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	5	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	6	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	7	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	8	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	9	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	10	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	11	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	12	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	13	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	14	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	15	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	16	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	17	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	18	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	19	1.24
(1,2252)	1:433:A:LEU:HB3	1:433:A:LEU:HB2	20	1.24
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	1	1.24
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	2	1.24
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	4	1.24
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	5	1.24
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	6	1.24
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	7	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	9	1.24
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	12	1.24
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	13	1.24
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	14	1.24
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	15	1.24
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	16	1.24
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	17	1.24
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	18	1.24
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	19	1.24
(1,2129)	1:446:A:PRO:HB3	1:446:A:PRO:HB2	20	1.24
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	2	1.24
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	8	1.24
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	12	1.24
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	7	1.24
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	8	1.24
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	18	1.24
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	7	1.24
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	9	1.24
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	18	1.24
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	8	1.24
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	1	1.24
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	2	1.24
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	5	1.24
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	6	1.24
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	7	1.24
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	9	1.24
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	12	1.24
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	14	1.24
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	15	1.24
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	16	1.24
(1,1390)	1:355:A:TRP:HB2	1:355:A:TRP:HB3	17	1.24
(1,1333)	1:367:A:ASP:HB2	1:367:A:ASP:H	1	1.24
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	1	1.24
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	2	1.24
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	3	1.24
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	4	1.24
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	5	1.24
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	7	1.24
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	8	1.24
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	9	1.24
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	10	1.24
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	12	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	14	1.24
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	16	1.24
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	17	1.24
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	19	1.24
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	13	1.24
(1,1123)	1:372:A:LYS:HB3	1:372:A:LYS:H	15	1.24
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	3	1.24
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	4	1.24
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	6	1.24
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	8	1.24
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	18	1.24
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	20	1.24
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	11	1.24
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	4	1.24
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	12	1.24
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	16	1.24
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	20	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	1	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	2	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	3	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	4	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	5	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	6	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	7	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	8	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	9	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	10	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	11	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	12	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	13	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	14	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	15	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	16	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	17	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	18	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	19	1.24
(1,232)	1:413:A:ILE:HG13	1:413:A:ILE:HG12	20	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	1	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	2	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	3	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	4	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	5	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	6	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	7	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	8	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	9	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	10	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	11	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	12	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	13	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	14	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	15	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	16	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	17	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	18	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	19	1.24
(1,217)	1:453:A:LEU:HB2	1:453:A:LEU:HB3	20	1.24
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	1	1.24
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	1	1.24
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	1	1.24
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	6	1.24
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	8	1.23
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	8	1.23
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	12	1.23
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	12	1.23
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	19	1.23
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	19	1.23
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	15	1.23
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	1	1.23
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	7	1.23
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	10	1.23
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	4	1.23
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	4	1.23
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	4	1.23
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	8	1.23
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	8	1.23
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	8	1.23
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	19	1.23
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	19	1.23
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	19	1.23
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	13	1.23
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	19	1.23
(1,4649)	1:379:A:ALA:H	1:378:A:PRO:HD2	2	1.23
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	18	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	15	1.23
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	12	1.23
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	1	1.23
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	4	1.23
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	5	1.23
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	10	1.23
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	19	1.23
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	18	1.23
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	9	1.23
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	6	1.23
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	6	1.23
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	6	1.23
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	12	1.23
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	12	1.23
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	12	1.23
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	17	1.23
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	6	1.23
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	6	1.23
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	6	1.23
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	6	1.23
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	6	1.23
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	6	1.23
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	1	1.23
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	1	1.23
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	1	1.23
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	2	1.23
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	2	1.23
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	2	1.23
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	7	1.23
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	8	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	5	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	5	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	5	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	7	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	7	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	7	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	10	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	10	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	10	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	11	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	11	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	11	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	13	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	13	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	13	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	17	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	17	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	17	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	18	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	18	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	18	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD21	19	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD22	19	1.23
(1,2864)	1:364:A:LEU:HG	1:364:A:LEU:HD23	19	1.23
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	2	1.23
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	20	1.23
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	16	1.23
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	4	1.23
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	12	1.23
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	10	1.23
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	5	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	1	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	2	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	3	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	4	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	5	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	6	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	7	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	8	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	9	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	10	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	11	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	12	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	13	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	14	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	15	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	16	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	17	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	18	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	19	1.23
(1,2254)	1:446:A:PRO:HG3	1:446:A:PRO:HG2	20	1.23
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	3	1.23
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	5	1.23
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	13	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	6	1.23
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	10	1.23
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	1	1.23
(1,1333)	1:367:A:ASP:HB2	1:367:A:ASP:H	7	1.23
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	6	1.23
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	8	1.23
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	11	1.23
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	16	1.23
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	11	1.23
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	12	1.23
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	13	1.23
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	19	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	1	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	2	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	3	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	4	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	5	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	6	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	7	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	8	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	9	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	10	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	11	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	12	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	13	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	14	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	15	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	16	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	17	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	18	1.23
(1,682)	1:385:A:TRP:HB2	1:385:A:TRP:HB3	19	1.23
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	17	1.23
(1,452)	1:422:A:ASP:HB3	1:422:A:ASP:H	18	1.23
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	2	1.23
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	16	1.23
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	10	1.23
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	12	1.23
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	2	1.22
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	2	1.22
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	14	1.22
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	14	1.22
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	16	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	16	1.22
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	17	1.22
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	17	1.22
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	15	1.22
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	18	1.22
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	1	1.22
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	8	1.22
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	2	1.22
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	4	1.22
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	10	1.22
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	7	1.22
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	8	1.22
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	12	1.22
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	17	1.22
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	20	1.22
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	1	1.22
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	17	1.22
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	7	1.22
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	2	1.22
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	17	1.22
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	1	1.22
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	3	1.22
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	3	1.22
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	3	1.22
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	3	1.22
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	10	1.22
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	6	1.22
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	2	1.22
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	2	1.22
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	2	1.22
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	2	1.22
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	2	1.22
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	2	1.22
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	3	1.22
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	3	1.22
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	3	1.22
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	13	1.22
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	13	1.22
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	13	1.22
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	20	1.22
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	20	1.22
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	20	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	15	1.22
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	6	1.22
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	6	1.22
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	12	1.22
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	15	1.22
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	18	1.22
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	2	1.22
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	4	1.22
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	2	1.22
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	4	1.22
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	5	1.22
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	7	1.22
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	8	1.22
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	9	1.22
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	11	1.22
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	12	1.22
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	13	1.22
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	15	1.22
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	16	1.22
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	6	1.22
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	10	1.22
(1,2003)	1:437:A:ARG:HB3	1:437:A:ARG:HE	9	1.22
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	12	1.22
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	13	1.22
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	18	1.22
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	19	1.22
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	20	1.22
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	3	1.22
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	1	1.22
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	3	1.22
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	6	1.22
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	14	1.22
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	14	1.22
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	13	1.22
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	15	1.22
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	18	1.22
(1,1235)	1:372:A:LYS:HG3	1:372:A:LYS:HG2	20	1.22
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	9	1.22
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	19	1.22
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	5	1.22
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	7	1.22
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	11	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,747)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	11	1.22
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	5	1.22
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	6	1.22
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	12	1.22
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	17	1.22
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	19	1.22
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	19	1.22
(1,405)	1:354:A:MET:HB3	1:354:A:MET:H	10	1.22
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	3	1.22
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	5	1.22
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	17	1.22
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	2	1.22
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	2	1.22
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	2	1.22
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	3	1.22
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	3	1.22
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	3	1.22
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	6	1.22
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	6	1.22
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	6	1.22
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	19	1.22
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	19	1.22
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	19	1.22
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	2	1.22
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	5	1.22
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	2	1.22
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	9	1.22
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	17	1.22
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	5	1.22
(1,62)	1:405:A:SER:HB3	1:406:A:PRO:HD3	15	1.22
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	16	1.21
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	17	1.21
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	2	1.21
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	2	1.21
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	2	1.21
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	20	1.21
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	18	1.21
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	5	1.21
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	14	1.21
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	18	1.21
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	18	1.21
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	18	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	9	1.21
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	18	1.21
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	20	1.21
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	4	1.21
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	6	1.21
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	14	1.21
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	15	1.21
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	2	1.21
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	6	1.21
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	20	1.21
(1,3837)	1:434:A:TRP:HE3	1:372:A:LYS:HA	10	1.21
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	1	1.21
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	1	1.21
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	1	1.21
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	5	1.21
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	5	1.21
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	5	1.21
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	19	1.21
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	19	1.21
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	19	1.21
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	1	1.21
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	5	1.21
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	8	1.21
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	10	1.21
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	11	1.21
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	16	1.21
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	9	1.21
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	9	1.21
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	9	1.21
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	17	1.21
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	17	1.21
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	17	1.21
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	3	1.21
(1,2886)	1:346:A:GLU:HG2	1:347:A:VAL:H	5	1.21
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	1	1.21
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	5	1.21
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	13	1.21
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	18	1.21
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	7	1.21
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	9	1.21
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	6	1.21
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	15	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	1	1.21
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	3	1.21
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	6	1.21
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	14	1.21
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	17	1.21
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	18	1.21
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	19	1.21
(1,2527)	1:446:A:PRO:HG2	1:446:A:PRO:HD2	20	1.21
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	15	1.21
(1,2227)	1:448:A:SER:HA	1:449:A:VAL:HB	16	1.21
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	15	1.21
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	4	1.21
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	1	1.21
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	6	1.21
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	12	1.21
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	13	1.21
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	12	1.21
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	17	1.21
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	3	1.21
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	3	1.21
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	3	1.21
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	16	1.21
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	16	1.21
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	16	1.21
(1,1218)	1:414:A:ASP:HB2	1:415:A:TRP:H	11	1.21
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	7	1.21
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	17	1.21
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	9	1.21
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	10	1.21
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	1	1.21
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	2	1.21
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	3	1.21
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	7	1.21
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	8	1.21
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	9	1.21
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	11	1.21
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	13	1.21
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	14	1.21
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	15	1.21
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	16	1.21
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	18	1.21
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	19	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	20	1.21
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	4	1.21
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	16	1.21
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	5	1.21
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	9	1.21
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	14	1.21
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	19	1.21
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	1	1.21
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	4	1.21
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	9	1.21
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	12	1.21
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	14	1.21
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	16	1.21
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	17	1.21
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	18	1.21
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	19	1.21
(1,265)	1:408:A:ASN:HA	1:409:A:TYR:HB2	5	1.21
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	8	1.21
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	8	1.21
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	8	1.21
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	3	1.21
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	7	1.21
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	17	1.21
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	19	1.21
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	5	1.21
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	10	1.21
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	4	1.21
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	11	1.2
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	11	1.2
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	12	1.2
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	14	1.2
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	5	1.2
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	5	1.2
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	7	1.2
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	15	1.2
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	19	1.2
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	11	1.2
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	19	1.2
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	19	1.2
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	19	1.2
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	13	1.2
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	14	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	18	1.2
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	19	1.2
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	11	1.2
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	11	1.2
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	11	1.2
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	16	1.2
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	16	1.2
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	16	1.2
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	20	1.2
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	20	1.2
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	20	1.2
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	3	1.2
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	3	1.2
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	3	1.2
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	3	1.2
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	3	1.2
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	3	1.2
(1,3245)	1:349:A:LEU:HD21	1:349:A:LEU:H	5	1.2
(1,3245)	1:349:A:LEU:HD22	1:349:A:LEU:H	5	1.2
(1,3245)	1:349:A:LEU:HD23	1:349:A:LEU:H	5	1.2
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	6	1.2
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	19	1.2
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	15	1.2
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	18	1.2
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	2	1.2
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	12	1.2
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	14	1.2
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	1	1.2
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	17	1.2
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	10	1.2
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	19	1.2
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	5	1.2
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	15	1.2
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	19	1.2
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	5	1.2
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	6	1.2
(1,2373)	1:405:A:SER:HB3	1:406:A:PRO:HA	12	1.2
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	1	1.2
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	5	1.2
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	7	1.2
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	10	1.2
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	16	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	1	1.2
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	20	1.2
(1,1732)	1:463:A:VAL:HA	1:464:A:LEU:H	14	1.2
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	2	1.2
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	5	1.2
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	16	1.2
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	17	1.2
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	18	1.2
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	2	1.2
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	6	1.2
(1,1292)	1:448:A:SER:HB2	1:449:A:VAL:HA	6	1.2
(1,1218)	1:414:A:ASP:HB2	1:415:A:TRP:H	9	1.2
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	4	1.2
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	5	1.2
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	20	1.2
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	5	1.2
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	15	1.2
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	2	1.2
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	2	1.2
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	4	1.2
(1,695)	1:413:A:ILE:HB	1:413:A:ILE:HG13	10	1.2
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	2	1.2
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	8	1.2
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	10	1.2
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	20	1.2
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	6	1.2
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	7	1.2
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	10	1.2
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	11	1.2
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	15	1.2
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	16	1.2
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	17	1.2
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	19	1.2
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	2	1.2
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	3	1.2
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	5	1.2
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	7	1.2
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	20	1.2
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	7	1.2
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	7	1.2
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	7	1.2
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	10	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	10	1.2
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	10	1.2
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	11	1.2
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	11	1.2
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	11	1.2
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	15	1.2
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	15	1.2
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	15	1.2
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	1	1.2
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	4	1.2
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	9	1.2
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	12	1.2
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	14	1.2
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	15	1.2
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	18	1.2
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	7	1.2
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	11	1.2
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	12	1.2
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	13	1.2
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	5	1.19
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	5	1.19
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	20	1.19
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	5	1.19
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	7	1.19
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	7	1.19
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	7	1.19
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	14	1.19
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	14	1.19
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	14	1.19
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	1	1.19
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	11	1.19
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	14	1.19
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	16	1.19
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	13	1.19
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	9	1.19
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	4	1.19
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	3	1.19
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	13	1.19
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	2	1.19
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	6	1.19
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	14	1.19
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	18	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	10	1.19
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	10	1.19
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	10	1.19
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	10	1.19
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	10	1.19
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	14	1.19
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	14	1.19
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	10	1.19
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	12	1.19
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	12	1.19
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	12	1.19
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	1	1.19
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	14	1.19
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	20	1.19
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	3	1.19
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	4	1.19
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	7	1.19
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	9	1.19
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	19	1.19
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	6	1.19
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	8	1.19
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	8	1.19
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	8	1.19
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	14	1.19
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	1	1.19
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	11	1.19
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	14	1.19
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	14	1.19
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	9	1.19
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	17	1.19
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	1	1.19
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	20	1.19
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	18	1.19
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	19	1.19
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	4	1.19
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	17	1.19
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	8	1.19
(1,1822)	1:450:A:MET:HB3	1:450:A:MET:HG3	19	1.19
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	20	1.19
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	8	1.19
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	18	1.19
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	6	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	14	1.19
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	1	1.19
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	4	1.19
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	5	1.19
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	11	1.19
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	12	1.19
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	17	1.19
(1,843)	1:389:A:GLU:HG2	1:389:A:GLU:HA	1	1.19
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	9	1.19
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	15	1.19
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	12	1.19
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	15	1.19
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	18	1.19
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	3	1.19
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	12	1.19
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	19	1.19
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	8	1.19
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	10	1.19
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	13	1.19
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	15	1.19
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	4	1.19
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	4	1.19
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	4	1.19
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	12	1.19
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	12	1.19
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	12	1.19
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	10	1.19
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	11	1.19
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	20	1.19
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	6	1.19
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	1	1.18
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	1	1.18
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	1	1.18
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	10	1.18
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	12	1.18
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	15	1.18
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	19	1.18
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	10	1.18
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	10	1.18
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	10	1.18
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	9	1.18
(1,4503)	1:405:A:SER:H	1:395:A:GLY:H	3	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	12	1.18
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	13	1.18
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	16	1.18
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	11	1.18
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	16	1.18
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	9	1.18
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	6	1.18
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	20	1.18
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	20	1.18
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	1	1.18
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	7	1.18
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	15	1.18
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	18	1.18
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	19	1.18
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	17	1.18
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	7	1.18
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	9	1.18
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	6	1.18
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	18	1.18
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	4	1.18
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	4	1.18
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	4	1.18
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	11	1.18
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	11	1.18
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	11	1.18
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	19	1.18
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	19	1.18
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	19	1.18
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	7	1.18
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	7	1.18
(1,2751)	1:440:A:HIS:HB2	1:440:A:HIS:H	20	1.18
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	4	1.18
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	3	1.18
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	8	1.18
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	10	1.18
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	12	1.18
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	13	1.18
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	16	1.18
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	2	1.18
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	4	1.18
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	12	1.18
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	12	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	12	1.18
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	1	1.18
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	2	1.18
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	4	1.18
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	5	1.18
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	6	1.18
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	7	1.18
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	9	1.18
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	12	1.18
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	14	1.18
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	17	1.18
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	20	1.18
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	1	1.18
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	15	1.18
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	8	1.18
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	11	1.18
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	18	1.18
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	3	1.18
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	4	1.18
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	6	1.18
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	7	1.18
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	8	1.18
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	12	1.18
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	13	1.18
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	14	1.18
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	15	1.18
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	17	1.18
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	20	1.18
(1,1693)	1:447:A:PRO:HB2	1:448:A:SER:H	10	1.18
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	3	1.18
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	19	1.18
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	4	1.18
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	8	1.18
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	9	1.18
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	11	1.18
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	12	1.18
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	19	1.18
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	11	1.18
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	1	1.18
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	7	1.18
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	10	1.18
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	13	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	20	1.18
(1,1218)	1:414:A:ASP:HB2	1:415:A:TRP:H	16	1.18
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	3	1.18
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	6	1.18
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	8	1.18
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	9	1.18
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	13	1.18
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	15	1.18
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	16	1.18
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	18	1.18
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	19	1.18
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	20	1.18
(1,712)	1:387:A:LYS:HG2	1:387:A:LYS:H	3	1.18
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	3	1.18
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	4	1.18
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	8	1.18
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	11	1.18
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	14	1.18
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	18	1.18
(1,549)	1:394:A:LYS:HG2	1:394:A:LYS:HA	15	1.18
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	5	1.18
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	6	1.18
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	7	1.18
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	9	1.18
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	14	1.18
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	1	1.18
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	2	1.18
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	6	1.18
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	7	1.18
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	10	1.18
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	14	1.18
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	20	1.18
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	4	1.18
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	8	1.18
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	13	1.18
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	18	1.18
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	20	1.18
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	1	1.18
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	6	1.18
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	4	1.18
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	9	1.18
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	9	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	9	1.18
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	14	1.18
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	14	1.18
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	14	1.18
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	6	1.18
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	13	1.18
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	16	1.18
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	7	1.18
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	8	1.17
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	8	1.17
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	8	1.17
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE1	9	1.17
(1,4947)	1:380:A:GLY:H	1:382:A:PHE:HE2	9	1.17
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	16	1.17
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	15	1.17
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	2	1.17
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	2	1.17
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	20	1.17
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	2	1.17
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	17	1.17
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	20	1.17
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	1	1.17
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	7	1.17
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	10	1.17
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	11	1.17
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	14	1.17
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	15	1.17
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	17	1.17
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	1	1.17
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	7	1.17
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	12	1.17
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	9	1.17
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	5	1.17
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	3	1.17
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	9	1.17
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	4	1.17
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	5	1.17
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	11	1.17
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	13	1.17
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	1	1.17
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	8	1.17
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	16	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	3	1.17
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	3	1.17
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	3	1.17
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	2	1.17
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	2	1.17
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	2	1.17
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	9	1.17
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	9	1.17
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	9	1.17
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	10	1.17
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	10	1.17
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	10	1.17
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	15	1.17
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	15	1.17
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	15	1.17
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	17	1.17
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	17	1.17
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	17	1.17
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	4	1.17
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	8	1.17
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	9	1.17
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	12	1.17
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	17	1.17
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	20	1.17
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD1	12	1.17
(1,3271)	1:345:A:ILE:HD11	1:356:A:TYR:HD2	12	1.17
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD1	12	1.17
(1,3271)	1:345:A:ILE:HD12	1:356:A:TYR:HD2	12	1.17
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD1	12	1.17
(1,3271)	1:345:A:ILE:HD13	1:356:A:TYR:HD2	12	1.17
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	7	1.17
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	11	1.17
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	4	1.17
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	12	1.17
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	19	1.17
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	18	1.17
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	2	1.17
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	1	1.17
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	2	1.17
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	3	1.17
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	4	1.17
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	5	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	8	1.17
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	9	1.17
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	10	1.17
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	12	1.17
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	13	1.17
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	14	1.17
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	15	1.17
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	16	1.17
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	17	1.17
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	19	1.17
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	20	1.17
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	17	1.17
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	3	1.17
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	7	1.17
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	6	1.17
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	11	1.17
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	14	1.17
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	20	1.17
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	5	1.17
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	15	1.17
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	10	1.17
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	10	1.17
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	13	1.17
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	16	1.17
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	14	1.17
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	16	1.17
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	6	1.17
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	14	1.17
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	14	1.17
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	10	1.17
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	18	1.17
(1,1746)	1:382:A:PHE:HB3	1:382:A:PHE:HA	19	1.17
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	7	1.17
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	16	1.17
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	16	1.17
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	16	1.17
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	16	1.17
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	16	1.17
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	16	1.17
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	16	1.17
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	16	1.17
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	16	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	1	1.17
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	1	1.17
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	2	1.17
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	3	1.17
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	7	1.17
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	10	1.17
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	13	1.17
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	14	1.17
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	15	1.17
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	16	1.17
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	17	1.17
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	20	1.17
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	20	1.17
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	6	1.17
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	7	1.17
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	11	1.17
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	12	1.17
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	2	1.17
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	5	1.17
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	6	1.17
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	12	1.17
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	15	1.17
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	16	1.17
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	2	1.17
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	2	1.17
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	5	1.17
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	5	1.17
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	9	1.17
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	9	1.17
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	15	1.17
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	15	1.17
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	14	1.17
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	4	1.17
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	3	1.17
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	7	1.17
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	10	1.17
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	14	1.17
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	2	1.17
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	10	1.17
(1,712)	1:387:A:LYS:HG2	1:387:A:LYS:H	5	1.17
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	1	1.17
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	6	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	7	1.17
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	19	1.17
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	3	1.17
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	11	1.17
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	13	1.17
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	17	1.17
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	4	1.17
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	8	1.17
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	9	1.17
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	11	1.17
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	13	1.17
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	15	1.17
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	16	1.17
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	17	1.17
(1,289)	1:357:A:TYR:HB2	1:357:A:TYR:H	1	1.17
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	1	1.17
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	5	1.17
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	6	1.17
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	18	1.17
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	18	1.17
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	18	1.17
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	20	1.17
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	20	1.17
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	20	1.17
(1,103)	1:455:A:GLY:HA2	1:454:A:PHE:HA	8	1.17
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	5	1.17
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	18	1.16
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	18	1.16
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	18	1.16
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	5	1.16
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	5	1.16
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	5	1.16
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	14	1.16
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	15	1.16
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	8	1.16
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	15	1.16
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	15	1.16
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	15	1.16
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	8	1.16
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	13	1.16
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	2	1.16
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	4	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	5	1.16
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	6	1.16
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	8	1.16
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	20	1.16
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	6	1.16
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	11	1.16
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	20	1.16
(1,4347)	1:414:A:ASP:H	1:413:A:ILE:H	11	1.16
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	5	1.16
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	11	1.16
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	16	1.16
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	2	1.16
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	1	1.16
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	9	1.16
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	8	1.16
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	8	1.16
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	8	1.16
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	2	1.16
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	3	1.16
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	5	1.16
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	10	1.16
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	1	1.16
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	1	1.16
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	13	1.16
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	13	1.16
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	14	1.16
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	16	1.16
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	17	1.16
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	17	1.16
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	6	1.16
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	12	1.16
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	7	1.16
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	11	1.16
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	18	1.16
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	7	1.16
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	7	1.16
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	7	1.16
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	5	1.16
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	9	1.16
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	19	1.16
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	18	1.16
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	19	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	6	1.16
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	10	1.16
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	11	1.16
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	13	1.16
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	14	1.16
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	17	1.16
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	2	1.16
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	10	1.16
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	11	1.16
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	11	1.16
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	11	1.16
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	15	1.16
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	15	1.16
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	15	1.16
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	1	1.16
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	4	1.16
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	9	1.16
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	18	1.16
(1,2169)	1:372:A:LYS:HB2	1:372:A:LYS:HD3	6	1.16
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	16	1.16
(1,2013)	1:368:A:ILE:HB	1:369:A:VAL:H	1	1.16
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	13	1.16
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	5	1.16
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	1	1.16
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	1	1.16
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	1	1.16
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	1	1.16
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	1	1.16
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	1	1.16
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	1	1.16
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	1	1.16
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	1	1.16
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	5	1.16
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	4	1.16
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	9	1.16
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	11	1.16
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	16	1.16
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	19	1.16
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	10	1.16
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	13	1.16
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG21	5	1.16
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG22	5	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1351)	1:421:A:HIS:HB3	1:407:A:VAL:HG23	5	1.16
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	5	1.16
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	13	1.16
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	14	1.16
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	15	1.16
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	17	1.16
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	18	1.16
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	19	1.16
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	20	1.16
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	6	1.16
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	1	1.16
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	3	1.16
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	4	1.16
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	14	1.16
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	18	1.16
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	19	1.16
(1,1218)	1:414:A:ASP:HB2	1:415:A:TRP:H	13	1.16
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	12	1.16
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	12	1.16
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	19	1.16
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	19	1.16
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	10	1.16
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	19	1.16
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	6	1.16
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	16	1.16
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	18	1.16
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	2	1.16
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	4	1.16
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	10	1.16
(1,966)	1:378:A:PRO:HD3	1:377:A:THR:HA	17	1.16
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	10	1.16
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	1	1.16
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	4	1.16
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	9	1.16
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	18	1.16
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	17	1.16
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	17	1.16
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	17	1.16
(1,712)	1:387:A:LYS:HG2	1:387:A:LYS:H	7	1.16
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	12	1.16
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	13	1.16
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	16	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	17	1.16
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	20	1.16
(1,541)	1:378:A:PRO:HB3	1:379:A:ALA:HA	1	1.16
(1,527)	1:451:A:LYS:HA	1:452:A:GLU:HB3	18	1.16
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	11	1.16
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	3	1.16
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	13	1.16
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	7	1.16
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	8	1.16
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	10	1.16
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	11	1.16
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	14	1.16
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	15	1.16
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	16	1.16
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	17	1.16
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	18	1.16
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	19	1.16
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	17	1.16
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	17	1.16
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	17	1.16
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	12	1.16
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	16	1.16
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	13	1.15
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	13	1.15
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	13	1.15
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	20	1.15
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	20	1.15
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	20	1.15
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	10	1.15
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	6	1.15
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	13	1.15
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	10	1.15
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	6	1.15
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	6	1.15
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	6	1.15
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	6	1.15
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	3	1.15
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	13	1.15
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	13	1.15
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	13	1.15
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	19	1.15
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	19	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	19	1.15
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	4	1.15
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	4	1.15
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	4	1.15
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	3	1.15
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	18	1.15
(1,4471)	1:433:A:LEU:H	1:432:A:ASP:HA	19	1.15
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	3	1.15
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	5	1.15
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	17	1.15
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	18	1.15
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	11	1.15
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	20	1.15
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	18	1.15
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	18	1.15
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	14	1.15
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	19	1.15
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	16	1.15
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	16	1.15
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	16	1.15
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	7	1.15
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	7	1.15
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	7	1.15
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	14	1.15
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	14	1.15
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	14	1.15
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	18	1.15
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	18	1.15
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	18	1.15
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	13	1.15
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	16	1.15
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	7	1.15
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	14	1.15
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	7	1.15
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	7	1.15
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	15	1.15
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	15	1.15
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	20	1.15
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	20	1.15
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	9	1.15
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	15	1.15
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	20	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	2	1.15
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	3	1.15
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	13	1.15
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	20	1.15
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	4	1.15
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	9	1.15
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	20	1.15
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	5	1.15
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	5	1.15
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	5	1.15
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	14	1.15
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	14	1.15
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	14	1.15
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	6	1.15
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	3	1.15
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	8	1.15
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	11	1.15
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	19	1.15
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	2	1.15
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	3	1.15
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	9	1.15
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	18	1.15
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	1	1.15
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	5	1.15
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	6	1.15
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	12	1.15
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	16	1.15
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	18	1.15
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	20	1.15
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	11	1.15
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	6	1.15
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	6	1.15
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	12	1.15
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	12	1.15
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	16	1.15
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	16	1.15
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	17	1.15
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	17	1.15
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	18	1.15
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	18	1.15
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	20	1.15
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	20	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	5	1.15
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	5	1.15
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	5	1.15
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	8	1.15
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	8	1.15
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	8	1.15
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	17	1.15
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	17	1.15
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	17	1.15
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	18	1.15
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	18	1.15
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	18	1.15
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	12	1.15
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	19	1.15
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	3	1.15
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	8	1.15
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	11	1.15
(1,2261)	1:447:A:PRO:HD3	1:446:A:PRO:HA	15	1.15
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	9	1.15
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	11	1.15
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	15	1.15
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	19	1.15
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	1	1.15
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	15	1.15
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	5	1.15
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	2	1.15
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	7	1.15
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	5	1.15
(1,1600)	1:412:A:PRO:HD2	1:412:A:PRO:HG2	6	1.15
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	1	1.15
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	1	1.15
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	2	1.15
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	3	1.15
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	6	1.15
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	7	1.15
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	8	1.15
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	10	1.15
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	12	1.15
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	13	1.15
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	17	1.15
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	20	1.15
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	5	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	13	1.15
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	2	1.15
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	2	1.15
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	3	1.15
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	4	1.15
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	8	1.15
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	9	1.15
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	10	1.15
(1,1267)	1:369:A:VAL:HB	1:369:A:VAL:HA	16	1.15
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	9	1.15
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	11	1.15
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	1	1.15
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	1	1.15
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	7	1.15
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	7	1.15
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	11	1.15
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	11	1.15
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	1	1.15
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	16	1.15
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	16	1.15
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	12	1.15
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	19	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	1	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	1	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	1	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	2	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	2	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	2	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	8	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	8	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	8	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	9	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	9	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	9	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	11	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	11	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	11	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	15	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	15	1.15
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	15	1.15
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	2	1.15
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	5	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:445:A:THR:HA	1:446:A:PRO:HD3	10	1.15
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	11	1.15
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	13	1.15
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	8	1.15
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	9	1.15
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	13	1.15
(1,197)	1:358:A:LYS:HB2	1:358:A:LYS:HD3	20	1.15
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	16	1.15
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	16	1.15
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	16	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	1	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	2	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	3	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	4	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	5	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	6	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	7	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	8	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	9	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	10	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	11	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	12	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	13	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	14	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	15	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	16	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	17	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	18	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	19	1.15
(1,91)	1:348:A:ASP:HB3	1:348:A:ASP:HB2	20	1.15
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	1	1.15
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	2	1.15
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	6	1.15
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	12	1.15
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	19	1.15
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	19	1.14
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	19	1.14
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	19	1.14
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	4	1.14
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	13	1.14
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	19	1.14
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	10	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	4	1.14
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	4	1.14
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	4	1.14
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	9	1.14
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	9	1.14
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	9	1.14
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	11	1.14
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	11	1.14
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	11	1.14
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	17	1.14
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	17	1.14
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	17	1.14
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	16	1.14
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	1	1.14
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	1	1.14
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	1	1.14
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	8	1.14
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	8	1.14
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	8	1.14
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	10	1.14
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	10	1.14
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	10	1.14
(1,4484)	1:340:A:MET:H	1:340:A:MET:HB2	15	1.14
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	2	1.14
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	15	1.14
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	16	1.14
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	6	1.14
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	11	1.14
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	6	1.14
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	3	1.14
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	8	1.14
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	17	1.14
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	9	1.14
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	12	1.14
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	12	1.14
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	12	1.14
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	12	1.14
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	8	1.14
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	19	1.14
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	13	1.14
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	20	1.14
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	20	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	20	1.14
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	5	1.14
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	5	1.14
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	5	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	1	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	2	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	4	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	5	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	6	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	7	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	8	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	9	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	10	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	11	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	12	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	14	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	15	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	17	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	18	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	19	1.14
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	20	1.14
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	16	1.14
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	1	1.14
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	19	1.14
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	11	1.14
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	13	1.14
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	3	1.14
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	3	1.14
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	6	1.14
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	6	1.14
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	10	1.14
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	10	1.14
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	18	1.14
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	18	1.14
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	1	1.14
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	18	1.14
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	6	1.14
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	8	1.14
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	13	1.14
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	16	1.14
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	18	1.14
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	13	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	1	1.14
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	2	1.14
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	5	1.14
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	7	1.14
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	18	1.14
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	7	1.14
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	10	1.14
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	13	1.14
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	16	1.14
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	6	1.14
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	6	1.14
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	6	1.14
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	16	1.14
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	16	1.14
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	16	1.14
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	3	1.14
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	1	1.14
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	4	1.14
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	6	1.14
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	9	1.14
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	14	1.14
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	15	1.14
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	17	1.14
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	18	1.14
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	20	1.14
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	17	1.14
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	20	1.14
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	14	1.14
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	1	1.14
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	4	1.14
(1,2525)	1:425:A:TRP:HB3	1:425:A:TRP:HE3	7	1.14
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	7	1.14
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	12	1.14
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	13	1.14
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	16	1.14
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	3	1.14
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	3	1.14
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	11	1.14
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	11	1.14
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	15	1.14
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	15	1.14
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	19	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	19	1.14
(1,2287)	1:402:A:PRO:HD2	1:401:A:THR:HB	4	1.14
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	13	1.14
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	20	1.14
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	6	1.14
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	6	1.14
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	6	1.14
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	2	1.14
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	6	1.14
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	16	1.14
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	17	1.14
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	1	1.14
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	3	1.14
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	10	1.14
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	13	1.14
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	17	1.14
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	18	1.14
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	20	1.14
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	1	1.14
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	8	1.14
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	10	1.14
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	12	1.14
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	13	1.14
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	14	1.14
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	15	1.14
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	17	1.14
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	19	1.14
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	4	1.14
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	4	1.14
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	4	1.14
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	4	1.14
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	4	1.14
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	4	1.14
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	4	1.14
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	4	1.14
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	4	1.14
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	8	1.14
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	8	1.14
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	8	1.14
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	8	1.14
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	8	1.14
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	8	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	8	1.14
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	8	1.14
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	8	1.14
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	15	1.14
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	15	1.14
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	15	1.14
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	15	1.14
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	15	1.14
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	15	1.14
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	15	1.14
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	15	1.14
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	15	1.14
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	19	1.14
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	19	1.14
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	19	1.14
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	19	1.14
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	19	1.14
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	19	1.14
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	19	1.14
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	19	1.14
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	19	1.14
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	14	1.14
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	6	1.14
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	6	1.14
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	6	1.14
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	6	1.14
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	6	1.14
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	6	1.14
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	6	1.14
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	6	1.14
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	6	1.14
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	10	1.14
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	10	1.14
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	10	1.14
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	10	1.14
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	10	1.14
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	10	1.14
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	10	1.14
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	10	1.14
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	10	1.14
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	6	1.14
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	5	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	14	1.14
(1,1532)	1:412:A:PRO:HG3	1:412:A:PRO:HD3	15	1.14
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	8	1.14
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	2	1.14
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	5	1.14
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	7	1.14
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	18	1.14
(1,1227)	1:441:A:GLY:HA2	1:441:A:GLY:H	17	1.14
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	6	1.14
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	6	1.14
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	13	1.14
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	13	1.14
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	16	1.14
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	16	1.14
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	20	1.14
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	20	1.14
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	15	1.14
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	11	1.14
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	14	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	1	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	2	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	3	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	4	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	5	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	6	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	7	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	8	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	9	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	10	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	11	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	12	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	13	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	14	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	15	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	16	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	17	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	18	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	19	1.14
(1,1066)	1:433:A:LEU:HB2	1:433:A:LEU:HB3	20	1.14
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	5	1.14
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	18	1.14
(1,843)	1:389:A:GLU:HG2	1:389:A:GLU:HA	11	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	2	1.14
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	6	1.14
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	16	1.14
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	17	1.14
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	7	1.14
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	7	1.14
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	7	1.14
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	12	1.14
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	12	1.14
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	12	1.14
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	14	1.14
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	14	1.14
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	14	1.14
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	18	1.14
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	18	1.14
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	18	1.14
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	20	1.14
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	20	1.14
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	20	1.14
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	16	1.14
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	3	1.14
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	5	1.14
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	6	1.14
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	7	1.14
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	8	1.14
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	9	1.14
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	10	1.14
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	14	1.14
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	16	1.14
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	5	1.14
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	5	1.14
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	5	1.14
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	5	1.14
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	3	1.14
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	4	1.14
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	7	1.14
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	8	1.14
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	9	1.14
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	11	1.14
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	14	1.14
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	15	1.14
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	17	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	18	1.14
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	20	1.14
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	11	1.13
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	11	1.13
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	11	1.13
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	15	1.13
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	15	1.13
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	15	1.13
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	1	1.13
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	8	1.13
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	9	1.13
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	12	1.13
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	18	1.13
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	3	1.13
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	11	1.13
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	11	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	1	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	1	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	1	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	5	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	5	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	5	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	8	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	8	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	8	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	14	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	14	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	14	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	15	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	15	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	15	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	18	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	18	1.13
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	18	1.13
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	3	1.13
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	3	1.13
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	3	1.13
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	6	1.13
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	6	1.13
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	6	1.13
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	15	1.13
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	15	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	15	1.13
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	8	1.13
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	10	1.13
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	20	1.13
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	10	1.13
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	3	1.13
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	7	1.13
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	12	1.13
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	14	1.13
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	18	1.13
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	20	1.13
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	17	1.13
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	4	1.13
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	15	1.13
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	5	1.13
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	5	1.13
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	9	1.13
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	9	1.13
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	9	1.13
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	11	1.13
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	11	1.13
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	11	1.13
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	18	1.13
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	18	1.13
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	18	1.13
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	6	1.13
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	10	1.13
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	4	1.13
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	4	1.13
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	4	1.13
(1,3349)	1:465:A:VAL:HB	1:465:A:VAL:HA	3	1.13
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	2	1.13
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	10	1.13
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	11	1.13
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	4	1.13
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	8	1.13
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	20	1.13
(1,3295)	1:419:A:GLY:HA2	1:420:A:ILE:H	16	1.13
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	9	1.13
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	7	1.13
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	14	1.13
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	19	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	6	1.13
(1,3099)	1:372:A:LYS:HA	1:373:A:PRO:HD3	15	1.13
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	1	1.13
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	3	1.13
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	4	1.13
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	8	1.13
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	9	1.13
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	10	1.13
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	11	1.13
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	12	1.13
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	13	1.13
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	14	1.13
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	15	1.13
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	16	1.13
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	17	1.13
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	19	1.13
(1,3096)	1:411:A:MET:HG3	1:411:A:MET:HG2	20	1.13
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	13	1.13
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	13	1.13
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	13	1.13
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	19	1.13
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	19	1.13
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	19	1.13
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	20	1.13
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	20	1.13
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	20	1.13
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	14	1.13
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	1	1.13
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	2	1.13
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	4	1.13
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	5	1.13
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	7	1.13
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	8	1.13
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	9	1.13
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	11	1.13
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	13	1.13
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	19	1.13
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	20	1.13
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	2	1.13
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	3	1.13
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	7	1.13
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	12	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	18	1.13
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	9	1.13
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	2	1.13
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	5	1.13
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	7	1.13
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	10	1.13
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	12	1.13
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	13	1.13
(1,2821)	1:446:A:PRO:HB3	1:446:A:PRO:HA	16	1.13
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	1	1.13
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	8	1.13
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	11	1.13
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	17	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	1	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	2	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	3	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	4	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	5	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	6	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	7	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	8	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	9	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	10	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	11	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	12	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	13	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	14	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	15	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	16	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	17	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	18	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	19	1.13
(1,2592)	1:387:A:LYS:HG2	1:387:A:LYS:HG3	20	1.13
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	1	1.13
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	6	1.13
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	15	1.13
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	20	1.13
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	4	1.13
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	7	1.13
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	8	1.13
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	9	1.13
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	14	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	17	1.13
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	19	1.13
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	11	1.13
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	19	1.13
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	2	1.13
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	2	1.13
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	10	1.13
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	10	1.13
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	14	1.13
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	14	1.13
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	11	1.13
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	17	1.13
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	7	1.13
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	7	1.13
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	7	1.13
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	20	1.13
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	20	1.13
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	20	1.13
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	3	1.13
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	5	1.13
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	8	1.13
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	11	1.13
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	15	1.13
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	2	1.13
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	4	1.13
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	5	1.13
(1,2010)	1:361:A:LYS:HB2	1:361:A:LYS:HE3	12	1.13
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	18	1.13
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	20	1.13
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	16	1.13
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	18	1.13
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	4	1.13
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	5	1.13
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	6	1.13
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	7	1.13
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	9	1.13
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	11	1.13
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	16	1.13
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	20	1.13
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	2	1.13
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	2	1.13
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	2	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	2	1.13
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	2	1.13
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	2	1.13
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	2	1.13
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	2	1.13
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	2	1.13
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	5	1.13
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	5	1.13
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	5	1.13
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	5	1.13
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	5	1.13
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	5	1.13
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	5	1.13
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	5	1.13
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	5	1.13
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	9	1.13
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	9	1.13
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	9	1.13
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	9	1.13
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	9	1.13
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	9	1.13
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	9	1.13
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	9	1.13
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	9	1.13
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	17	1.13
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	12	1.13
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	12	1.13
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	12	1.13
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	12	1.13
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	12	1.13
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	12	1.13
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	12	1.13
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	12	1.13
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	12	1.13
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	13	1.13
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	13	1.13
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	13	1.13
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	19	1.13
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	19	1.13
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	19	1.13
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	1	1.13
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	3	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	4	1.13
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	8	1.13
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	9	1.13
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	10	1.13
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	11	1.13
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	12	1.13
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	13	1.13
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	14	1.13
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	15	1.13
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	16	1.13
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	17	1.13
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	19	1.13
(1,1246)	1:411:A:MET:HG2	1:411:A:MET:HG3	20	1.13
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	3	1.13
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	3	1.13
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	14	1.13
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	14	1.13
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	7	1.13
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	1	1.13
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	3	1.13
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	7	1.13
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	8	1.13
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	9	1.13
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	11	1.13
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	13	1.13
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	18	1.13
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	19	1.13
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	20	1.13
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	4	1.13
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	3	1.13
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	5	1.13
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	8	1.13
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	11	1.13
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	15	1.13
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	5	1.13
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	4	1.13
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	4	1.13
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	4	1.13
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	6	1.13
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	6	1.13
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	6	1.13
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	13	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	13	1.13
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	13	1.13
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	1	1.13
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	2	1.13
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	12	1.13
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	15	1.13
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	19	1.13
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	2	1.13
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	5	1.13
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	11	1.13
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	10	1.13
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD21	13	1.13
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD22	13	1.13
(1,162)	1:346:A:GLU:HG3	1:464:A:LEU:HD23	13	1.13
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	11	1.13
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	13	1.13
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	2	1.12
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	2	1.12
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	2	1.12
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	6	1.12
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	6	1.12
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	6	1.12
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	9	1.12
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	9	1.12
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	9	1.12
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	17	1.12
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	17	1.12
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	17	1.12
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	15	1.12
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	3	1.12
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	11	1.12
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	7	1.12
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	16	1.12
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	16	1.12
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	16	1.12
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	5	1.12
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	17	1.12
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	17	1.12
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	17	1.12
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	12	1.12
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	17	1.12
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	4	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	8	1.12
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	19	1.12
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	2	1.12
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	10	1.12
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	13	1.12
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	14	1.12
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	20	1.12
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	4	1.12
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	15	1.12
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	18	1.12
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	3	1.12
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	3	1.12
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	5	1.12
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	5	1.12
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	13	1.12
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	13	1.12
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	13	1.12
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	3	1.12
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	2	1.12
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	4	1.12
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	5	1.12
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	7	1.12
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	8	1.12
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	9	1.12
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	11	1.12
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	12	1.12
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	13	1.12
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	15	1.12
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	16	1.12
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	1	1.12
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	5	1.12
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	6	1.12
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	7	1.12
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	8	1.12
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	14	1.12
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	15	1.12
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	18	1.12
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	10	1.12
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	12	1.12
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	15	1.12
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	17	1.12
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	13	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	13	1.12
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	14	1.12
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	14	1.12
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	2	1.12
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	5	1.12
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	10	1.12
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	2	1.12
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	6	1.12
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	11	1.12
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	5	1.12
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	10	1.12
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	15	1.12
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	15	1.12
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	15	1.12
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	5	1.12
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	17	1.12
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	19	1.12
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	10	1.12
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	10	1.12
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	10	1.12
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	6	1.12
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	10	1.12
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	14	1.12
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	15	1.12
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	16	1.12
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	17	1.12
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	18	1.12
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	8	1.12
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	9	1.12
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	16	1.12
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	17	1.12
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	2	1.12
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	7	1.12
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	8	1.12
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	9	1.12
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	10	1.12
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	13	1.12
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	17	1.12
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	18	1.12
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	3	1.12
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	15	1.12
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	16	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	2	1.12
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	3	1.12
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	7	1.12
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	15	1.12
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	16	1.12
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	18	1.12
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	19	1.12
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	4	1.12
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	19	1.12
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	13	1.12
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	14	1.12
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	8	1.12
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	9	1.12
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	16	1.12
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	19	1.12
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	20	1.12
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	6	1.12
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	2	1.12
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	3	1.12
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	3	1.12
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	3	1.12
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	3	1.12
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	3	1.12
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	3	1.12
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	3	1.12
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	3	1.12
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	3	1.12
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	3	1.12
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	6	1.12
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	6	1.12
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	6	1.12
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	6	1.12
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	6	1.12
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	6	1.12
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	6	1.12
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	6	1.12
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	6	1.12
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	11	1.12
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	11	1.12
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	11	1.12
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	11	1.12
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	11	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	11	1.12
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	11	1.12
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	11	1.12
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	11	1.12
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	16	1.12
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	16	1.12
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	16	1.12
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	16	1.12
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	16	1.12
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	16	1.12
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	16	1.12
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	16	1.12
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	16	1.12
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	1	1.12
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	5	1.12
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	7	1.12
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	8	1.12
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	15	1.12
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	18	1.12
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	19	1.12
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	20	1.12
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	1	1.12
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	1	1.12
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	1	1.12
(1,1490)	1:408:A:ASN:HB3	1:408:A:ASN:HD21	3	1.12
(1,1490)	1:408:A:ASN:HB3	1:408:A:ASN:HD21	10	1.12
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	4	1.12
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	4	1.12
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	10	1.12
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	10	1.12
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	17	1.12
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	17	1.12
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	2	1.12
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	15	1.12
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	13	1.12
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	14	1.12
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	9	1.12
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	3	1.12
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	3	1.12
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	3	1.12
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	5	1.12
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	5	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	5	1.12
(1,712)	1:387:A:LYS:HG2	1:387:A:LYS:H	2	1.12
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	4	1.12
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	17	1.12
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	18	1.12
(1,505)	1:436:A:THR:HA	1:437:A:ARG:HB3	20	1.12
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	17	1.12
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	2	1.12
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	3	1.12
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	9	1.12
(1,102)	1:352:A:GLN:HA	1:352:A:GLN:HG3	3	1.12
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	10	1.12
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	10	1.12
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	10	1.12
(1,43)	1:422:A:ASP:HB2	1:422:A:ASP:HA	10	1.12
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	4	1.11
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	4	1.11
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	4	1.11
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	16	1.11
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	16	1.11
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	16	1.11
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	1	1.11
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	7	1.11
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	9	1.11
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	10	1.11
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	11	1.11
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	13	1.11
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	16	1.11
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	17	1.11
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	18	1.11
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	2	1.11
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	5	1.11
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	17	1.11
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	19	1.11
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	19	1.11
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	20	1.11
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	20	1.11
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	20	1.11
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	9	1.11
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	9	1.11
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	9	1.11
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	7	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	7	1.11
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	13	1.11
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	18	1.11
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	4	1.11
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	1	1.11
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	2	1.11
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	10	1.11
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	17	1.11
(1,4033)	1:425:A:TRP:HE1	1:423:A:SER:HB2	4	1.11
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	7	1.11
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	12	1.11
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	1	1.11
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	2	1.11
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	11	1.11
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	16	1.11
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	16	1.11
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	17	1.11
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	17	1.11
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	2	1.11
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	2	1.11
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	2	1.11
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	20	1.11
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	20	1.11
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	20	1.11
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	2	1.11
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	16	1.11
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	6	1.11
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	6	1.11
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	6	1.11
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	1	1.11
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	3	1.11
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	6	1.11
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	14	1.11
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	17	1.11
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	18	1.11
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	19	1.11
(1,3388)	1:446:A:PRO:HD2	1:446:A:PRO:HG2	20	1.11
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	13	1.11
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	13	1.11
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	13	1.11
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	3	1.11
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	4	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	12	1.11
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	13	1.11
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	19	1.11
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	20	1.11
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	8	1.11
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	8	1.11
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	17	1.11
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	17	1.11
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	15	1.11
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	1	1.11
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	4	1.11
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	20	1.11
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	8	1.11
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	10	1.11
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	14	1.11
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	17	1.11
(1,3110)	1:372:A:LYS:HB2	1:373:A:PRO:HD2	8	1.11
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	4	1.11
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	4	1.11
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	4	1.11
(1,2957)	1:410:A:TRP:HB2	1:410:A:TRP:HA	12	1.11
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	5	1.11
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	11	1.11
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	13	1.11
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	19	1.11
(1,2803)	1:421:A:HIS:HB2	1:422:A:ASP:H	19	1.11
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	10	1.11
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	18	1.11
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	2	1.11
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	3	1.11
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	4	1.11
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	11	1.11
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	12	1.11
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	16	1.11
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	19	1.11
(1,2447)	1:447:A:PRO:HA	1:448:A:SER:H	11	1.11
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	9	1.11
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	14	1.11
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	10	1.11
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	4	1.11
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	4	1.11
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	4	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	5	1.11
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	8	1.11
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	12	1.11
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	1	1.11
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	16	1.11
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	1	1.11
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	1	1.11
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	1	1.11
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	7	1.11
(1,2271)	1:429:A:TYR:HA	1:429:A:TYR:HB3	20	1.11
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	1	1.11
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	4	1.11
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	13	1.11
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	17	1.11
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	3	1.11
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	4	1.11
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	14	1.11
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	11	1.11
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	6	1.11
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	10	1.11
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	10	1.11
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	10	1.11
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	10	1.11
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	10	1.11
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	10	1.11
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	10	1.11
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	10	1.11
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	10	1.11
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	10	1.11
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	13	1.11
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	13	1.11
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	13	1.11
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	13	1.11
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	13	1.11
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	13	1.11
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	13	1.11
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	13	1.11
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	13	1.11
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	7	1.11
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	15	1.11
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	2	1.11
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	4	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	12	1.11
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	14	1.11
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	17	1.11
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	6	1.11
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	6	1.11
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	6	1.11
(1,1490)	1:408:A:ASN:HB3	1:408:A:ASN:HD21	13	1.11
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	4	1.11
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	12	1.11
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	17	1.11
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	9	1.11
(1,843)	1:389:A:GLU:HG2	1:389:A:GLU:HA	17	1.11
(1,843)	1:389:A:GLU:HG2	1:389:A:GLU:HA	20	1.11
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	7	1.11
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	9	1.11
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	7	1.11
(1,820)	1:429:A:TYR:HB3	1:429:A:TYR:HA	20	1.11
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	9	1.11
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	16	1.11
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	16	1.11
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	16	1.11
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	16	1.11
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	1	1.11
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	4	1.11
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	9	1.11
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	12	1.11
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	14	1.11
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	16	1.11
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	17	1.11
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	18	1.11
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	19	1.11
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	7	1.11
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	10	1.11
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	12	1.11
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	14	1.11
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	15	1.11
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	16	1.11
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	17	1.11
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	19	1.11
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	20	1.11
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	15	1.11
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	1	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	4	1.11
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	5	1.11
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	6	1.11
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	7	1.11
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	8	1.11
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	9	1.11
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	10	1.11
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	11	1.11
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	13	1.11
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	14	1.11
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	15	1.11
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	16	1.11
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	19	1.11
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	20	1.11
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	6	1.11
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	7	1.11
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	15	1.11
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	16	1.11
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	17	1.11
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	18	1.11
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	14	1.11
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	14	1.11
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	14	1.11
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	7	1.1
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	7	1.1
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	7	1.1
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	12	1.1
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	12	1.1
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	12	1.1
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	3	1.1
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	3	1.1
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	3	1.1
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	2	1.1
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	4	1.1
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	5	1.1
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	12	1.1
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	14	1.1
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	19	1.1
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	18	1.1
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	5	1.1
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	5	1.1
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	5	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	12	1.1
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	12	1.1
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	12	1.1
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	4	1.1
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	14	1.1
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	3	1.1
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	3	1.1
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	3	1.1
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	12	1.1
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	12	1.1
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	12	1.1
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	2	1.1
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	2	1.1
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	2	1.1
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	2	1.1
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	5	1.1
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	14	1.1
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	18	1.1
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	19	1.1
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	12	1.1
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	17	1.1
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	15	1.1
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	10	1.1
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	6	1.1
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	17	1.1
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	18	1.1
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	12	1.1
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	12	1.1
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	12	1.1
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	12	1.1
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	12	1.1
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	12	1.1
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	16	1.1
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	17	1.1
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	17	1.1
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	17	1.1
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	5	1.1
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	4	1.1
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	4	1.1
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	4	1.1
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	19	1.1
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	19	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	19	1.1
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	12	1.1
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	12	1.1
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	12	1.1
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	15	1.1
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	15	1.1
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	15	1.1
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	17	1.1
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	3	1.1
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	18	1.1
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	7	1.1
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	7	1.1
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	9	1.1
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	9	1.1
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	17	1.1
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	17	1.1
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	19	1.1
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	19	1.1
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	20	1.1
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	20	1.1
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	12	1.1
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	12	1.1
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	19	1.1
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	19	1.1
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	2	1.1
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	2	1.1
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	2	1.1
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	1	1.1
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	12	1.1
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	8	1.1
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	8	1.1
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	8	1.1
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	18	1.1
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	18	1.1
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	18	1.1
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	8	1.1
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	11	1.1
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	1	1.1
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	4	1.1
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	14	1.1
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	15	1.1
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	16	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	7	1.1
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	7	1.1
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	7	1.1
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	7	1.1
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	7	1.1
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	7	1.1
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	2	1.1
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	4	1.1
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	12	1.1
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	19	1.1
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	12	1.1
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	14	1.1
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	5	1.1
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	5	1.1
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	8	1.1
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	8	1.1
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	9	1.1
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	9	1.1
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	6	1.1
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	20	1.1
(1,2287)	1:402:A:PRO:HD2	1:401:A:THR:HB	17	1.1
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	4	1.1
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	6	1.1
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	9	1.1
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	9	1.1
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	17	1.1
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	3	1.1
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	3	1.1
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	3	1.1
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	14	1.1
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	14	1.1
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	14	1.1
(1,2228)	1:387:A:LYS:HB2	1:387:A:LYS:H	12	1.1
(1,2228)	1:387:A:LYS:HB2	1:387:A:LYS:H	14	1.1
(1,2228)	1:387:A:LYS:HB2	1:387:A:LYS:H	16	1.1
(1,2228)	1:387:A:LYS:HB2	1:387:A:LYS:H	17	1.1
(1,2228)	1:387:A:LYS:HB2	1:387:A:LYS:H	19	1.1
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	10	1.1
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	2	1.1
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	11	1.1
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	11	1.1
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	3	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	6	1.1
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	19	1.1
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	2	1.1
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	14	1.1
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	14	1.1
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	14	1.1
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	14	1.1
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	14	1.1
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	14	1.1
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	14	1.1
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	14	1.1
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	14	1.1
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	17	1.1
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	17	1.1
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	17	1.1
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	17	1.1
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	17	1.1
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	17	1.1
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	17	1.1
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	17	1.1
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	17	1.1
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	6	1.1
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	10	1.1
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	8	1.1
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	8	1.1
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	8	1.1
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	16	1.1
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	18	1.1
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	6	1.1
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	18	1.1
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	18	1.1
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	16	1.1
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	3	1.1
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	10	1.1
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	8	1.1
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	9	1.1
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	10	1.1
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	10	1.1
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	10	1.1
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	2	1.1
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	3	1.1
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	5	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	7	1.1
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	20	1.1
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	16	1.1
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	5	1.1
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	10	1.1
(1,637)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	11	1.1
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	1	1.1
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	2	1.1
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	3	1.1
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	4	1.1
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	5	1.1
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	6	1.1
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	8	1.1
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	9	1.1
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	11	1.1
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	13	1.1
(1,516)	1:352:A:GLN:HB2	1:352:A:GLN:HA	18	1.1
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	14	1.1
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	1	1.1
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	8	1.1
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	11	1.1
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	14	1.1
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	18	1.1
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	20	1.1
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	12	1.1
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	17	1.1
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	1	1.1
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	4	1.1
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	8	1.1
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	10	1.1
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	12	1.1
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	13	1.1
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	14	1.1
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	19	1.1
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	20	1.1
(1,102)	1:352:A:GLN:HA	1:352:A:GLN:HG3	8	1.1
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	1	1.1
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	1	1.1
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	1	1.1
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	8	1.1
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	8	1.1
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	8	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	10	1.09
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	10	1.09
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	10	1.09
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	14	1.09
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	14	1.09
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	14	1.09
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	3	1.09
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	6	1.09
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	8	1.09
(1,4889)	1:385:A:TRP:H	1:384:A:VAL:HA	20	1.09
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	7	1.09
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD1	3	1.09
(1,4737)	1:397:A:ASN:HD21	1:403:A:TYR:HD2	3	1.09
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG11	16	1.09
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG12	16	1.09
(1,4719)	1:410:A:TRP:HE1	1:407:A:VAL:HG13	16	1.09
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	2	1.09
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	12	1.09
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	11	1.09
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	11	1.09
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	11	1.09
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	16	1.09
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	16	1.09
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	16	1.09
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	20	1.09
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	20	1.09
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	20	1.09
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	1	1.09
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	1	1.09
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	13	1.09
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	8	1.09
(1,4071)	1:433:A:LEU:H	1:434:A:TRP:H	9	1.09
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	16	1.09
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	12	1.09
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	15	1.09
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	5	1.09
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	5	1.09
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	5	1.09
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	10	1.09
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	6	1.09
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	6	1.09
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	6	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	6	1.09
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	6	1.09
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	6	1.09
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	7	1.09
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	9	1.09
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	20	1.09
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	20	1.09
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG11	6	1.09
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG12	6	1.09
(1,3358)	1:454:A:PHE:HA	1:457:A:VAL:HG13	6	1.09
(1,3342)	1:355:A:TRP:HB2	1:355:A:TRP:H	9	1.09
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	4	1.09
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	4	1.09
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	8	1.09
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	8	1.09
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	10	1.09
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	10	1.09
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	5	1.09
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	16	1.09
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	16	1.09
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	16	1.09
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	15	1.09
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	10	1.09
(1,2889)	1:385:A:TRP:HB3	1:385:A:TRP:HD1	20	1.09
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	4	1.09
(1,2581)	1:420:A:ILE:HB	1:420:A:ILE:H	5	1.09
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	10	1.09
(1,2433)	1:450:A:MET:HG3	1:450:A:MET:HB3	19	1.09
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	1	1.09
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	3	1.09
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	7	1.09
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	17	1.09
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	15	1.09
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	17	1.09
(1,2376)	1:372:A:LYS:HB3	1:372:A:LYS:HE3	11	1.09
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	1	1.09
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	1	1.09
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	7	1.09
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	7	1.09
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD1	13	1.09
(1,2359)	1:357:A:TYR:HB3	1:357:A:TYR:HD2	13	1.09
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	2	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	5	1.09
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	10	1.09
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	11	1.09
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	13	1.09
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	6	1.09
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	14	1.09
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	2	1.09
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	12	1.09
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	19	1.09
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	19	1.09
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	19	1.09
(1,2228)	1:387:A:LYS:HB2	1:387:A:LYS:H	8	1.09
(1,2228)	1:387:A:LYS:HB2	1:387:A:LYS:H	9	1.09
(1,2228)	1:387:A:LYS:HB2	1:387:A:LYS:H	10	1.09
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	5	1.09
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	14	1.09
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	15	1.09
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	5	1.09
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	7	1.09
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	8	1.09
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	9	1.09
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	10	1.09
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	14	1.09
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	18	1.09
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	18	1.09
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	18	1.09
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	18	1.09
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	18	1.09
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	18	1.09
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	18	1.09
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	18	1.09
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	18	1.09
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	18	1.09
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	19	1.09
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	3	1.09
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	13	1.09
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	5	1.09
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	5	1.09
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	5	1.09
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	8	1.09
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	10	1.09
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	2	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	6	1.09
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	7	1.09
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	13	1.09
(1,843)	1:389:A:GLU:HG2	1:389:A:GLU:HA	14	1.09
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	1	1.09
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	15	1.09
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	8	1.09
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	10	1.09
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	13	1.09
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	15	1.09
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	2	1.09
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	3	1.09
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	4	1.09
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	6	1.09
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	11	1.09
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	17	1.09
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	19	1.09
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	1	1.09
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	1	1.09
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	1	1.09
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	17	1.09
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	17	1.09
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	17	1.09
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	1	1.09
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	17	1.09
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	18	1.09
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	2	1.09
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	4	1.09
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	6	1.09
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	9	1.09
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	12	1.09
(1,281)	1:413:A:ILE:HB	1:413:A:ILE:HA	3	1.09
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	16	1.09
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	4	1.09
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	16	1.09
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	19	1.09
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	4	1.09
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	4	1.09
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	4	1.09
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	6	1.09
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	6	1.09
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	6	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	12	1.09
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	12	1.09
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	12	1.09
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	18	1.09
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	18	1.09
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	18	1.09
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	19	1.09
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	19	1.09
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	19	1.09
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	5	1.08
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	5	1.08
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	5	1.08
(1,4832)	1:397:A:ASN:HD22	1:400:A:GLY:H	4	1.08
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	6	1.08
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	1	1.08
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	7	1.08
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	14	1.08
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	14	1.08
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	14	1.08
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	8	1.08
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	9	1.08
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	16	1.08
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	4	1.08
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	15	1.08
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	6	1.08
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	17	1.08
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	2	1.08
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	5	1.08
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	7	1.08
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	14	1.08
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	15	1.08
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	5	1.08
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	6	1.08
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	12	1.08
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	12	1.08
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	11	1.08
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	13	1.08
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	6	1.08
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	6	1.08
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	11	1.08
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	11	1.08
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	15	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	15	1.08
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	16	1.08
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	16	1.08
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	18	1.08
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	18	1.08
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	4	1.08
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	4	1.08
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	3	1.08
(1,3237)	1:361:A:LYS:HG3	1:362:A:VAL:H	4	1.08
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	1	1.08
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	1	1.08
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	1	1.08
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	11	1.08
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	11	1.08
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	11	1.08
(1,3072)	1:446:A:PRO:HB2	1:449:A:VAL:H	3	1.08
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	12	1.08
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	9	1.08
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	9	1.08
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	9	1.08
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	9	1.08
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	9	1.08
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	9	1.08
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	1	1.08
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	10	1.08
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	15	1.08
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	18	1.08
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	19	1.08
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	20	1.08
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	1	1.08
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	5	1.08
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	18	1.08
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	13	1.08
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	2	1.08
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	7	1.08
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	12	1.08
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	14	1.08
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	17	1.08
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	5	1.08
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	17	1.08
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	1	1.08
(1,2284)	1:461:A:THR:HA	1:462:A:PRO:HD3	10	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	14	1.08
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	16	1.08
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	16	1.08
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	16	1.08
(1,2228)	1:387:A:LYS:HB2	1:387:A:LYS:H	1	1.08
(1,2228)	1:387:A:LYS:HB2	1:387:A:LYS:H	11	1.08
(1,2228)	1:387:A:LYS:HB2	1:387:A:LYS:H	18	1.08
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	3	1.08
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	6	1.08
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	7	1.08
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	12	1.08
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	16	1.08
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	19	1.08
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	8	1.08
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	17	1.08
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	19	1.08
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	7	1.08
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	15	1.08
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	16	1.08
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	20	1.08
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	12	1.08
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	19	1.08
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	1	1.08
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	2	1.08
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	4	1.08
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	5	1.08
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	6	1.08
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	7	1.08
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	9	1.08
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	12	1.08
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	14	1.08
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	17	1.08
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	20	1.08
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	9	1.08
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	16	1.08
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	9	1.08
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	5	1.08
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	6	1.08
(1,1078)	1:393:A:LEU:HB2	1:393:A:LEU:H	15	1.08
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	1	1.08
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	14	1.08
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	16	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	20	1.08
(1,843)	1:389:A:GLU:HG2	1:389:A:GLU:HA	12	1.08
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	8	1.08
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	13	1.08
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	6	1.08
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	5	1.08
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	7	1.08
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	8	1.08
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	9	1.08
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	13	1.08
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	18	1.08
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	13	1.08
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	12	1.08
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	12	1.08
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	12	1.08
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	13	1.08
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	19	1.08
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	7	1.08
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	5	1.08
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	5	1.08
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	5	1.08
(1,102)	1:352:A:GLN:HA	1:352:A:GLN:HG3	4	1.08
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	13	1.08
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	13	1.08
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	13	1.08
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	15	1.08
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	15	1.08
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	15	1.08
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	20	1.08
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	20	1.08
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	20	1.08
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	16	1.07
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	5	1.07
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	11	1.07
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	13	1.07
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	6	1.07
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	2	1.07
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	2	1.07
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	2	1.07
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	7	1.07
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	7	1.07
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	7	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	13	1.07
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	13	1.07
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	13	1.07
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	10	1.07
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	9	1.07
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	3	1.07
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	15	1.07
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	16	1.07
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	9	1.07
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	8	1.07
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	7	1.07
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	15	1.07
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	9	1.07
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	9	1.07
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	13	1.07
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	18	1.07
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	19	1.07
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	5	1.07
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	7	1.07
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	10	1.07
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	1	1.07
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	4	1.07
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	14	1.07
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	7	1.07
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	7	1.07
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	7	1.07
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	19	1.07
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	19	1.07
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	19	1.07
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	12	1.07
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	7	1.07
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	7	1.07
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	7	1.07
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	9	1.07
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	9	1.07
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	9	1.07
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	4	1.07
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	4	1.07
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	4	1.07
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	4	1.07
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	4	1.07
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	4	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	4	1.07
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	4	1.07
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	4	1.07
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	17	1.07
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	17	1.07
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	17	1.07
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	17	1.07
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	17	1.07
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	17	1.07
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	17	1.07
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	17	1.07
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	17	1.07
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	20	1.07
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	20	1.07
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	20	1.07
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	20	1.07
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	20	1.07
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	20	1.07
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	20	1.07
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	20	1.07
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	20	1.07
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	19	1.07
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	6	1.07
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	3	1.07
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	3	1.07
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	5	1.07
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	5	1.07
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	12	1.07
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	12	1.07
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	9	1.07
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	9	1.07
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	16	1.07
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	16	1.07
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	11	1.07
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	18	1.07
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	19	1.07
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	10	1.07
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	10	1.07
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	10	1.07
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	5	1.07
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	12	1.07
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	17	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	13	1.07
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	5	1.07
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	6	1.07
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	15	1.07
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	5	1.07
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	5	1.07
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	5	1.07
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	5	1.07
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	5	1.07
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	5	1.07
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	3	1.07
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	4	1.07
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	5	1.07
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	8	1.07
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	9	1.07
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	11	1.07
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	12	1.07
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	13	1.07
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	14	1.07
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	16	1.07
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	17	1.07
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	10	1.07
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	20	1.07
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	3	1.07
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	8	1.07
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	9	1.07
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	16	1.07
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	1	1.07
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	12	1.07
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	1	1.07
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	5	1.07
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	7	1.07
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	7	1.07
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	7	1.07
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	7	1.07
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	7	1.07
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	7	1.07
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	7	1.07
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	7	1.07
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	7	1.07
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	10	1.07
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	13	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	16	1.07
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	15	1.07
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	15	1.07
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	15	1.07
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	15	1.07
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	15	1.07
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	15	1.07
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	15	1.07
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	15	1.07
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	15	1.07
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	18	1.07
(1,1552)	1:412:A:PRO:HA	1:413:A:ILE:H	11	1.07
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	4	1.07
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	4	1.07
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	4	1.07
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	9	1.07
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	9	1.07
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	9	1.07
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	14	1.07
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	20	1.07
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	12	1.07
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	17	1.07
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	19	1.07
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD1	8	1.07
(1,1203)	1:344:A:TYR:HB3	1:344:A:TYR:HD2	8	1.07
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	16	1.07
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	4	1.07
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	18	1.07
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	19	1.07
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	15	1.07
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	15	1.07
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	7	1.07
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	10	1.07
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	14	1.07
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	18	1.07
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	12	1.07
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	19	1.07
(1,843)	1:389:A:GLU:HG2	1:389:A:GLU:HA	19	1.07
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	18	1.07
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	4	1.07
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	7	1.07
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	8	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	9	1.07
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	10	1.07
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	11	1.07
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	4	1.07
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	9	1.07
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	18	1.07
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	7	1.07
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	8	1.07
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	9	1.07
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	13	1.07
(1,719)	1:352:A:GLN:HG2	1:352:A:GLN:H	2	1.07
(1,719)	1:352:A:GLN:HG2	1:352:A:GLN:H	9	1.07
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	1	1.07
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	10	1.07
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	14	1.07
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	20	1.07
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	1	1.07
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	16	1.07
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	14	1.07
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	14	1.07
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	14	1.07
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	2	1.07
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	11	1.07
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	20	1.07
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	3	1.07
(1,102)	1:352:A:GLN:HA	1:352:A:GLN:HG3	18	1.07
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	7	1.07
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	7	1.07
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	7	1.07
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	17	1.07
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	17	1.07
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	17	1.07
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	1	1.06
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	1	1.06
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	1	1.06
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	2	1.06
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	2	1.06
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	2	1.06
(1,4856)	1:385:A:TRP:H	1:386:A:ASN:H	6	1.06
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	16	1.06
(1,4360)	1:433:A:LEU:H	1:431:A:GLY:HA3	4	1.06
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	14	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	4	1.06
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	18	1.06
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	19	1.06
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	3	1.06
(1,3927)	1:450:A:MET:H	1:422:A:ASP:H	3	1.06
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	8	1.06
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	8	1.06
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	8	1.06
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	8	1.06
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	8	1.06
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	8	1.06
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	11	1.06
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	13	1.06
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	16	1.06
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	20	1.06
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	6	1.06
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	2	1.06
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	3	1.06
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	7	1.06
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	9	1.06
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	12	1.06
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	18	1.06
(1,3605)	1:425:A:TRP:HH2	1:405:A:SER:HB3	5	1.06
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	13	1.06
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	13	1.06
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	14	1.06
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	14	1.06
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	14	1.06
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	4	1.06
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	11	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	2	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	2	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	2	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	4	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	4	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	4	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	8	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	8	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	8	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	17	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	17	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	17	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	18	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	18	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	18	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	20	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	20	1.06
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	20	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	1	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	1	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	1	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	1	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	1	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	1	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	1	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	1	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	1	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	7	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	7	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	7	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	7	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	7	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	7	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	7	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	7	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	7	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	10	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	10	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	10	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	10	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	10	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	10	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	10	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	10	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	10	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	13	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	13	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	13	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	13	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	13	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	13	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	13	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	13	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	13	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	14	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	14	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	14	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	14	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	14	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	14	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	14	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	14	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	14	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	18	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	18	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	18	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	18	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	18	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	18	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	18	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	18	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	18	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	19	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	19	1.06
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	19	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	19	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	19	1.06
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	19	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	19	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	19	1.06
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	19	1.06
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	5	1.06
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	2	1.06
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	5	1.06
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	5	1.06
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	11	1.06
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	11	1.06
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	20	1.06
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	20	1.06
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	20	1.06
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	7	1.06
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	5	1.06
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	5	1.06
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	5	1.06
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	9	1.06
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	9	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	9	1.06
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	12	1.06
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	12	1.06
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	12	1.06
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	13	1.06
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	15	1.06
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	16	1.06
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	19	1.06
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	20	1.06
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	2	1.06
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	3	1.06
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	4	1.06
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	7	1.06
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	9	1.06
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	14	1.06
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	16	1.06
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	19	1.06
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	20	1.06
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	20	1.06
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	10	1.06
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	10	1.06
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	10	1.06
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	10	1.06
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	10	1.06
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	10	1.06
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	14	1.06
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	14	1.06
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	14	1.06
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	14	1.06
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	14	1.06
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	14	1.06
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	1	1.06
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	9	1.06
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	5	1.06
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	9	1.06
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	20	1.06
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	2	1.06
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	6	1.06
(1,2567)	1:385:A:TRP:HA	1:385:A:TRP:HB3	7	1.06
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	8	1.06
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	13	1.06
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	5	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	13	1.06
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	4	1.06
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	19	1.06
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	7	1.06
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	14	1.06
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	15	1.06
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	18	1.06
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	19	1.06
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	20	1.06
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	9	1.06
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	9	1.06
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	9	1.06
(1,2228)	1:387:A:LYS:HB2	1:387:A:LYS:H	4	1.06
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	9	1.06
(1,1947)	1:406:A:PRO:HB3	1:407:A:VAL:HA	10	1.06
(1,1896)	1:422:A:ASP:HA	1:423:A:SER:HB2	16	1.06
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	11	1.06
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	9	1.06
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	10	1.06
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	12	1.06
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	17	1.06
(1,1749)	1:387:A:LYS:HB3	1:387:A:LYS:HD2	5	1.06
(1,1749)	1:387:A:LYS:HB3	1:387:A:LYS:HD2	6	1.06
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	4	1.06
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	13	1.06
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	18	1.06
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	20	1.06
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	9	1.06
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	11	1.06
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	17	1.06
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	12	1.06
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	12	1.06
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	12	1.06
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	12	1.06
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	12	1.06
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	12	1.06
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	12	1.06
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	12	1.06
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	12	1.06
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	2	1.06
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	2	1.06
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	2	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	2	1.06
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	2	1.06
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	2	1.06
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	2	1.06
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	2	1.06
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	2	1.06
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	18	1.06
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	18	1.06
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	18	1.06
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	7	1.06
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	12	1.06
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	1	1.06
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	6	1.06
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	19	1.06
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	20	1.06
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	5	1.06
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	14	1.06
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	15	1.06
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	20	1.06
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	9	1.06
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	11	1.06
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	12	1.06
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	9	1.06
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	18	1.06
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	19	1.06
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	20	1.06
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	1	1.06
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	4	1.06
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	5	1.06
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	6	1.06
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	9	1.06
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	11	1.06
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	13	1.06
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	15	1.06
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	17	1.06
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	20	1.06
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	1	1.06
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	4	1.06
(1,843)	1:389:A:GLU:HG2	1:389:A:GLU:HA	2	1.06
(1,843)	1:389:A:GLU:HG2	1:389:A:GLU:HA	3	1.06
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	1	1.06
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	2	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	3	1.06
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	5	1.06
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	6	1.06
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	12	1.06
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	13	1.06
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	14	1.06
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	15	1.06
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	16	1.06
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	17	1.06
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	18	1.06
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	19	1.06
(1,836)	1:446:A:PRO:HG2	1:446:A:PRO:HB2	20	1.06
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	12	1.06
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	2	1.06
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	6	1.06
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	7	1.06
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	15	1.06
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	20	1.06
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	3	1.06
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	7	1.06
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	3	1.06
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	4	1.06
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	10	1.06
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	15	1.06
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	16	1.06
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	18	1.06
(1,712)	1:387:A:LYS:HG2	1:387:A:LYS:H	6	1.06
(1,681)	1:394:A:LYS:HG3	1:394:A:LYS:HA	12	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	2	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	3	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	4	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	5	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	6	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	7	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	8	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	9	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	10	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	11	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	12	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	13	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	14	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	15	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	17	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	18	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	19	1.06
(1,536)	1:387:A:LYS:HB3	1:387:A:LYS:HB2	20	1.06
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	5	1.06
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	5	1.06
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	5	1.06
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	16	1.06
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	16	1.06
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	16	1.06
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	6	1.06
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	7	1.06
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	8	1.06
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	9	1.06
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	10	1.06
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	12	1.06
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	5	1.06
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	5	1.06
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	5	1.06
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	16	1.06
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	16	1.06
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	16	1.06
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	9	1.06
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	1	1.06
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	4	1.06
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	6	1.06
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	5	1.06
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	5	1.06
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	5	1.06
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	16	1.06
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	16	1.06
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	16	1.06
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	1	1.06
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	1	1.06
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	2	1.06
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	3	1.06
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	4	1.06
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	7	1.06
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	9	1.06
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	11	1.06
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	13	1.06
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	14	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	15	1.06
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	16	1.06
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	17	1.06
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	18	1.06
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	19	1.06
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	20	1.06
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	16	1.06
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD11	3	1.06
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD12	3	1.06
(1,47)	1:382:A:PHE:HB2	1:413:A:ILE:HD13	3	1.06
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD21	3	1.05
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD22	3	1.05
(1,4989)	1:391:A:ALA:H	1:393:A:LEU:HD23	3	1.05
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	3	1.05
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	8	1.05
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	6	1.05
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	6	1.05
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	6	1.05
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG11	7	1.05
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG12	7	1.05
(1,4516)	1:461:A:THR:H	1:457:A:VAL:HG13	7	1.05
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	12	1.05
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	12	1.05
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	12	1.05
(1,4484)	1:340:A:MET:H	1:340:A:MET:HB2	5	1.05
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	2	1.05
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	4	1.05
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	17	1.05
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	9	1.05
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	14	1.05
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	10	1.05
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	2	1.05
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	5	1.05
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	11	1.05
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	7	1.05
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	7	1.05
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	7	1.05
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	7	1.05
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	7	1.05
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	7	1.05
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	13	1.05
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	13	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	13	1.05
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	13	1.05
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	13	1.05
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	13	1.05
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	8	1.05
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	18	1.05
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	9	1.05
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	3	1.05
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	3	1.05
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	3	1.05
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	3	1.05
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	3	1.05
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	3	1.05
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	10	1.05
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	10	1.05
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	10	1.05
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	10	1.05
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	10	1.05
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	10	1.05
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	17	1.05
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	5	1.05
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	11	1.05
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	13	1.05
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	16	1.05
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	17	1.05
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG21	9	1.05
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG22	9	1.05
(1,3648)	1:355:A:TRP:HZ3	1:362:A:VAL:HG23	9	1.05
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	4	1.05
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	4	1.05
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	4	1.05
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	8	1.05
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	8	1.05
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	8	1.05
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	20	1.05
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	2	1.05
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	2	1.05
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	2	1.05
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	1	1.05
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	1	1.05
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	1	1.05
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	10	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	10	1.05
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	10	1.05
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	11	1.05
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	11	1.05
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	11	1.05
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	14	1.05
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	14	1.05
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	14	1.05
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	16	1.05
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	16	1.05
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	16	1.05
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	19	1.05
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	19	1.05
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	19	1.05
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	15	1.05
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	15	1.05
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	15	1.05
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	15	1.05
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	15	1.05
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	15	1.05
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	15	1.05
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	15	1.05
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	15	1.05
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	17	1.05
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	18	1.05
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	3	1.05
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	8	1.05
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	2	1.05
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	2	1.05
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD1	2	1.05
(1,3250)	1:382:A:PHE:HB2	1:382:A:PHE:HD2	2	1.05
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	4	1.05
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	6	1.05
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	7	1.05
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	13	1.05
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	13	1.05
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	13	1.05
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	15	1.05
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	15	1.05
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	15	1.05
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	4	1.05
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	17	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	17	1.05
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	17	1.05
(1,3068)	1:393:A:LEU:HD11	1:393:A:LEU:H	15	1.05
(1,3068)	1:393:A:LEU:HD12	1:393:A:LEU:H	15	1.05
(1,3068)	1:393:A:LEU:HD13	1:393:A:LEU:H	15	1.05
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	2	1.05
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	3	1.05
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	7	1.05
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	8	1.05
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	10	1.05
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	11	1.05
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	14	1.05
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	18	1.05
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	20	1.05
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	1	1.05
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	8	1.05
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	10	1.05
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	11	1.05
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	13	1.05
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	17	1.05
(1,2811)	1:353:A:HIS:HB2	1:353:A:HIS:HA	18	1.05
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	1	1.05
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	1	1.05
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	1	1.05
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	1	1.05
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	1	1.05
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	1	1.05
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	8	1.05
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	8	1.05
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	8	1.05
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	8	1.05
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	8	1.05
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	8	1.05
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	11	1.05
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	11	1.05
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	11	1.05
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	11	1.05
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	11	1.05
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	11	1.05
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	16	1.05
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	16	1.05
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	16	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	16	1.05
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	16	1.05
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	16	1.05
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	3	1.05
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	6	1.05
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	8	1.05
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	6	1.05
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	11	1.05
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	13	1.05
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	16	1.05
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	17	1.05
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	14	1.05
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	19	1.05
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	15	1.05
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	20	1.05
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	3	1.05
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	13	1.05
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	16	1.05
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	6	1.05
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	1	1.05
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	18	1.05
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	8	1.05
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	11	1.05
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	16	1.05
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	3	1.05
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	16	1.05
(1,1814)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	16	1.05
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	4	1.05
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	2	1.05
(1,1749)	1:387:A:LYS:HB3	1:387:A:LYS:HD2	2	1.05
(1,1749)	1:387:A:LYS:HB3	1:387:A:LYS:HD2	3	1.05
(1,1749)	1:387:A:LYS:HB3	1:387:A:LYS:HD2	7	1.05
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	17	1.05
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	14	1.05
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	18	1.05
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD21	20	1.05
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD22	20	1.05
(1,1676)	1:379:A:ALA:HB1	1:349:A:LEU:HD23	20	1.05
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD21	20	1.05
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD22	20	1.05
(1,1676)	1:379:A:ALA:HB2	1:349:A:LEU:HD23	20	1.05
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD21	20	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD22	20	1.05
(1,1676)	1:379:A:ALA:HB3	1:349:A:LEU:HD23	20	1.05
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	8	1.05
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	20	1.05
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	3	1.05
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	8	1.05
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	11	1.05
(1,1619)	1:446:A:PRO:HA	1:447:A:PRO:HD3	15	1.05
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	17	1.05
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	17	1.05
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	17	1.05
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	17	1.05
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	17	1.05
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	17	1.05
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	17	1.05
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	17	1.05
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	17	1.05
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	19	1.05
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	19	1.05
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	19	1.05
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	19	1.05
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	19	1.05
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	19	1.05
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	19	1.05
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	19	1.05
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	19	1.05
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	2	1.05
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	3	1.05
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	4	1.05
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	5	1.05
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	7	1.05
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	8	1.05
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	9	1.05
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	11	1.05
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	12	1.05
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	13	1.05
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	14	1.05
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	15	1.05
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	16	1.05
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	17	1.05
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	18	1.05
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	7	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	1	1.05
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	14	1.05
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	17	1.05
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	18	1.05
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	19	1.05
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	20	1.05
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	6	1.05
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	8	1.05
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	8	1.05
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	1	1.05
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	4	1.05
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	8	1.05
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	11	1.05
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	12	1.05
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	13	1.05
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	14	1.05
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	15	1.05
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	17	1.05
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	3	1.05
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	8	1.05
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	12	1.05
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	11	1.05
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	17	1.05
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	5	1.05
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	12	1.05
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	14	1.05
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	16	1.05
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	6	1.05
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	13	1.05
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	14	1.05
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	11	1.05
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	19	1.05
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	3	1.05
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	4	1.05
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	9	1.05
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	3	1.05
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	4	1.05
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	8	1.05
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	10	1.05
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	11	1.05
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	13	1.05
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	18	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	19	1.05
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	20	1.05
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	19	1.05
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	19	1.05
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	19	1.05
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	3	1.05
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	4	1.05
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	16	1.05
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	12	1.05
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	12	1.05
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	12	1.05
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	13	1.05
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	13	1.05
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	13	1.05
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	17	1.05
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	17	1.05
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	17	1.05
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	13	1.05
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	8	1.05
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	11	1.05
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	12	1.05
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	14	1.05
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	18	1.05
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	3	1.05
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	5	1.05
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	7	1.05
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	8	1.05
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	10	1.05
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	11	1.05
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	13	1.05
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	14	1.05
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	15	1.05
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	16	1.05
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	17	1.05
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	18	1.05
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	19	1.05
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	20	1.05
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	11	1.05
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	12	1.05
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	12	1.05
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	12	1.05
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	13	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	13	1.05
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	13	1.05
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	17	1.05
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	17	1.05
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	17	1.05
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	2	1.05
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	6	1.05
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	9	1.05
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	5	1.05
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	6	1.05
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	8	1.05
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	10	1.05
(1,97)	1:393:A:LEU:HB2	1:393:A:LEU:HB3	12	1.05
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	1	1.05
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	15	1.05
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	3	1.04
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	8	1.04
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	8	1.04
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	8	1.04
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	3	1.04
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	17	1.04
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	6	1.04
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	18	1.04
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	18	1.04
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	18	1.04
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	3	1.04
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	2	1.04
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	6	1.04
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	1	1.04
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	15	1.04
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	20	1.04
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	4	1.04
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	3	1.04
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	19	1.04
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	1	1.04
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	4	1.04
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	8	1.04
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	10	1.04
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	14	1.04
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	15	1.04
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	19	1.04
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	1	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	1	1.04
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	1	1.04
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	17	1.04
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	1	1.04
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	2	1.04
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	3	1.04
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	4	1.04
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	5	1.04
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	7	1.04
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	8	1.04
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	9	1.04
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	10	1.04
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	12	1.04
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	14	1.04
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	16	1.04
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	17	1.04
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	19	1.04
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	5	1.04
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	5	1.04
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	5	1.04
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	3	1.04
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	3	1.04
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	3	1.04
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	3	1.04
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	3	1.04
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	3	1.04
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	3	1.04
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	3	1.04
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	3	1.04
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	3	1.04
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	2	1.04
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	4	1.04
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	18	1.04
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	9	1.04
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	16	1.04
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	15	1.04
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	20	1.04
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	14	1.04
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	14	1.04
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	14	1.04
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	4	1.04
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	6	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	9	1.04
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	15	1.04
(1,2899)	1:339:A:HIS:HB3	1:340:A:MET:H	13	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	1	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	2	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	3	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	4	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	5	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	6	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	7	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	8	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	9	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	10	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	11	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	12	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	13	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	14	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	15	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	16	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	17	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	18	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	19	1.04
(1,2646)	1:413:A:ILE:HG12	1:413:A:ILE:HG13	20	1.04
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	2	1.04
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	12	1.04
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	2	1.04
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	3	1.04
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	4	1.04
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	7	1.04
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	8	1.04
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	10	1.04
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	12	1.04
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	14	1.04
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	15	1.04
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	1	1.04
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	13	1.04
(1,2427)	1:372:A:LYS:HA	1:372:A:LYS:HB2	6	1.04
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	1	1.04
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	2	1.04
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	4	1.04
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	7	1.04
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	8	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	9	1.04
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	11	1.04
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	14	1.04
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	17	1.04
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	18	1.04
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	19	1.04
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	20	1.04
(1,2355)	1:434:A:TRP:HB2	1:434:A:TRP:HA	15	1.04
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	7	1.04
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	8	1.04
(1,2228)	1:387:A:LYS:HB2	1:387:A:LYS:H	13	1.04
(1,2228)	1:387:A:LYS:HB2	1:387:A:LYS:H	20	1.04
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	11	1.04
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	3	1.04
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	4	1.04
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	6	1.04
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	8	1.04
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	18	1.04
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	13	1.04
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	1	1.04
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	4	1.04
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	8	1.04
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	12	1.04
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	13	1.04
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	19	1.04
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	3	1.04
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	3	1.04
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	3	1.04
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	3	1.04
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	3	1.04
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	3	1.04
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	3	1.04
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	3	1.04
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	3	1.04
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	13	1.04
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	13	1.04
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	13	1.04
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	13	1.04
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	13	1.04
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	13	1.04
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	13	1.04
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	13	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	13	1.04
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	14	1.04
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	14	1.04
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	14	1.04
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	14	1.04
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	14	1.04
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	14	1.04
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	14	1.04
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	14	1.04
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	14	1.04
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	20	1.04
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	20	1.04
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	20	1.04
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	20	1.04
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	20	1.04
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	20	1.04
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	20	1.04
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	20	1.04
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	20	1.04
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	11	1.04
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	11	1.04
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	11	1.04
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	5	1.04
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	5	1.04
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	5	1.04
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	5	1.04
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	5	1.04
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	5	1.04
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	5	1.04
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	5	1.04
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	5	1.04
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	16	1.04
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	16	1.04
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	16	1.04
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	16	1.04
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	16	1.04
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	16	1.04
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	16	1.04
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	16	1.04
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	16	1.04
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	19	1.04
(1,1396)	1:443:A:ILE:HB	1:443:A:ILE:HG12	10	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	1	1.04
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	2	1.04
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	13	1.04
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	8	1.04
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	9	1.04
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	11	1.04
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	13	1.04
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	17	1.04
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	20	1.04
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	2	1.04
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	8	1.04
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	13	1.04
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	15	1.04
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	10	1.04
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	9	1.04
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	14	1.04
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	14	1.04
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	16	1.04
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	16	1.04
(1,878)	1:452:A:GLU:HA	1:453:A:LEU:HB3	19	1.04
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	8	1.04
(1,868)	1:394:A:LYS:HB2	1:394:A:LYS:HE2	14	1.04
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	15	1.04
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	5	1.04
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	7	1.04
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	8	1.04
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	11	1.04
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	14	1.04
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	15	1.04
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	17	1.04
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	3	1.04
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	11	1.04
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	11	1.04
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	20	1.04
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	1	1.04
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	2	1.04
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	5	1.04
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	17	1.04
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	20	1.04
(1,719)	1:352:A:GLN:HG2	1:352:A:GLN:H	5	1.04
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	12	1.04
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	14	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	1	1.04
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	2	1.04
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	5	1.04
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	6	1.04
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	7	1.04
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	9	1.04
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	12	1.04
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	14	1.04
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	15	1.04
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	16	1.04
(1,658)	1:355:A:TRP:HB3	1:355:A:TRP:HB2	17	1.04
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	10	1.04
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	18	1.04
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	15	1.04
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	17	1.04
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	6	1.04
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	6	1.04
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	6	1.04
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	18	1.04
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	18	1.04
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	18	1.04
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	20	1.04
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	20	1.04
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	20	1.04
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	5	1.04
(1,498)	1:382:A:PHE:HA	1:383:A:TYR:HB3	15	1.04
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	2	1.04
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	2	1.04
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	2	1.04
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	6	1.04
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	6	1.04
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	6	1.04
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	11	1.04
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	11	1.04
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	11	1.04
(1,272)	1:372:A:LYS:HB3	1:372:A:LYS:HG2	11	1.04
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	10	1.04
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	15	1.04
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	16	1.04
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	17	1.04
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	19	1.04
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	2	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	9	1.04
(1,262)	1:379:A:ALA:HA	1:378:A:PRO:HA	12	1.04
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	2	1.04
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	2	1.04
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	2	1.04
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	6	1.04
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	6	1.04
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	6	1.04
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	11	1.04
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	11	1.04
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	11	1.04
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	7	1.04
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	1	1.04
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	13	1.03
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	13	1.03
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	13	1.03
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	18	1.03
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	18	1.03
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	18	1.03
(1,4890)	1:445:A:THR:H	1:423:A:SER:HB2	17	1.03
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	12	1.03
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	5	1.03
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	3	1.03
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	7	1.03
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	12	1.03
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	14	1.03
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	18	1.03
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	20	1.03
(1,4574)	1:397:A:ASN:HD21	1:397:A:ASN:H	9	1.03
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	1	1.03
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	1	1.03
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	1	1.03
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	2	1.03
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	2	1.03
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	2	1.03
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	19	1.03
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	1	1.03
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	4	1.03
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	16	1.03
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	6	1.03
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	6	1.03
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	6	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	6	1.03
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	6	1.03
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	6	1.03
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	10	1.03
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	10	1.03
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	10	1.03
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	10	1.03
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	10	1.03
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	10	1.03
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	14	1.03
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	14	1.03
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	14	1.03
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	14	1.03
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	14	1.03
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	14	1.03
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	16	1.03
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	16	1.03
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	16	1.03
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	16	1.03
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	16	1.03
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	16	1.03
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	20	1.03
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	20	1.03
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	20	1.03
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	20	1.03
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	20	1.03
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	20	1.03
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	16	1.03
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	16	1.03
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	16	1.03
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	16	1.03
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	16	1.03
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	16	1.03
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	19	1.03
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	19	1.03
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	19	1.03
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	19	1.03
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	19	1.03
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	19	1.03
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	3	1.03
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	3	1.03
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	3	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	7	1.03
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	6	1.03
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	3	1.03
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	3	1.03
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	3	1.03
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG21	13	1.03
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG22	13	1.03
(1,3413)	1:407:A:VAL:HA	1:407:A:VAL:HG23	13	1.03
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	8	1.03
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	8	1.03
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	8	1.03
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	8	1.03
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	8	1.03
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	8	1.03
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	8	1.03
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	8	1.03
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	8	1.03
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	9	1.03
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	9	1.03
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	9	1.03
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	9	1.03
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	9	1.03
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	9	1.03
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	9	1.03
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	9	1.03
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	9	1.03
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	1	1.03
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	2	1.03
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	4	1.03
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	5	1.03
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	7	1.03
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	8	1.03
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	9	1.03
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	11	1.03
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	13	1.03
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	19	1.03
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	20	1.03
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	4	1.03
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	7	1.03
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	13	1.03
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	19	1.03
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	5	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	9	1.03
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	12	1.03
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	14	1.03
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	9	1.03
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	9	1.03
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	9	1.03
(1,3025)	1:344:A:TYR:HB3	1:344:A:TYR:HA	1	1.03
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	13	1.03
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	4	1.03
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	18	1.03
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	7	1.03
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	12	1.03
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD1	13	1.03
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD2	13	1.03
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD1	13	1.03
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD2	13	1.03
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD1	13	1.03
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD2	13	1.03
(1,2690)	1:399:A:ASP:HB2	1:398:A:ASP:HA	4	1.03
(1,2690)	1:399:A:ASP:HB2	1:398:A:ASP:HA	13	1.03
(1,2690)	1:399:A:ASP:HB2	1:398:A:ASP:HA	19	1.03
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	2	1.03
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	2	1.03
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	2	1.03
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	2	1.03
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	2	1.03
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	2	1.03
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	17	1.03
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	17	1.03
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	17	1.03
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	17	1.03
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	17	1.03
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	17	1.03
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	11	1.03
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	15	1.03
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	1	1.03
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	18	1.03
(1,2588)	1:435:A:LYS:HG3	1:435:A:LYS:HB2	19	1.03
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	6	1.03
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	1	1.03
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	3	1.03
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	7	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	18	1.03
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	20	1.03
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	1	1.03
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	10	1.03
(1,2228)	1:387:A:LYS:HB2	1:387:A:LYS:H	15	1.03
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	12	1.03
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	13	1.03
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	19	1.03
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	2	1.03
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	5	1.03
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	7	1.03
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	8	1.03
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	12	1.03
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	13	1.03
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	19	1.03
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	20	1.03
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	18	1.03
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	18	1.03
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	18	1.03
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	12	1.03
(1,1701)	1:465:A:VAL:HB	1:466:A:PHE:H	16	1.03
(1,1683)	1:412:A:PRO:HG3	1:412:A:PRO:HD2	18	1.03
(1,1681)	1:458:A:GLU:HB2	1:459:A:LYS:H	15	1.03
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	11	1.03
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	11	1.03
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	11	1.03
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	11	1.03
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	11	1.03
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	11	1.03
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	11	1.03
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	11	1.03
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	11	1.03
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	18	1.03
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	18	1.03
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	18	1.03
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	18	1.03
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	18	1.03
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	18	1.03
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	18	1.03
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	18	1.03
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	18	1.03
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	8	1.03
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	10	1.03
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	16	1.03
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	18	1.03
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	2	1.03
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	3	1.03
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	4	1.03
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	5	1.03
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	6	1.03
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	7	1.03
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	10	1.03
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	12	1.03
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	15	1.03
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	16	1.03
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	18	1.03
(1,1238)	1:462:A:PRO:HD3	1:462:A:PRO:HG3	19	1.03
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	18	1.03
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	18	1.03
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	18	1.03
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	2	1.03
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	4	1.03
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	8	1.03
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	9	1.03
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	11	1.03
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	4	1.03
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	6	1.03
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	7	1.03
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	12	1.03
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	2	1.03
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	5	1.03
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	7	1.03
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	14	1.03
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	7	1.03
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	12	1.03
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	1	1.03
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	4	1.03
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	6	1.03
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	10	1.03
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	13	1.03
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	16	1.03
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	18	1.03
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	20	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	2	1.03
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	17	1.03
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	19	1.03
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	2	1.03
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	4	1.03
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	17	1.03
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	6	1.03
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	12	1.03
(1,721)	1:410:A:TRP:HB3	1:410:A:TRP:H	14	1.03
(1,719)	1:352:A:GLN:HG2	1:352:A:GLN:H	11	1.03
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	1	1.03
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	6	1.03
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	7	1.03
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	20	1.03
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	9	1.03
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	15	1.03
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	17	1.03
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	2	1.03
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	6	1.03
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	8	1.03
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	9	1.03
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	11	1.03
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	18	1.03
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	20	1.03
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	3	1.03
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	3	1.03
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	3	1.03
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	15	1.03
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	15	1.03
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	15	1.03
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	7	1.03
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	7	1.03
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	7	1.03
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	9	1.03
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	9	1.03
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	9	1.03
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	10	1.03
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	10	1.03
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	10	1.03
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	14	1.03
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	14	1.03
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	14	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	5	1.03
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	10	1.03
(1,377)	1:412:A:PRO:HB2	1:412:A:PRO:HA	18	1.03
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	4	1.03
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	13	1.03
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	20	1.03
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	7	1.03
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	7	1.03
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	7	1.03
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	9	1.03
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	9	1.03
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	9	1.03
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	10	1.03
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	10	1.03
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	10	1.03
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	14	1.03
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	14	1.03
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	14	1.03
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	17	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	1	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	2	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	3	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	4	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	5	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	6	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	7	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	8	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	9	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	10	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	11	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	12	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	13	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	14	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	15	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	16	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	17	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	18	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	19	1.03
(1,84)	1:446:A:PRO:HG2	1:446:A:PRO:HG3	20	1.03
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	4	1.03
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	7	1.03
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	8	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	9	1.03
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	11	1.03
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	14	1.03
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	18	1.03
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	12	1.03
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	11	1.02
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	11	1.02
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	11	1.02
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	17	1.02
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	17	1.02
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	17	1.02
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	4	1.02
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	8	1.02
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	19	1.02
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	2	1.02
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	3	1.02
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	3	1.02
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	3	1.02
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	13	1.02
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	13	1.02
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	13	1.02
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	20	1.02
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	20	1.02
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	20	1.02
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	5	1.02
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	13	1.02
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	14	1.02
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	11	1.02
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	2	1.02
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	19	1.02
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	12	1.02
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	12	1.02
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	12	1.02
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	12	1.02
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	12	1.02
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	12	1.02
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	19	1.02
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	19	1.02
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	19	1.02
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	19	1.02
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	19	1.02
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	19	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	2	1.02
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	2	1.02
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	2	1.02
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	2	1.02
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	2	1.02
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	2	1.02
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	14	1.02
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	14	1.02
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	14	1.02
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	14	1.02
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	14	1.02
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	14	1.02
(1,3652)	1:385:A:TRP:HZ3	1:385:A:TRP:HB3	20	1.02
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	15	1.02
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	13	1.02
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	15	1.02
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	18	1.02
(1,3446)	1:372:A:LYS:HG2	1:372:A:LYS:HG3	20	1.02
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	5	1.02
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	5	1.02
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	5	1.02
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	5	1.02
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	5	1.02
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	5	1.02
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	5	1.02
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	5	1.02
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	5	1.02
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	11	1.02
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	11	1.02
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	11	1.02
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	11	1.02
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	11	1.02
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	11	1.02
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	11	1.02
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	11	1.02
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	11	1.02
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	16	1.02
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	16	1.02
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	16	1.02
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	16	1.02
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	16	1.02
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	16	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	16	1.02
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	16	1.02
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	16	1.02
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	6	1.02
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	10	1.02
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	14	1.02
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	15	1.02
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	16	1.02
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	17	1.02
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	18	1.02
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	11	1.02
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	14	1.02
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	20	1.02
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	2	1.02
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	18	1.02
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	19	1.02
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	8	1.02
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	10	1.02
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	7	1.02
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	1	1.02
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	2	1.02
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	3	1.02
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	5	1.02
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	10	1.02
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	11	1.02
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	13	1.02
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	14	1.02
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	17	1.02
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	20	1.02
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	3	1.02
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	16	1.02
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	19	1.02
(1,2690)	1:399:A:ASP:HB2	1:398:A:ASP:HA	18	1.02
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	18	1.02
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	18	1.02
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	18	1.02
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	18	1.02
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	18	1.02
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	18	1.02
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	19	1.02
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	19	1.02
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	19	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	19	1.02
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	19	1.02
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	19	1.02
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	5	1.02
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	7	1.02
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	13	1.02
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	16	1.02
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	14	1.02
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	3	1.02
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	14	1.02
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	8	1.02
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	3	1.02
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	16	1.02
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	13	1.02
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	5	1.02
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	7	1.02
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	11	1.02
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	1	1.02
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	3	1.02
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	6	1.02
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	9	1.02
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	11	1.02
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	14	1.02
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	17	1.02
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	18	1.02
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	14	1.02
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	17	1.02
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	2	1.02
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	20	1.02
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	4	1.02
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	4	1.02
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	4	1.02
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	4	1.02
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	4	1.02
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	4	1.02
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	4	1.02
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	4	1.02
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	4	1.02
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	7	1.02
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	7	1.02
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	7	1.02
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	7	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	7	1.02
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	7	1.02
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	7	1.02
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	7	1.02
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	7	1.02
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	9	1.02
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	9	1.02
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	9	1.02
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	9	1.02
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	9	1.02
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	9	1.02
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	9	1.02
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	9	1.02
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	9	1.02
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	10	1.02
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	10	1.02
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	10	1.02
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	15	1.02
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	15	1.02
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	15	1.02
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	20	1.02
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	20	1.02
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	20	1.02
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	7	1.02
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	15	1.02
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	1	1.02
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	3	1.02
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	13	1.02
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	14	1.02
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	17	1.02
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	18	1.02
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	19	1.02
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	20	1.02
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	3	1.02
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	14	1.02
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	20	1.02
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	13	1.02
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	18	1.02
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	18	1.02
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	3	1.02
(1,916)	1:460:A:GLY:HA2	1:460:A:GLY:H	6	1.02
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	1	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	2	1.02
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	3	1.02
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	5	1.02
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	10	1.02
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	11	1.02
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	13	1.02
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	14	1.02
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	17	1.02
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	20	1.02
(1,843)	1:389:A:GLU:HG2	1:389:A:GLU:HA	16	1.02
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	19	1.02
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	6	1.02
(1,759)	1:443:A:ILE:HB	1:443:A:ILE:H	10	1.02
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	8	1.02
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	12	1.02
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	19	1.02
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	18	1.02
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	7	1.02
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	16	1.02
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	1	1.02
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	4	1.02
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	7	1.02
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	12	1.02
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	14	1.02
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	17	1.02
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	9	1.02
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	9	1.02
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	9	1.02
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	1	1.02
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	1	1.02
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	1	1.02
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	16	1.02
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	1	1.02
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	16	1.02
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	1	1.02
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	1	1.02
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	1	1.02
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	2	1.02
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	3	1.02
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	5	1.02
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	6	1.02
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	10	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	12	1.02
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	13	1.02
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	15	1.02
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	16	1.02
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	17	1.02
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	19	1.02
(1,71)	1:462:A:PRO:HD2	1:462:A:PRO:HG2	20	1.02
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	6	1.02
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	9	1.01
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	9	1.01
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	9	1.01
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	4	1.01
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	16	1.01
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	1	1.01
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	2	1.01
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	10	1.01
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	17	1.01
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	1	1.01
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	8	1.01
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	9	1.01
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	9	1.01
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	9	1.01
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	17	1.01
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	17	1.01
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	17	1.01
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	4	1.01
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	6	1.01
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	7	1.01
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	15	1.01
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	20	1.01
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	1	1.01
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	3	1.01
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	5	1.01
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	13	1.01
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	14	1.01
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	1	1.01
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	1	1.01
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	1	1.01
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	1	1.01
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	1	1.01
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	1	1.01
(1,3721)	1:410:A:TRP:HE3	1:410:A:TRP:HA	9	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	8	1.01
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	8	1.01
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	8	1.01
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	8	1.01
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	8	1.01
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	8	1.01
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	20	1.01
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	20	1.01
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	20	1.01
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	20	1.01
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	20	1.01
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	20	1.01
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	2	1.01
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	20	1.01
(1,3605)	1:425:A:TRP:HH2	1:405:A:SER:HB3	10	1.01
(1,3605)	1:425:A:TRP:HH2	1:405:A:SER:HB3	15	1.01
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	15	1.01
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	15	1.01
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	19	1.01
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	19	1.01
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	9	1.01
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	12	1.01
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	12	1.01
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	12	1.01
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	12	1.01
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	12	1.01
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	12	1.01
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	12	1.01
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	12	1.01
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	12	1.01
(1,3384)	1:410:A:TRP:HA	1:410:A:TRP:HB2	12	1.01
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	16	1.01
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	10	1.01
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	6	1.01
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	1	1.01
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	2	1.01
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	5	1.01
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	15	1.01
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	19	1.01
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	20	1.01
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	4	1.01
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	8	1.01
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	9	1.01
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	16	1.01
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	18	1.01
(1,2938)	1:349:A:LEU:HB3	1:349:A:LEU:HG	19	1.01
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	9	1.01
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	11	1.01
(1,2929)	1:414:A:ASP:HB3	1:414:A:ASP:H	16	1.01
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD1	5	1.01
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD2	5	1.01
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD1	5	1.01
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD2	5	1.01
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD1	5	1.01
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD2	5	1.01
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	12	1.01
(1,2690)	1:399:A:ASP:HB2	1:398:A:ASP:HA	5	1.01
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	4	1.01
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	4	1.01
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	4	1.01
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	4	1.01
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	4	1.01
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	4	1.01
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	6	1.01
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	6	1.01
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	6	1.01
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	6	1.01
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	6	1.01
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	6	1.01
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	12	1.01
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	12	1.01
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	12	1.01
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	12	1.01
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	12	1.01
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	12	1.01
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	13	1.01
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	13	1.01
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	13	1.01
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	13	1.01
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	13	1.01
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	13	1.01
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	15	1.01
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	15	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	15	1.01
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	15	1.01
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	15	1.01
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	15	1.01
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	7	1.01
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	7	1.01
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	7	1.01
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	10	1.01
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	14	1.01
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	18	1.01
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	19	1.01
(1,2608)	1:408:A:ASN:HA	1:407:A:VAL:HB	13	1.01
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	4	1.01
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	2	1.01
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	16	1.01
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	20	1.01
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	3	1.01
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	5	1.01
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	4	1.01
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	4	1.01
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	4	1.01
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	3	1.01
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	3	1.01
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	3	1.01
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	9	1.01
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	10	1.01
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	15	1.01
(1,2022)	1:451:A:LYS:HB2	1:451:A:LYS:HE2	8	1.01
(1,1896)	1:422:A:ASP:HA	1:423:A:SER:HB2	10	1.01
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	12	1.01
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	20	1.01
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	14	1.01
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	16	1.01
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	16	1.01
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	1	1.01
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	1	1.01
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	1	1.01
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	1	1.01
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	1	1.01
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	1	1.01
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	1	1.01
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	1	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	1	1.01
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD11	8	1.01
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD12	8	1.01
(1,1561)	1:407:A:VAL:HG11	1:393:A:LEU:HD13	8	1.01
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD11	8	1.01
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD12	8	1.01
(1,1561)	1:407:A:VAL:HG12	1:393:A:LEU:HD13	8	1.01
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD11	8	1.01
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD12	8	1.01
(1,1561)	1:407:A:VAL:HG13	1:393:A:LEU:HD13	8	1.01
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	15	1.01
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	16	1.01
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	1	1.01
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	8	1.01
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	11	1.01
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	15	1.01
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	3	1.01
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	9	1.01
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	1	1.01
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	6	1.01
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	11	1.01
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	12	1.01
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	17	1.01
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	7	1.01
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	1	1.01
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	5	1.01
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	3	1.01
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	7	1.01
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	15	1.01
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	17	1.01
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	11	1.01
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	11	1.01
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	17	1.01
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	17	1.01
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	6	1.01
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	15	1.01
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	1	1.01
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	6	1.01
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	14	1.01
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	18	1.01
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	20	1.01
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	4	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	4	1.01
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	10	1.01
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	10	1.01
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	2	1.01
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	2	1.01
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	16	1.01
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	16	1.01
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	18	1.01
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	18	1.01
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	19	1.01
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	19	1.01
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	20	1.01
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	20	1.01
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	4	1.01
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	6	1.01
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	8	1.01
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	9	1.01
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	16	1.01
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	18	1.01
(1,856)	1:349:A:LEU:HG	1:349:A:LEU:HB3	19	1.01
(1,843)	1:389:A:GLU:HG2	1:389:A:GLU:HA	5	1.01
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	2	1.01
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	3	1.01
(1,818)	1:356:A:TYR:HB3	1:356:A:TYR:H	12	1.01
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	4	1.01
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	1	1.01
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	10	1.01
(1,719)	1:352:A:GLN:HG2	1:352:A:GLN:H	6	1.01
(1,719)	1:352:A:GLN:HG2	1:352:A:GLN:H	13	1.01
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	2	1.01
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	17	1.01
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	8	1.01
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	11	1.01
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	20	1.01
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	3	1.01
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	2	1.01
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	2	1.01
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	2	1.01
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	7	1.01
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	7	1.01
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	7	1.01
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	20	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	20	1.01
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	20	1.01
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	9	1.01
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	7	1.01
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	7	1.01
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	7	1.01
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	9	1.01
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	14	1.01
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	20	1.01
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	20	1.01
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	20	1.01
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	1	1.01
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	10	1.01
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	14	1.01
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	20	1.01
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	7	1.0
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	7	1.0
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	7	1.0
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	20	1.0
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	20	1.0
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	20	1.0
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	19	1.0
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	15	1.0
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD21	5	1.0
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD22	5	1.0
(1,4487)	1:349:A:LEU:H	1:349:A:LEU:HD23	5	1.0
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	6	1.0
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	11	1.0
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	3	1.0
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	10	1.0
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	14	1.0
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	16	1.0
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	17	1.0
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	19	1.0
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	11	1.0
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	11	1.0
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	12	1.0
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	16	1.0
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	17	1.0
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	14	1.0
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	20	1.0
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	3	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	3	1.0
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	3	1.0
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	3	1.0
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	3	1.0
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	3	1.0
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	17	1.0
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	17	1.0
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	17	1.0
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	17	1.0
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	17	1.0
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	17	1.0
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	7	1.0
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	7	1.0
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	7	1.0
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	7	1.0
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	7	1.0
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	7	1.0
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	15	1.0
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	15	1.0
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	15	1.0
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	15	1.0
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	15	1.0
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	15	1.0
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	17	1.0
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	17	1.0
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	17	1.0
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	17	1.0
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	17	1.0
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	17	1.0
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	18	1.0
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	18	1.0
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	18	1.0
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	18	1.0
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	18	1.0
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	18	1.0
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	10	1.0
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	10	1.0
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	9	1.0
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	9	1.0
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	9	1.0
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	15	1.0
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	15	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	15	1.0
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	16	1.0
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	16	1.0
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	16	1.0
(1,3415)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	15	1.0
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	6	1.0
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	6	1.0
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	6	1.0
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	6	1.0
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	6	1.0
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	6	1.0
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	6	1.0
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	6	1.0
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	6	1.0
(1,3298)	1:418:A:VAL:HB	1:417:A:GLY:HA3	11	1.0
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	10	1.0
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	10	1.0
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	10	1.0
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	18	1.0
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	18	1.0
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	18	1.0
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	7	1.0
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	15	1.0
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	6	1.0
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	9	1.0
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	11	1.0
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	15	1.0
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	13	1.0
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	16	1.0
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	7	1.0
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	12	1.0
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	3	1.0
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	5	1.0
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	16	1.0
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	5	1.0
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	6	1.0
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	14	1.0
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	8	1.0
(1,2690)	1:399:A:ASP:HB2	1:398:A:ASP:HA	12	1.0
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	3	1.0
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	3	1.0
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	3	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	3	1.0
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	3	1.0
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	3	1.0
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD1	20	1.0
(1,2672)	1:363:A:ALA:HB1	1:356:A:TYR:HD2	20	1.0
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD1	20	1.0
(1,2672)	1:363:A:ALA:HB2	1:356:A:TYR:HD2	20	1.0
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD1	20	1.0
(1,2672)	1:363:A:ALA:HB3	1:356:A:TYR:HD2	20	1.0
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	2	1.0
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	5	1.0
(1,2531)	1:399:A:ASP:HB3	1:400:A:GLY:H	10	1.0
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	8	1.0
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	9	1.0
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	11	1.0
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	13	1.0
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	2	1.0
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	3	1.0
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	2	1.0
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	4	1.0
(1,2066)	1:427:A:PRO:HD2	1:426:A:GLN:HA	16	1.0
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	9	1.0
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	12	1.0
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	16	1.0
(1,1896)	1:422:A:ASP:HA	1:423:A:SER:HB2	5	1.0
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	3	1.0
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	1	1.0
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	2	1.0
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	6	1.0
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	3	1.0
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	6	1.0
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	1	1.0
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	2	1.0
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	5	1.0
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	6	1.0
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	9	1.0
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	10	1.0
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	11	1.0
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	13	1.0
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	17	1.0
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	18	1.0
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	20	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	3	1.0
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	3	1.0
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	3	1.0
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	3	1.0
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	5	1.0
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	6	1.0
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	6	1.0
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	6	1.0
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	6	1.0
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	6	1.0
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	6	1.0
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	6	1.0
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	6	1.0
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	6	1.0
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	6	1.0
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	4	1.0
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	12	1.0
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	16	1.0
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	17	1.0
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	20	1.0
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	4	1.0
(1,1335)	1:415:A:TRP:HB2	1:415:A:TRP:H	11	1.0
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	4	1.0
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	8	1.0
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	10	1.0
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	12	1.0
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	13	1.0
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	15	1.0
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	16	1.0
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	19	1.0
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	20	1.0
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	17	1.0
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	17	1.0
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	17	1.0
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	4	1.0
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	8	1.0
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	20	1.0
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	16	1.0
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	20	1.0
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	2	1.0
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	3	1.0
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	4	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	5	1.0
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	7	1.0
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	8	1.0
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	9	1.0
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	10	1.0
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	11	1.0
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	12	1.0
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	13	1.0
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	15	1.0
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	16	1.0
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	17	1.0
(1,940)	1:443:A:ILE:HB	1:443:A:ILE:HA	19	1.0
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	17	1.0
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	17	1.0
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	6	1.0
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	6	1.0
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	7	1.0
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	7	1.0
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	1	1.0
(1,756)	1:435:A:LYS:HA	1:435:A:LYS:HG2	18	1.0
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	8	1.0
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	11	1.0
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	2	1.0
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	12	1.0
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	13	1.0
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	5	1.0
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	13	1.0
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	11	1.0
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	11	1.0
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	11	1.0
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	13	1.0
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	13	1.0
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	13	1.0
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	19	1.0
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	19	1.0
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	19	1.0
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	6	1.0
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	3	1.0
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	5	1.0
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	2	1.0
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	4	1.0
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	12	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	19	1.0
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	19	1.0
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	19	1.0
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	19	1.0
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	13	1.0
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	17	1.0
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	5	0.99
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	5	0.99
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	5	0.99
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	10	0.99
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	10	0.99
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	10	0.99
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	10	0.99
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	12	0.99
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	14	0.99
(1,4633)	1:434:A:TRP:H	1:433:A:LEU:H	9	0.99
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	4	0.99
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	14	0.99
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	17	0.99
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	19	0.99
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	12	0.99
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	8	0.99
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	8	0.99
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	8	0.99
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	8	0.99
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	9	0.99
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	11	0.99
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	18	0.99
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	13	0.99
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	20	0.99
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	4	0.99
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	14	0.99
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	17	0.99
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	19	0.99
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	5	0.99
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	8	0.99
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	9	0.99
(1,3828)	1:339:A:HIS:HD2	1:341:A:GLU:HG2	5	0.99
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	8	0.99
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	18	0.99
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	4	0.99
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	4	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	4	0.99
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	4	0.99
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	4	0.99
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	4	0.99
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	5	0.99
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	5	0.99
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	5	0.99
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	5	0.99
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	5	0.99
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	5	0.99
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	18	0.99
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	18	0.99
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	18	0.99
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	18	0.99
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	18	0.99
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	18	0.99
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	11	0.99
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	11	0.99
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	11	0.99
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	11	0.99
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	11	0.99
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	11	0.99
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	8	0.99
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	11	0.99
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	13	0.99
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	8	0.99
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	8	0.99
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	2	0.99
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	2	0.99
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	14	0.99
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	14	0.99
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	8	0.99
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	13	0.99
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	13	0.99
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	13	0.99
(1,3415)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	1	0.99
(1,3415)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	2	0.99
(1,3415)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	8	0.99
(1,3415)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	14	0.99
(1,3415)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	17	0.99
(1,3415)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	18	0.99
(1,3415)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	20	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD11	2	0.99
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD12	2	0.99
(1,3397)	1:345:A:ILE:HG21	1:453:A:LEU:HD13	2	0.99
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD11	2	0.99
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD12	2	0.99
(1,3397)	1:345:A:ILE:HG22	1:453:A:LEU:HD13	2	0.99
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD11	2	0.99
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD12	2	0.99
(1,3397)	1:345:A:ILE:HG23	1:453:A:LEU:HD13	2	0.99
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	16	0.99
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	2	0.99
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	12	0.99
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	19	0.99
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	20	0.99
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	2	0.99
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	4	0.99
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	9	0.99
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	14	0.99
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	7	0.99
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	14	0.99
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	16	0.99
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	1	0.99
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	8	0.99
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	6	0.99
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	12	0.99
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	15	0.99
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	1	0.99
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	2	0.99
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	5	0.99
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	10	0.99
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	16	0.99
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	20	0.99
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	1	0.99
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	2	0.99
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	3	0.99
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	4	0.99
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	7	0.99
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	8	0.99
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	9	0.99
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	12	0.99
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	15	0.99
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	17	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	18	0.99
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	20	0.99
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	8	0.99
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	3	0.99
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	6	0.99
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	10	0.99
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	18	0.99
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	8	0.99
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	14	0.99
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	16	0.99
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	1	0.99
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	4	0.99
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	5	0.99
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	11	0.99
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	12	0.99
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	3	0.99
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	5	0.99
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	1	0.99
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	1	0.99
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	15	0.99
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	19	0.99
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	9	0.99
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	2	0.99
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	2	0.99
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	2	0.99
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	12	0.99
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	12	0.99
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	12	0.99
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	17	0.99
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	13	0.99
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	13	0.99
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	13	0.99
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	8	0.99
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	8	0.99
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	8	0.99
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	11	0.99
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	11	0.99
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	11	0.99
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	1	0.99
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	6	0.99
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	7	0.99
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	8	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	10	0.99
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	11	0.99
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	13	0.99
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	14	0.99
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	15	0.99
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	17	0.99
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	18	0.99
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	19	0.99
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	20	0.99
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	10	0.99
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	5	0.99
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	5	0.99
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	5	0.99
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	4	0.99
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	7	0.99
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	12	0.99
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	17	0.99
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	20	0.99
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	16	0.99
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	19	0.99
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	3	0.99
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	4	0.99
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	7	0.99
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	8	0.99
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	12	0.99
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	15	0.99
(1,1708)	1:354:A:MET:HB3	1:354:A:MET:HG2	19	0.99
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	1	0.99
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	1	0.99
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	8	0.99
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	8	0.99
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	15	0.99
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	15	0.99
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	18	0.99
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	18	0.99
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	19	0.99
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	19	0.99
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	20	0.99
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	20	0.99
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	7	0.99
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	7	0.99
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	7	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	1	0.99
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	4	0.99
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	7	0.99
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	8	0.99
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	13	0.99
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	14	0.99
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	16	0.99
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	18	0.99
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	15	0.99
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	15	0.99
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	15	0.99
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	15	0.99
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	15	0.99
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	15	0.99
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	15	0.99
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	15	0.99
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	15	0.99
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	6	0.99
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	5	0.99
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	9	0.99
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	10	0.99
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	14	0.99
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	18	0.99
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	1	0.99
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	2	0.99
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	3	0.99
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	5	0.99
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	7	0.99
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	9	0.99
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	11	0.99
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	14	0.99
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	17	0.99
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	18	0.99
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	10	0.99
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	10	0.99
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	10	0.99
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	11	0.99
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	11	0.99
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	11	0.99
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	12	0.99
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	12	0.99
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	12	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	20	0.99
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	20	0.99
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	20	0.99
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	3	0.99
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	9	0.99
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	14	0.99
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	18	0.99
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	4	0.99
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	4	0.99
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	13	0.99
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	13	0.99
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	5	0.99
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	7	0.99
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	8	0.99
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	10	0.99
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	17	0.99
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	18	0.99
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	19	0.99
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	13	0.99
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	3	0.99
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	3	0.99
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	6	0.99
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	6	0.99
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	13	0.99
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	13	0.99
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	14	0.99
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	14	0.99
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	16	0.99
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	16	0.99
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	9	0.99
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	16	0.99
(1,843)	1:389:A:GLU:HG2	1:389:A:GLU:HA	6	0.99
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	2	0.99
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	5	0.99
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	9	0.99
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	16	0.99
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	19	0.99
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	5	0.99
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	11	0.99
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	15	0.99
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	17	0.99
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	11	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:442:A:CYS:HB3	1:443:A:ILE:H	11	0.99
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	5	0.99
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	6	0.99
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	14	0.99
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	19	0.99
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	10	0.99
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	16	0.99
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	10	0.99
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	10	0.99
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	10	0.99
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	3	0.99
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	3	0.99
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	3	0.99
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	4	0.99
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	4	0.99
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	4	0.99
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	16	0.99
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	20	0.99
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	5	0.99
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	1	0.99
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	3	0.99
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	7	0.99
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	17	0.99
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	3	0.99
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	3	0.99
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	3	0.99
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	4	0.99
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	4	0.99
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	4	0.99
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	10	0.99
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	14	0.99
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	16	0.99
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	8	0.99
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	18	0.99
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	9	0.99
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	8	0.98
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	9	0.98
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	12	0.98
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	16	0.98
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	17	0.98
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	19	0.98
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	20	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	6	0.98
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	12	0.98
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	14	0.98
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	13	0.98
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	4	0.98
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	8	0.98
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	4	0.98
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	4	0.98
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	4	0.98
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	11	0.98
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	11	0.98
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	11	0.98
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	19	0.98
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	19	0.98
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	19	0.98
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	1	0.98
(1,4226)	1:416:A:THR:H	1:417:A:GLY:H	12	0.98
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	10	0.98
(1,4141)	1:404:A:GLU:H	1:397:A:ASN:HD21	20	0.98
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	1	0.98
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	16	0.98
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	8	0.98
(1,3952)	1:399:A:ASP:H	1:400:A:GLY:HA3	12	0.98
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	18	0.98
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	7	0.98
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	13	0.98
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	12	0.98
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	12	0.98
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	12	0.98
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	12	0.98
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	12	0.98
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	12	0.98
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	20	0.98
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	20	0.98
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	20	0.98
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	20	0.98
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	20	0.98
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	20	0.98
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	15	0.98
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	15	0.98
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	15	0.98
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	15	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	15	0.98
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	15	0.98
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	4	0.98
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	4	0.98
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	4	0.98
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	4	0.98
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	4	0.98
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	4	0.98
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	5	0.98
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	16	0.98
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	16	0.98
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	16	0.98
(1,3415)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	4	0.98
(1,3415)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	9	0.98
(1,3415)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	11	0.98
(1,3415)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	12	0.98
(1,3415)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	19	0.98
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	5	0.98
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	8	0.98
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	13	0.98
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	17	0.98
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	5	0.98
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	5	0.98
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	5	0.98
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	6	0.98
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	7	0.98
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	11	0.98
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	1	0.98
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	16	0.98
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	16	0.98
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	6	0.98
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	2	0.98
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	14	0.98
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	19	0.98
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	6	0.98
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	11	0.98
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	1	0.98
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	17	0.98
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	19	0.98
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	10	0.98
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	13	0.98
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	14	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	3	0.98
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	4	0.98
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	6	0.98
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	7	0.98
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	8	0.98
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	9	0.98
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	11	0.98
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	12	0.98
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	13	0.98
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	14	0.98
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	15	0.98
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	17	0.98
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	18	0.98
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	19	0.98
(1,2844)	1:354:A:MET:HA	1:354:A:MET:H	20	0.98
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	11	0.98
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	13	0.98
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	19	0.98
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	1	0.98
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	6	0.98
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	6	0.98
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	9	0.98
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	12	0.98
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	18	0.98
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	1	0.98
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	5	0.98
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	7	0.98
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	10	0.98
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	11	0.98
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	13	0.98
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	17	0.98
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	18	0.98
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	19	0.98
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	20	0.98
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	6	0.98
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	8	0.98
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	9	0.98
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	13	0.98
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	15	0.98
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	16	0.98
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	18	0.98
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	19	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	20	0.98
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	19	0.98
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	11	0.98
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	16	0.98
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	12	0.98
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	15	0.98
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	18	0.98
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	19	0.98
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	12	0.98
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	13	0.98
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	17	0.98
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	2	0.98
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	13	0.98
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	13	0.98
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	13	0.98
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	20	0.98
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	20	0.98
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	20	0.98
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	4	0.98
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	5	0.98
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	10	0.98
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	13	0.98
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	19	0.98
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	17	0.98
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	17	0.98
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	17	0.98
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	2	0.98
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	3	0.98
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	4	0.98
(1,1977)	1:361:A:LYS:HA	1:361:A:LYS:H	5	0.98
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	5	0.98
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	9	0.98
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	4	0.98
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	7	0.98
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	10	0.98
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	11	0.98
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	15	0.98
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	16	0.98
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	1	0.98
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	2	0.98
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	5	0.98
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	6	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	7	0.98
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	9	0.98
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	11	0.98
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	15	0.98
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	19	0.98
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	9	0.98
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	16	0.98
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	13	0.98
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	13	0.98
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	17	0.98
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	17	0.98
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	5	0.98
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	5	0.98
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	5	0.98
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	14	0.98
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	14	0.98
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	14	0.98
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	16	0.98
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	16	0.98
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	16	0.98
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	2	0.98
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	3	0.98
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	9	0.98
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	10	0.98
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	11	0.98
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	12	0.98
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	20	0.98
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	3	0.98
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	2	0.98
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	3	0.98
(1,1307)	1:434:A:TRP:HA	1:434:A:TRP:H	6	0.98
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	13	0.98
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	13	0.98
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	13	0.98
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	2	0.98
(1,1188)	1:461:A:THR:HA	1:461:A:THR:H	10	0.98
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	13	0.98
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	9	0.98
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	9	0.98
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	12	0.98
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	12	0.98
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	18	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	18	0.98
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	1	0.98
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	2	0.98
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	3	0.98
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	3	0.98
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	17	0.98
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	16	0.98
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	1	0.98
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	10	0.98
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	15	0.98
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	18	0.98
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	19	0.98
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	20	0.98
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	1	0.98
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	1	0.98
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	7	0.98
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	7	0.98
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	20	0.98
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	20	0.98
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	8	0.98
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	8	0.98
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	1	0.98
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	17	0.98
(1,904)	1:352:A:GLN:HB3	1:352:A:GLN:HG3	20	0.98
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	1	0.98
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	7	0.98
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	8	0.98
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	10	0.98
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	11	0.98
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	12	0.98
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	13	0.98
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	15	0.98
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	17	0.98
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	18	0.98
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	20	0.98
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	10	0.98
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	18	0.98
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	20	0.98
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	17	0.98
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	19	0.98
(1,668)	1:450:A:MET:HB2	1:450:A:MET:H	15	0.98
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	4	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	8	0.98
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	8	0.98
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	8	0.98
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	15	0.98
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	15	0.98
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	15	0.98
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	18	0.98
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	18	0.98
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	18	0.98
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	17	0.98
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	13	0.98
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	15	0.98
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	6	0.98
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	8	0.98
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	13	0.98
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	14	0.98
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	5	0.98
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	18	0.98
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	15	0.98
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	15	0.98
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	15	0.98
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	18	0.98
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	18	0.98
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	18	0.98
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	9	0.98
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	3	0.98
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	1	0.98
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	4	0.98
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	8	0.98
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	10	0.98
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	11	0.98
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	13	0.98
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	14	0.98
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	15	0.98
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	16	0.98
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	17	0.98
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	18	0.98
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	19	0.98
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	20	0.98
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	4	0.97
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	4	0.97
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	4	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	19	0.97
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	19	0.97
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	19	0.97
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	1	0.97
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	4	0.97
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	5	0.97
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	11	0.97
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	13	0.97
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	14	0.97
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	15	0.97
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	18	0.97
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	2	0.97
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	15	0.97
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	4	0.97
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	7	0.97
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	9	0.97
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	8	0.97
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	14	0.97
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	17	0.97
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	18	0.97
(1,4280)	1:350:A:GLU:H	1:466:A:PHE:HA	15	0.97
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	17	0.97
(1,4033)	1:425:A:TRP:HE1	1:423:A:SER:HB2	7	0.97
(1,4033)	1:425:A:TRP:HE1	1:423:A:SER:HB2	12	0.97
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	2	0.97
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	6	0.97
(1,3855)	1:385:A:TRP:HZ3	1:385:A:TRP:HA	7	0.97
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	6	0.97
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	2	0.97
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	2	0.97
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	2	0.97
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	2	0.97
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	2	0.97
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	2	0.97
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG21	11	0.97
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG22	11	0.97
(1,3739)	1:357:A:TYR:HD1	1:362:A:VAL:HG23	11	0.97
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG21	11	0.97
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG22	11	0.97
(1,3739)	1:357:A:TYR:HD2	1:362:A:VAL:HG23	11	0.97
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	14	0.97
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	13	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	13	0.97
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	13	0.97
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	13	0.97
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	13	0.97
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	13	0.97
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	12	0.97
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	8	0.97
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	8	0.97
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	10	0.97
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	10	0.97
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	10	0.97
(1,3415)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	6	0.97
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	1	0.97
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	3	0.97
(1,3231)	1:423:A:SER:HA	1:424:A:ASP:H	16	0.97
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	8	0.97
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	8	0.97
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	8	0.97
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	12	0.97
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	12	0.97
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	12	0.97
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	17	0.97
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	17	0.97
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	17	0.97
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	3	0.97
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	5	0.97
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	8	0.97
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	13	0.97
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	14	0.97
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	15	0.97
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	18	0.97
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	12	0.97
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	17	0.97
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	18	0.97
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	20	0.97
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	14	0.97
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	4	0.97
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	10	0.97
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	12	0.97
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	1	0.97
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	4	0.97
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	8	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	10	0.97
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	12	0.97
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	17	0.97
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	19	0.97
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	2	0.97
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	4	0.97
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	7	0.97
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	11	0.97
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	12	0.97
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	15	0.97
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	18	0.97
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	4	0.97
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	8	0.97
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	9	0.97
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	18	0.97
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	20	0.97
(1,2830)	1:448:A:SER:HB2	1:449:A:VAL:H	6	0.97
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	9	0.97
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	1	0.97
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	2	0.97
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	3	0.97
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	6	0.97
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	8	0.97
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	9	0.97
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	11	0.97
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	12	0.97
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	14	0.97
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	1	0.97
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	2	0.97
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	3	0.97
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	4	0.97
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	5	0.97
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	7	0.97
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	8	0.97
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	10	0.97
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	11	0.97
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	13	0.97
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	14	0.97
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	15	0.97
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	16	0.97
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	17	0.97
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	19	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2683)	1:379:A:ALA:HA	1:379:A:ALA:H	20	0.97
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	4	0.97
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	9	0.97
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	15	0.97
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	3	0.97
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	7	0.97
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	10	0.97
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	14	0.97
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	12	0.97
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	13	0.97
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	12	0.97
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	16	0.97
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	11	0.97
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	20	0.97
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	4	0.97
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	8	0.97
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	11	0.97
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	16	0.97
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	4	0.97
(1,2351)	1:417:A:GLY:HA2	1:417:A:GLY:H	10	0.97
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	4	0.97
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	4	0.97
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	4	0.97
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	13	0.97
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	13	0.97
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	13	0.97
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	18	0.97
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	18	0.97
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	18	0.97
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	11	0.97
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	16	0.97
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	18	0.97
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	18	0.97
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	18	0.97
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	1	0.97
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	1	0.97
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	1	0.97
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	2	0.97
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	15	0.97
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	5	0.97
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	13	0.97
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	19	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	3	0.97
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	8	0.97
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	10	0.97
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	12	0.97
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	13	0.97
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	14	0.97
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	17	0.97
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	18	0.97
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	1	0.97
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	5	0.97
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	10	0.97
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	14	0.97
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	15	0.97
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	17	0.97
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	4	0.97
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	7	0.97
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	8	0.97
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	9	0.97
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	10	0.97
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	11	0.97
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	9	0.97
(1,1740)	1:349:A:LEU:HB2	1:350:A:GLU:H	15	0.97
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	5	0.97
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	5	0.97
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	7	0.97
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	7	0.97
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	10	0.97
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	10	0.97
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	11	0.97
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	11	0.97
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	14	0.97
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	14	0.97
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	15	0.97
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	17	0.97
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	17	0.97
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	17	0.97
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	17	0.97
(1,1529)	1:443:A:ILE:HG13	1:443:A:ILE:HA	19	0.97
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	12	0.97
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	12	0.97
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	12	0.97
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	12	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	12	0.97
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	12	0.97
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	12	0.97
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	12	0.97
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	12	0.97
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	16	0.97
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	6	0.97
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	9	0.97
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	9	0.97
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	9	0.97
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	14	0.97
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	14	0.97
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	14	0.97
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	5	0.97
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	13	0.97
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	5	0.97
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	5	0.97
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	10	0.97
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	10	0.97
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	20	0.97
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	20	0.97
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	4	0.97
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	9	0.97
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	12	0.97
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	14	0.97
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	19	0.97
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	12	0.97
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	11	0.97
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	3	0.97
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	4	0.97
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	5	0.97
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	8	0.97
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	9	0.97
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	11	0.97
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	12	0.97
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	13	0.97
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	14	0.97
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	16	0.97
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	17	0.97
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	11	0.97
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	11	0.97
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	10	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	10	0.97
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	2	0.97
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	3	0.97
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	7	0.97
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	8	0.97
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	13	0.97
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	14	0.97
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	18	0.97
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	19	0.97
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	16	0.97
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	3	0.97
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	4	0.97
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	6	0.97
(1,824)	1:380:A:GLY:HA2	1:380:A:GLY:H	14	0.97
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	1	0.97
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	14	0.97
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	3	0.97
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	14	0.97
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	19	0.97
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	3	0.97
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	4	0.97
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	5	0.97
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	12	0.97
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	19	0.97
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	7	0.97
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	11	0.97
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	20	0.97
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	3	0.97
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	11	0.97
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	13	0.97
(1,496)	1:349:A:LEU:HD11	1:349:A:LEU:HA	8	0.97
(1,496)	1:349:A:LEU:HD12	1:349:A:LEU:HA	8	0.97
(1,496)	1:349:A:LEU:HD13	1:349:A:LEU:HA	8	0.97
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	7	0.97
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	17	0.97
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	2	0.97
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	3	0.97
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	4	0.97
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	3	0.97
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	10	0.97
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	20	0.97
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD11	8	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD12	8	0.97
(1,188)	1:349:A:LEU:HA	1:349:A:LEU:HD13	8	0.97
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	6	0.97
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	8	0.97
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	18	0.97
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	19	0.97
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	2	0.97
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	5	0.97
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	12	0.97
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	6	0.96
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	6	0.96
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	6	0.96
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	3	0.96
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	7	0.96
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	10	0.96
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	11	0.96
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	17	0.96
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	20	0.96
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	4	0.96
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	3	0.96
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	10	0.96
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	12	0.96
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	12	0.96
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	7	0.96
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	7	0.96
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	7	0.96
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	12	0.96
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	19	0.96
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	3	0.96
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	3	0.96
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	3	0.96
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	3	0.96
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	3	0.96
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	3	0.96
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	6	0.96
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	6	0.96
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	6	0.96
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	15	0.96
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	15	0.96
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	15	0.96
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	15	0.96
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	15	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	15	0.96
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	18	0.96
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	18	0.96
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	18	0.96
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	18	0.96
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	18	0.96
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	18	0.96
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	19	0.96
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	19	0.96
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	19	0.96
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	19	0.96
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	19	0.96
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	19	0.96
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	1	0.96
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	1	0.96
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	1	0.96
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	1	0.96
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	1	0.96
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	1	0.96
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	1	0.96
(1,3649)	1:415:A:TRP:HZ3	1:414:A:ASP:HB3	14	0.96
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	7	0.96
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	7	0.96
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	18	0.96
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	18	0.96
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	1	0.96
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	2	0.96
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	3	0.96
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	4	0.96
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	5	0.96
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	6	0.96
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	7	0.96
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	8	0.96
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	9	0.96
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	10	0.96
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	11	0.96
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	12	0.96
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	13	0.96
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	15	0.96
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	16	0.96
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	17	0.96
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	20	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	19	0.96
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	19	0.96
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	19	0.96
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	1	0.96
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	4	0.96
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	16	0.96
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	3	0.96
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	5	0.96
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	19	0.96
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	1	0.96
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	4	0.96
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	12	0.96
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	3	0.96
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	5	0.96
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	18	0.96
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	2	0.96
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	3	0.96
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	5	0.96
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	6	0.96
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	7	0.96
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	9	0.96
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	11	0.96
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	13	0.96
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	14	0.96
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	15	0.96
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	16	0.96
(1,2974)	1:412:A:PRO:HA	1:412:A:PRO:HB3	20	0.96
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	6	0.96
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	8	0.96
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	9	0.96
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	10	0.96
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	14	0.96
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	20	0.96
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	1	0.96
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	2	0.96
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	7	0.96
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	11	0.96
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	17	0.96
(1,2851)	1:421:A:HIS:HB2	1:421:A:HIS:HA	19	0.96
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	13	0.96
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	18	0.96
(1,2752)	1:421:A:HIS:HB3	1:421:A:HIS:HD2	10	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	4	0.96
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	5	0.96
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	7	0.96
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	10	0.96
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	13	0.96
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	14	0.96
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	15	0.96
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	16	0.96
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	17	0.96
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	18	0.96
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	19	0.96
(1,2738)	1:403:A:TYR:HB3	1:403:A:TYR:HB2	20	0.96
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	10	0.96
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	20	0.96
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	1	0.96
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	2	0.96
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	3	0.96
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	4	0.96
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	7	0.96
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	9	0.96
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	11	0.96
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	13	0.96
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	14	0.96
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	15	0.96
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	16	0.96
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	17	0.96
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	18	0.96
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	19	0.96
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	20	0.96
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	6	0.96
(1,2641)	1:377:A:THR:HA	1:378:A:PRO:HD3	17	0.96
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	20	0.96
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	16	0.96
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	4	0.96
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	13	0.96
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	2	0.96
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	6	0.96
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	8	0.96
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	9	0.96
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	10	0.96
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	13	0.96
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	14	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	17	0.96
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	6	0.96
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	9	0.96
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	10	0.96
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	18	0.96
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	6	0.96
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	6	0.96
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	6	0.96
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	8	0.96
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	8	0.96
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	8	0.96
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	10	0.96
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	10	0.96
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	10	0.96
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	11	0.96
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	11	0.96
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	11	0.96
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	16	0.96
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	16	0.96
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	16	0.96
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	7	0.96
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	8	0.96
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	11	0.96
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	12	0.96
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	7	0.96
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	8	0.96
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	8	0.96
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	8	0.96
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	11	0.96
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	11	0.96
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	11	0.96
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	20	0.96
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	20	0.96
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	20	0.96
(1,1896)	1:422:A:ASP:HA	1:423:A:SER:HB2	3	0.96
(1,1896)	1:422:A:ASP:HA	1:423:A:SER:HB2	13	0.96
(1,1851)	1:358:A:LYS:HB2	1:358:A:LYS:HE2	10	0.96
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	3	0.96
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	9	0.96
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	18	0.96
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	4	0.96
(1,1819)	1:354:A:MET:HA	1:354:A:MET:HB2	20	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	5	0.96
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	2	0.96
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	4	0.96
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	6	0.96
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	11	0.96
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	13	0.96
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	18	0.96
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	1	0.96
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	2	0.96
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	3	0.96
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	5	0.96
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	6	0.96
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	12	0.96
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	13	0.96
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	14	0.96
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	15	0.96
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	16	0.96
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	17	0.96
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	18	0.96
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	19	0.96
(1,1808)	1:446:A:PRO:HB2	1:446:A:PRO:HG2	20	0.96
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	4	0.96
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	4	0.96
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	9	0.96
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	9	0.96
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	16	0.96
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	16	0.96
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	4	0.96
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	9	0.96
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	11	0.96
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	16	0.96
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	19	0.96
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	3	0.96
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	3	0.96
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	3	0.96
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	3	0.96
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	3	0.96
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	3	0.96
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	3	0.96
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	3	0.96
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	3	0.96
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	10	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	10	0.96
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	10	0.96
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	10	0.96
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	10	0.96
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	10	0.96
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	10	0.96
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	10	0.96
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	10	0.96
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	7	0.96
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	7	0.96
(1,1442)	1:453:A:LEU:HG	1:454:A:PHE:H	13	0.96
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	1	0.96
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	9	0.96
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	3	0.96
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	3	0.96
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	3	0.96
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	16	0.96
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	16	0.96
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	16	0.96
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	10	0.96
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	16	0.96
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	6	0.96
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	6	0.96
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	6	0.96
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	20	0.96
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	8	0.96
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	9	0.96
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	11	0.96
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	18	0.96
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	3	0.96
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	16	0.96
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	2	0.96
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	6	0.96
(1,953)	1:385:A:TRP:HB3	1:385:A:TRP:HA	7	0.96
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	12	0.96
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	12	0.96
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	19	0.96
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	19	0.96
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	1	0.96
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	1	0.96
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	4	0.96
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	11	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	20	0.96
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	13	0.96
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	2	0.96
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	9	0.96
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	14	0.96
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	16	0.96
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	11	0.96
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	17	0.96
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	18	0.96
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	20	0.96
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	2	0.96
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	12	0.96
(1,719)	1:352:A:GLN:HG2	1:352:A:GLN:H	17	0.96
(1,629)	1:459:A:LYS:HG2	1:459:A:LYS:HA	1	0.96
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	20	0.96
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	6	0.96
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	12	0.96
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	15	0.96
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	4	0.96
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	6	0.96
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	8	0.96
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	11	0.96
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	1	0.96
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	10	0.96
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	11	0.96
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	18	0.96
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	19	0.96
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	20	0.96
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	8	0.96
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	13	0.96
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	4	0.96
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	11	0.96
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	12	0.96
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	5	0.96
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	15	0.96
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	3	0.96
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	6	0.96
(1,18)	1:456:A:MET:HB2	1:456:A:MET:HG3	7	0.96
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	8	0.96
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	9	0.96
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	2	0.95
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	4	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	7	0.95
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	11	0.95
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	17	0.95
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	18	0.95
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	1	0.95
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	2	0.95
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	8	0.95
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	15	0.95
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	18	0.95
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	19	0.95
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	11	0.95
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	17	0.95
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	18	0.95
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	18	0.95
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	20	0.95
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	5	0.95
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	5	0.95
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	5	0.95
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	14	0.95
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	14	0.95
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	14	0.95
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	6	0.95
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	18	0.95
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	20	0.95
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	1	0.95
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	1	0.95
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	1	0.95
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	1	0.95
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	1	0.95
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	1	0.95
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	8	0.95
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	8	0.95
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	8	0.95
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	8	0.95
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	8	0.95
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	8	0.95
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	15	0.95
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG21	5	0.95
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG22	5	0.95
(1,3680)	1:357:A:TYR:HE1	1:362:A:VAL:HG23	5	0.95
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG21	5	0.95
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG22	5	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3680)	1:357:A:TYR:HE2	1:362:A:VAL:HG23	5	0.95
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	17	0.95
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	17	0.95
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	4	0.95
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	4	0.95
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	9	0.95
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	9	0.95
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	11	0.95
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	11	0.95
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	14	0.95
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	18	0.95
(1,3530)	1:410:A:TRP:HZ3	1:410:A:TRP:HE3	19	0.95
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	17	0.95
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	17	0.95
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	17	0.95
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	17	0.95
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	3	0.95
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	8	0.95
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	10	0.95
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	11	0.95
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	1	0.95
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	1	0.95
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	1	0.95
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	7	0.95
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	7	0.95
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	7	0.95
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	8	0.95
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	18	0.95
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	1	0.95
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	13	0.95
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	19	0.95
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	3	0.95
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	4	0.95
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	20	0.95
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	5	0.95
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	13	0.95
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	16	0.95
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	9	0.95
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	13	0.95
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	5	0.95
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	6	0.95
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	8	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	10	0.95
(1,2692)	1:393:A:LEU:HB3	1:393:A:LEU:HB2	12	0.95
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	2	0.95
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	3	0.95
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	8	0.95
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	20	0.95
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	20	0.95
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	7	0.95
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	16	0.95
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	16	0.95
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	18	0.95
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	5	0.95
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	10	0.95
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	19	0.95
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	10	0.95
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	10	0.95
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	10	0.95
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	5	0.95
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	5	0.95
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	5	0.95
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	7	0.95
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	7	0.95
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	7	0.95
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	15	0.95
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	15	0.95
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	15	0.95
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	17	0.95
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	17	0.95
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	17	0.95
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	19	0.95
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	19	0.95
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	19	0.95
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	20	0.95
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	1	0.95
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	2	0.95
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	6	0.95
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	17	0.95
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	20	0.95
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	6	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	1	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	2	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	3	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	4	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	5	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	6	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	7	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	8	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	9	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	10	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	11	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	12	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	13	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	14	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	15	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	16	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	17	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	18	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	19	0.95
(1,2086)	1:440:A:HIS:HB3	1:440:A:HIS:HB2	20	0.95
(1,1836)	1:409:A:TYR:HB2	1:409:A:TYR:H	8	0.95
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	3	0.95
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	7	0.95
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	8	0.95
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	12	0.95
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	20	0.95
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	1	0.95
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	14	0.95
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	18	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	1	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	2	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	3	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	4	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	5	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	6	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	7	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	8	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	9	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	10	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	11	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	12	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	13	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	14	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	15	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	16	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	17	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	18	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	19	0.95
(1,1716)	1:440:A:HIS:HB2	1:440:A:HIS:HB3	20	0.95
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	2	0.95
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	2	0.95
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	6	0.95
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	6	0.95
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	14	0.95
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	20	0.95
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	1	0.95
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	2	0.95
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	3	0.95
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	6	0.95
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	7	0.95
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	8	0.95
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	10	0.95
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	12	0.95
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	13	0.95
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	17	0.95
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	20	0.95
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	7	0.95
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	7	0.95
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	7	0.95
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	7	0.95
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	7	0.95
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	7	0.95
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	7	0.95
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	7	0.95
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	7	0.95
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	8	0.95
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	8	0.95
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	8	0.95
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	8	0.95
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	8	0.95
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	8	0.95
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	8	0.95
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	8	0.95
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	8	0.95
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	20	0.95
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	20	0.95
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	20	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	20	0.95
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	20	0.95
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	20	0.95
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	20	0.95
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	20	0.95
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	20	0.95
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	12	0.95
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	6	0.95
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	3	0.95
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	6	0.95
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	8	0.95
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	7	0.95
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	7	0.95
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	7	0.95
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	3	0.95
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	3	0.95
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	3	0.95
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	15	0.95
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	15	0.95
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	15	0.95
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	5	0.95
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	12	0.95
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	13	0.95
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	15	0.95
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	20	0.95
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	16	0.95
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	2	0.95
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	2	0.95
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	16	0.95
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	16	0.95
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	19	0.95
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	19	0.95
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	14	0.95
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	9	0.95
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	2	0.95
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	2	0.95
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	9	0.95
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	9	0.95
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	15	0.95
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	15	0.95
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	5	0.95
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	5	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	7	0.95
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	8	0.95
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	1	0.95
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	6	0.95
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	8	0.95
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	10	0.95
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	12	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	1	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	2	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	3	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	4	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	5	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	6	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	7	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	8	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	9	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	10	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	11	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	12	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	13	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	14	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	15	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	16	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	17	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	18	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	19	0.95
(1,738)	1:380:A:GLY:HA3	1:380:A:GLY:HA2	20	0.95
(1,719)	1:352:A:GLN:HG2	1:352:A:GLN:H	10	0.95
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	8	0.95
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	14	0.95
(1,515)	1:368:A:ILE:HG21	1:445:A:THR:HA	4	0.95
(1,515)	1:368:A:ILE:HG22	1:445:A:THR:HA	4	0.95
(1,515)	1:368:A:ILE:HG23	1:445:A:THR:HA	4	0.95
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	5	0.95
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	14	0.95
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	19	0.95
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	1	0.95
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	2	0.95
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	10	0.95
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	12	0.95
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	2	0.95
(1,245)	1:352:A:GLN:HA	1:352:A:GLN:HG2	20	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	15	0.95
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	20	0.95
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	16	0.95
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	2	0.95
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	3	0.95
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	5	0.95
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	6	0.95
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	7	0.95
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	18	0.95
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	1	0.95
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	2	0.95
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	4	0.95
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	7	0.95
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	10	0.95
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	11	0.95
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	12	0.95
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	14	0.95
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	15	0.95
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	16	0.95
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	17	0.95
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	18	0.95
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	19	0.95
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	20	0.95
(1,4878)	1:454:A:PHE:H	1:453:A:LEU:HB3	6	0.94
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	16	0.94
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	12	0.94
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	10	0.94
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	18	0.94
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	19	0.94
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	20	0.94
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	7	0.94
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	13	0.94
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	6	0.94
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	6	0.94
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	6	0.94
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	16	0.94
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	16	0.94
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	16	0.94
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	6	0.94
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	15	0.94
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	15	0.94
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	15	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	3	0.94
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	3	0.94
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	3	0.94
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	3	0.94
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	3	0.94
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	3	0.94
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	10	0.94
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	10	0.94
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	10	0.94
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	10	0.94
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	10	0.94
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	10	0.94
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	11	0.94
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	11	0.94
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	11	0.94
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	11	0.94
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	11	0.94
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	11	0.94
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	9	0.94
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	7	0.94
(1,3649)	1:415:A:TRP:HZ3	1:414:A:ASP:HB3	6	0.94
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	8	0.94
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	9	0.94
(1,3415)	1:408:A:ASN:HB2	1:408:A:ASN:HD21	7	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	1	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	2	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	3	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	4	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	5	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	6	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	7	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	8	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	9	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	10	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	11	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	12	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	13	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	14	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	15	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	16	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	17	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	18	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	19	0.94
(1,3402)	1:415:A:TRP:HB3	1:415:A:TRP:HB2	20	0.94
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	2	0.94
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	3	0.94
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	14	0.94
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	6	0.94
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	6	0.94
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	6	0.94
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	11	0.94
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	12	0.94
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	17	0.94
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	1	0.94
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	2	0.94
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	4	0.94
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	5	0.94
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	6	0.94
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	7	0.94
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	9	0.94
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	12	0.94
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	13	0.94
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	14	0.94
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	15	0.94
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	16	0.94
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	17	0.94
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	18	0.94
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	19	0.94
(1,3164)	1:446:A:PRO:HB2	1:446:A:PRO:HB3	20	0.94
(1,3080)	1:339:A:HIS:HB2	1:340:A:MET:H	16	0.94
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	17	0.94
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	7	0.94
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	8	0.94
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	8	0.94
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	9	0.94
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	17	0.94
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	1	0.94
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	15	0.94
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	2	0.94
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	16	0.94
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	19	0.94
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	2	0.94
(1,2869)	1:421:A:HIS:HB3	1:421:A:HIS:HA	3	0.94
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	10	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	9	0.94
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	6	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	1	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	2	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	3	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	4	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	5	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	6	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	7	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	8	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	9	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	10	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	11	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	12	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	13	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	14	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	15	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	16	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	17	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	18	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	19	0.94
(1,2734)	1:441:A:GLY:HA2	1:441:A:GLY:HA3	20	0.94
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	2	0.94
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	3	0.94
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	9	0.94
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	18	0.94
(1,2665)	1:356:A:TYR:HB2	1:356:A:TYR:HA	12	0.94
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	9	0.94
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	10	0.94
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	16	0.94
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	17	0.94
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	18	0.94
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	19	0.94
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	5	0.94
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	9	0.94
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	17	0.94
(1,2531)	1:399:A:ASP:HB3	1:400:A:GLY:H	20	0.94
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	10	0.94
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	11	0.94
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	14	0.94
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	12	0.94
(1,2434)	1:399:A:ASP:HB2	1:399:A:ASP:H	7	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	15	0.94
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	12	0.94
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	1	0.94
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	1	0.94
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	1	0.94
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	9	0.94
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	9	0.94
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	9	0.94
(1,2243)	1:363:A:ALA:HB1	1:364:A:LEU:HA	14	0.94
(1,2243)	1:363:A:ALA:HB2	1:364:A:LEU:HA	14	0.94
(1,2243)	1:363:A:ALA:HB3	1:364:A:LEU:HA	14	0.94
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	1	0.94
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	1	0.94
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	1	0.94
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	2	0.94
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	2	0.94
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	2	0.94
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	3	0.94
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	3	0.94
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	3	0.94
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	4	0.94
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	4	0.94
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	4	0.94
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	6	0.94
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	6	0.94
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	6	0.94
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	8	0.94
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	8	0.94
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	8	0.94
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	9	0.94
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	9	0.94
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	9	0.94
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	12	0.94
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	12	0.94
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	12	0.94
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	14	0.94
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	14	0.94
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	14	0.94
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	15	0.94
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	15	0.94
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	15	0.94
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	16	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	16	0.94
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	16	0.94
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	20	0.94
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	20	0.94
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	20	0.94
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	6	0.94
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	1	0.94
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	2	0.94
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	4	0.94
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	15	0.94
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	9	0.94
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	14	0.94
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	18	0.94
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	1	0.94
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	1	0.94
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	1	0.94
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	9	0.94
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	9	0.94
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	9	0.94
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	10	0.94
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	10	0.94
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	10	0.94
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	17	0.94
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	17	0.94
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	17	0.94
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	2	0.94
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	2	0.94
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	2	0.94
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	6	0.94
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	1	0.94
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	14	0.94
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	19	0.94
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	20	0.94
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	5	0.94
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	6	0.94
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	8	0.94
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	9	0.94
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	19	0.94
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	3	0.94
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	3	0.94
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD1	12	0.94
(1,1669)	1:356:A:TYR:HB2	1:356:A:TYR:HD2	12	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	3	0.94
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	4	0.94
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	8	0.94
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	18	0.94
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	5	0.94
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	14	0.94
(1,1557)	1:412:A:PRO:HD3	1:412:A:PRO:HG3	15	0.94
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	2	0.94
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	2	0.94
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	2	0.94
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	2	0.94
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	2	0.94
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	2	0.94
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	2	0.94
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	2	0.94
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	2	0.94
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	11	0.94
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	11	0.94
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	11	0.94
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	11	0.94
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	11	0.94
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	11	0.94
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	11	0.94
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	11	0.94
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	11	0.94
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	8	0.94
(1,1473)	1:451:A:LYS:HB2	1:451:A:LYS:HD3	8	0.94
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	15	0.94
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	2	0.94
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	12	0.94
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	8	0.94
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	8	0.94
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	8	0.94
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	9	0.94
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	9	0.94
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	9	0.94
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	10	0.94
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	14	0.94
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	16	0.94
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	17	0.94
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	18	0.94
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	19	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	14	0.94
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	3	0.94
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	3	0.94
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	14	0.94
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	14	0.94
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	12	0.94
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	12	0.94
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	12	0.94
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	5	0.94
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD1	5	0.94
(1,933)	1:344:A:TYR:HB2	1:344:A:TYR:HD2	5	0.94
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	4	0.94
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	11	0.94
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	17	0.94
(1,797)	1:364:A:LEU:HB3	1:356:A:TYR:H	16	0.94
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	10	0.94
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	6	0.94
(1,703)	1:372:A:LYS:HG2	1:372:A:LYS:HB3	11	0.94
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	1	0.94
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	6	0.94
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	15	0.94
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	16	0.94
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	18	0.94
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	15	0.94
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	15	0.94
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	15	0.94
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	13	0.94
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	18	0.94
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	14	0.94
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	19	0.94
(1,363)	1:401:A:THR:HB	1:402:A:PRO:HD2	4	0.94
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	9	0.94
(1,198)	1:372:A:LYS:HB2	1:372:A:LYS:HA	6	0.94
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	15	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	1	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	2	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	3	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	4	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	5	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	6	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	7	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	8	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	9	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	10	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	11	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	12	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	13	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	14	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	15	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	16	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	17	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	18	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	19	0.94
(1,66)	1:441:A:GLY:HA3	1:441:A:GLY:HA2	20	0.94
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	1	0.94
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	4	0.94
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	8	0.94
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	9	0.94
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	10	0.94
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	11	0.94
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	12	0.94
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	13	0.94
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	14	0.94
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	15	0.94
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	16	0.94
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	17	0.94
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	19	0.94
(1,32)	1:386:A:ASN:HB2	1:386:A:ASN:HB3	20	0.94
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	3	0.94
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	5	0.94
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	6	0.94
(1,9)	1:410:A:TRP:HA	1:410:A:TRP:H	13	0.94
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	15	0.93
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	3	0.93
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	8	0.93
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	4	0.93
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	10	0.93
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	14	0.93
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	15	0.93
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	19	0.93
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	10	0.93
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	9	0.93
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	15	0.93
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	16	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	15	0.93
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	20	0.93
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	8	0.93
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	3	0.93
(1,3782)	1:434:A:TRP:HZ3	1:373:A:PRO:HA	6	0.93
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	7	0.93
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	7	0.93
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	7	0.93
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	7	0.93
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	7	0.93
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	7	0.93
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	9	0.93
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	9	0.93
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	9	0.93
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	9	0.93
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	9	0.93
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	9	0.93
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	17	0.93
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	17	0.93
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	17	0.93
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	17	0.93
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	17	0.93
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	17	0.93
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	20	0.93
(1,3649)	1:415:A:TRP:HZ3	1:414:A:ASP:HB3	12	0.93
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	3	0.93
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	3	0.93
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	4	0.93
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	4	0.93
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	18	0.93
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	18	0.93
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	1	0.93
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	6	0.93
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	7	0.93
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	6	0.93
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	11	0.93
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	9	0.93
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	18	0.93
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	20	0.93
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	13	0.93
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	15	0.93
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	16	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	11	0.93
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	5	0.93
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	16	0.93
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	5	0.93
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	7	0.93
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	10	0.93
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	14	0.93
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	15	0.93
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	17	0.93
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	18	0.93
(1,2830)	1:448:A:SER:HB2	1:449:A:VAL:H	18	0.93
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	2	0.93
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	4	0.93
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	10	0.93
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	14	0.93
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	15	0.93
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	1	0.93
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	16	0.93
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	11	0.93
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	17	0.93
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	8	0.93
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	11	0.93
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	12	0.93
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	13	0.93
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	14	0.93
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	15	0.93
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	20	0.93
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	2	0.93
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	6	0.93
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	7	0.93
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	2	0.93
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	9	0.93
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	3	0.93
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	5	0.93
(1,2380)	1:388:A:GLU:HB2	1:388:A:GLU:H	4	0.93
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	5	0.93
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	5	0.93
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	5	0.93
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	7	0.93
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	7	0.93
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	7	0.93
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	10	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	10	0.93
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	10	0.93
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	11	0.93
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	11	0.93
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	11	0.93
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	13	0.93
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	13	0.93
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	13	0.93
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	17	0.93
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	17	0.93
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	17	0.93
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	18	0.93
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	18	0.93
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	18	0.93
(1,2214)	1:364:A:LEU:HD21	1:364:A:LEU:HG	19	0.93
(1,2214)	1:364:A:LEU:HD22	1:364:A:LEU:HG	19	0.93
(1,2214)	1:364:A:LEU:HD23	1:364:A:LEU:HG	19	0.93
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	14	0.93
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	6	0.93
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	11	0.93
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	19	0.93
(1,2188)	1:420:A:ILE:HA	1:421:A:HIS:H	15	0.93
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	2	0.93
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	2	0.93
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	6	0.93
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	16	0.93
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	16	0.93
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	16	0.93
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	19	0.93
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	19	0.93
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	19	0.93
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	9	0.93
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	9	0.93
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	9	0.93
(1,1896)	1:422:A:ASP:HA	1:423:A:SER:HB2	8	0.93
(1,1812)	1:429:A:TYR:HA	1:430:A:GLY:HA3	19	0.93
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	2	0.93
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	5	0.93
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	8	0.93
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	10	0.93
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	18	0.93
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	6	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	15	0.93
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	16	0.93
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	1	0.93
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	2	0.93
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	3	0.93
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	4	0.93
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	10	0.93
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	11	0.93
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	13	0.93
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	14	0.93
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	17	0.93
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	18	0.93
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	20	0.93
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	4	0.93
(1,1468)	1:448:A:SER:HB3	1:449:A:VAL:H	14	0.93
(1,1468)	1:448:A:SER:HB3	1:449:A:VAL:H	17	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	1	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	2	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	3	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	4	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	5	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	6	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	7	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	8	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	9	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	10	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	11	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	12	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	13	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	14	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	15	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	16	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	17	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	18	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	19	0.93
(1,1444)	1:387:A:LYS:HG3	1:387:A:LYS:HG2	20	0.93
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	18	0.93
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	4	0.93
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	13	0.93
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	15	0.93
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	6	0.93
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	11	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	15	0.93
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	2	0.93
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	2	0.93
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	2	0.93
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	1	0.93
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	1	0.93
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	1	0.93
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	15	0.93
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	15	0.93
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	15	0.93
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	2	0.93
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	3	0.93
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	9	0.93
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	1	0.93
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	1	0.93
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	6	0.93
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	6	0.93
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	7	0.93
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	7	0.93
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	15	0.93
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	15	0.93
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	10	0.93
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	1	0.93
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	13	0.93
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	13	0.93
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	10	0.93
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	12	0.93
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	15	0.93
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	1	0.93
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	1	0.93
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	14	0.93
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	16	0.93
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	7	0.93
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	5	0.93
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	11	0.93
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	18	0.93
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	19	0.93
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	13	0.93
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	7	0.93
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	9	0.93
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	10	0.93
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	19	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	5	0.93
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	5	0.93
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	5	0.93
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	18	0.93
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	18	0.93
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	18	0.93
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	15	0.93
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	7	0.93
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	20	0.93
(1,422)	1:435:A:LYS:HG3	1:435:A:LYS:HD2	18	0.93
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	17	0.93
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	2	0.93
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	7	0.93
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	11	0.93
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	13	0.93
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	20	0.92
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	14	0.92
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	14	0.92
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	14	0.92
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	16	0.92
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	16	0.92
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	16	0.92
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	12	0.92
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	14	0.92
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	11	0.92
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	15	0.92
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	17	0.92
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	6	0.92
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	7	0.92
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	12	0.92
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	12	0.92
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	1	0.92
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	7	0.92
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	8	0.92
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	9	0.92
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	11	0.92
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	12	0.92
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	13	0.92
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	16	0.92
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	17	0.92
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	18	0.92
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	20	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	3	0.92
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	11	0.92
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	12	0.92
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	14	0.92
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	1	0.92
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	6	0.92
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	7	0.92
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	12	0.92
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	10	0.92
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	10	0.92
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	10	0.92
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	7	0.92
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	2	0.92
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	2	0.92
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	2	0.92
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	2	0.92
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	2	0.92
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	2	0.92
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	14	0.92
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	6	0.92
(1,3649)	1:415:A:TRP:HZ3	1:414:A:ASP:HB3	18	0.92
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	11	0.92
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	11	0.92
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	12	0.92
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	12	0.92
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	20	0.92
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	20	0.92
(1,3605)	1:425:A:TRP:HH2	1:405:A:SER:HB3	12	0.92
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	2	0.92
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	3	0.92
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	1	0.92
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	1	0.92
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	1	0.92
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	8	0.92
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	8	0.92
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	8	0.92
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	1	0.92
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	4	0.92
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	5	0.92
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	8	0.92
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	9	0.92
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	10	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	11	0.92
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	13	0.92
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	17	0.92
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	18	0.92
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	20	0.92
(1,3299)	1:340:A:MET:HB3	1:341:A:GLU:HA	17	0.92
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	1	0.92
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	1	0.92
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	1	0.92
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	9	0.92
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	9	0.92
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	9	0.92
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	13	0.92
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	13	0.92
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	3	0.92
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	19	0.92
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	18	0.92
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	2	0.92
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	5	0.92
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	6	0.92
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	19	0.92
(1,3020)	1:428:A:GLU:HB2	1:427:A:PRO:HA	4	0.92
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	11	0.92
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	6	0.92
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	9	0.92
(1,2982)	1:440:A:HIS:HA	1:441:A:GLY:H	17	0.92
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	1	0.92
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	3	0.92
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	4	0.92
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	6	0.92
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	10	0.92
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	12	0.92
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	13	0.92
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	14	0.92
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	17	0.92
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	8	0.92
(1,2855)	1:448:A:SER:HB2	1:448:A:SER:H	14	0.92
(1,2830)	1:448:A:SER:HB2	1:449:A:VAL:H	3	0.92
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	5	0.92
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	11	0.92
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	1	0.92
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	5	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	6	0.92
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	7	0.92
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	8	0.92
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	9	0.92
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	11	0.92
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	12	0.92
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	13	0.92
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	16	0.92
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	20	0.92
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	11	0.92
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	12	0.92
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	19	0.92
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	11	0.92
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	14	0.92
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	16	0.92
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	19	0.92
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	1	0.92
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	3	0.92
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	4	0.92
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	5	0.92
(1,2602)	1:351:A:ASN:HB3	1:351:A:ASN:HD21	5	0.92
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	7	0.92
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	11	0.92
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	15	0.92
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	6	0.92
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	17	0.92
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	20	0.92
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	4	0.92
(1,2440)	1:421:A:HIS:HA	1:421:A:HIS:HE1	7	0.92
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	10	0.92
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	13	0.92
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	10	0.92
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	20	0.92
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	7	0.92
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	9	0.92
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	14	0.92
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	17	0.92
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	18	0.92
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	17	0.92
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	11	0.92
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	7	0.92
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	7	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	7	0.92
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	20	0.92
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	20	0.92
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	20	0.92
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	1	0.92
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	8	0.92
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	9	0.92
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	15	0.92
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	17	0.92
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	18	0.92
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	19	0.92
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	20	0.92
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	13	0.92
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	15	0.92
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	15	0.92
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	11	0.92
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	13	0.92
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	1	0.92
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	2	0.92
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	5	0.92
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	7	0.92
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	8	0.92
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	9	0.92
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	12	0.92
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	17	0.92
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	18	0.92
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	7	0.92
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	12	0.92
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	15	0.92
(1,1691)	1:354:A:MET:HA	1:355:A:TRP:H	16	0.92
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	9	0.92
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	9	0.92
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	9	0.92
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	9	0.92
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	9	0.92
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	9	0.92
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	9	0.92
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	9	0.92
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	9	0.92
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	1	0.92
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	5	0.92
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	10	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	14	0.92
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	8	0.92
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	9	0.92
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	16	0.92
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	19	0.92
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	20	0.92
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	9	0.92
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	10	0.92
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	12	0.92
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	17	0.92
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	1	0.92
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	5	0.92
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	5	0.92
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	7	0.92
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	13	0.92
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	16	0.92
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	19	0.92
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	19	0.92
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	19	0.92
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	20	0.92
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	20	0.92
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	20	0.92
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	7	0.92
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	7	0.92
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	7	0.92
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	14	0.92
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	14	0.92
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	14	0.92
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	6	0.92
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	6	0.92
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	10	0.92
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD1	8	0.92
(1,1144)	1:403:A:TYR:HB3	1:403:A:TYR:HD2	8	0.92
(1,1114)	1:372:A:LYS:HB3	1:372:A:LYS:HA	11	0.92
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	4	0.92
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	13	0.92
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	16	0.92
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	6	0.92
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	1	0.92
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	9	0.92
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	17	0.92
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	14	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	14	0.92
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	1	0.92
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	4	0.92
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	8	0.92
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	9	0.92
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	17	0.92
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	19	0.92
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	20	0.92
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	13	0.92
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	15	0.92
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	18	0.92
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	1	0.92
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	3	0.92
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	4	0.92
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	8	0.92
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	10	0.92
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	14	0.92
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	17	0.92
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	8	0.92
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	3	0.92
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	8	0.92
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	15	0.92
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	17	0.92
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	2	0.92
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	8	0.92
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	5	0.92
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	5	0.92
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	5	0.92
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	14	0.92
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	14	0.92
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	14	0.92
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	18	0.92
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	18	0.92
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	18	0.92
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	20	0.92
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	2	0.92
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	2	0.92
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	1	0.92
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	9	0.92
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	10	0.92
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	10	0.92
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	10	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	12	0.92
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	5	0.92
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	2	0.92
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	9	0.92
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	5	0.91
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	4	0.91
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	1	0.91
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	20	0.91
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	2	0.91
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	5	0.91
(1,4684)	1:441:A:GLY:H	1:371:A:GLY:H	7	0.91
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	6	0.91
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	17	0.91
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	17	0.91
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	18	0.91
(1,4395)	1:408:A:ASN:HD22	1:409:A:TYR:H	16	0.91
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	1	0.91
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	20	0.91
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	18	0.91
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	20	0.91
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	2	0.91
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	2	0.91
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	2	0.91
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	2	0.91
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	2	0.91
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	2	0.91
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	4	0.91
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	4	0.91
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	4	0.91
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	4	0.91
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	4	0.91
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	4	0.91
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	6	0.91
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	6	0.91
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	6	0.91
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	6	0.91
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	6	0.91
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	6	0.91
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	14	0.91
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	14	0.91
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	14	0.91
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	14	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	14	0.91
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	14	0.91
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	16	0.91
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	16	0.91
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	16	0.91
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	16	0.91
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	16	0.91
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	16	0.91
(1,3649)	1:415:A:TRP:HZ3	1:414:A:ASP:HB3	1	0.91
(1,3649)	1:415:A:TRP:HZ3	1:414:A:ASP:HB3	17	0.91
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	15	0.91
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	15	0.91
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	16	0.91
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	16	0.91
(1,3636)	1:344:A:TYR:HD1	1:341:A:GLU:HA	13	0.91
(1,3636)	1:344:A:TYR:HD2	1:341:A:GLU:HA	13	0.91
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	5	0.91
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	4	0.91
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	4	0.91
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	4	0.91
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	14	0.91
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	14	0.91
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	14	0.91
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	12	0.91
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	14	0.91
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	15	0.91
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	19	0.91
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	5	0.91
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	8	0.91
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	10	0.91
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	16	0.91
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	18	0.91
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	20	0.91
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	15	0.91
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	15	0.91
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	15	0.91
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	15	0.91
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	20	0.91
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	20	0.91
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	20	0.91
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	12	0.91
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	17	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	18	0.91
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	14	0.91
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	14	0.91
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	14	0.91
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	10	0.91
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	5	0.91
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	17	0.91
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	12	0.91
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	12	0.91
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	2	0.91
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	7	0.91
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	8	0.91
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	9	0.91
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	11	0.91
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	15	0.91
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	18	0.91
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	20	0.91
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	6	0.91
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	9	0.91
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	12	0.91
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	13	0.91
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	15	0.91
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	15	0.91
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	1	0.91
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	17	0.91
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	3	0.91
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	14	0.91
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	15	0.91
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	17	0.91
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	18	0.91
(1,2736)	1:446:A:PRO:HD3	1:446:A:PRO:HG3	19	0.91
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	13	0.91
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	12	0.91
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	2	0.91
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	7	0.91
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	15	0.91
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	9	0.91
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	3	0.91
(1,2434)	1:399:A:ASP:HB2	1:399:A:ASP:H	6	0.91
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	8	0.91
(1,2282)	1:416:A:THR:HG21	1:415:A:TRP:HD1	2	0.91
(1,2282)	1:416:A:THR:HG22	1:415:A:TRP:HD1	2	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2282)	1:416:A:THR:HG23	1:415:A:TRP:HD1	2	0.91
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	18	0.91
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	20	0.91
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	3	0.91
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	10	0.91
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	19	0.91
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	8	0.91
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	15	0.91
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	15	0.91
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	11	0.91
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	16	0.91
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	16	0.91
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	16	0.91
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	6	0.91
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	3	0.91
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	3	0.91
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	3	0.91
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	14	0.91
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	14	0.91
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	14	0.91
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	20	0.91
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	20	0.91
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	20	0.91
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	4	0.91
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	11	0.91
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	12	0.91
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	13	0.91
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	14	0.91
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	16	0.91
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	16	0.91
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	16	0.91
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	16	0.91
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	17	0.91
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	17	0.91
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	17	0.91
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	1	0.91
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	7	0.91
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	9	0.91
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	10	0.91
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	11	0.91
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	13	0.91
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	16	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	17	0.91
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	18	0.91
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	2	0.91
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	4	0.91
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	8	0.91
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	3	0.91
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	10	0.91
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	13	0.91
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	17	0.91
(1,1543)	1:343:A:THR:HG21	1:342:A:ASP:HB2	2	0.91
(1,1543)	1:343:A:THR:HG22	1:342:A:ASP:HB2	2	0.91
(1,1543)	1:343:A:THR:HG23	1:342:A:ASP:HB2	2	0.91
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	4	0.91
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	4	0.91
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	4	0.91
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	4	0.91
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	4	0.91
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	4	0.91
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	4	0.91
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	4	0.91
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	4	0.91
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	14	0.91
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	14	0.91
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	14	0.91
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	14	0.91
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	14	0.91
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	14	0.91
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	14	0.91
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	14	0.91
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	14	0.91
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	18	0.91
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	18	0.91
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	18	0.91
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	18	0.91
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	18	0.91
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	18	0.91
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	18	0.91
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	18	0.91
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	18	0.91
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	1	0.91
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	4	0.91
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	13	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	17	0.91
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	1	0.91
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	8	0.91
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	14	0.91
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	16	0.91
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	19	0.91
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	10	0.91
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	14	0.91
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	18	0.91
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	19	0.91
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	18	0.91
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	18	0.91
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	18	0.91
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	1	0.91
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	1	0.91
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	1	0.91
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	4	0.91
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	4	0.91
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	4	0.91
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	6	0.91
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	6	0.91
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	6	0.91
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	8	0.91
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	11	0.91
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	8	0.91
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	5	0.91
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	12	0.91
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	15	0.91
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	15	0.91
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	15	0.91
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	3	0.91
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	18	0.91
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	4	0.91
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	4	0.91
(1,907)	1:393:A:LEU:HG	1:393:A:LEU:HA	5	0.91
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	2	0.91
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	19	0.91
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	9	0.91
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	9	0.91
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	2	0.91
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	10	0.91
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	19	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	2	0.91
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	3	0.91
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	5	0.91
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	6	0.91
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	7	0.91
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	10	0.91
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	11	0.91
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	12	0.91
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	13	0.91
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	15	0.91
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	16	0.91
(1,822)	1:384:A:VAL:HA	1:384:A:VAL:HB	18	0.91
(1,779)	1:371:A:GLY:HA2	1:372:A:LYS:H	20	0.91
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	7	0.91
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	16	0.91
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	20	0.91
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	9	0.91
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	5	0.91
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	1	0.91
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	2	0.91
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	3	0.91
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	6	0.91
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	7	0.91
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	9	0.91
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	10	0.91
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	13	0.91
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	14	0.91
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	15	0.91
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	17	0.91
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	19	0.91
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	20	0.91
(1,719)	1:352:A:GLN:HG2	1:352:A:GLN:H	7	0.91
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	4	0.91
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	10	0.91
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	13	0.91
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	20	0.91
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	3	0.91
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	3	0.91
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	3	0.91
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	6	0.91
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	6	0.91
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	6	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	7	0.91
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	7	0.91
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	7	0.91
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	13	0.91
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	13	0.91
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	13	0.91
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	20	0.91
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	20	0.91
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	20	0.91
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	3	0.91
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	3	0.91
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	3	0.91
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	10	0.91
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	10	0.91
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	10	0.91
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	11	0.91
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	11	0.91
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	11	0.91
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	7	0.91
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	6	0.91
(1,151)	1:454:A:PHE:HB2	1:454:A:PHE:H	3	0.91
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	10	0.91
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	11	0.91
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	5	0.91
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	20	0.91
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	5	0.9
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	8	0.9
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	2	0.9
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	1	0.9
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	8	0.9
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	13	0.9
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	2	0.9
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	9	0.9
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	15	0.9
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	3	0.9
(1,4751)	1:456:A:MET:H	1:456:A:MET:HG2	6	0.9
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	8	0.9
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	13	0.9
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	1	0.9
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	8	0.9
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	13	0.9
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	14	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	19	0.9
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	2	0.9
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	6	0.9
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	7	0.9
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	10	0.9
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	19	0.9
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	20	0.9
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	2	0.9
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	9	0.9
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	15	0.9
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	5	0.9
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	7	0.9
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	15	0.9
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	19	0.9
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	2	0.9
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	6	0.9
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	7	0.9
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	10	0.9
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	19	0.9
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	20	0.9
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	13	0.9
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	16	0.9
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	6	0.9
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	6	0.9
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	6	0.9
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	6	0.9
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	6	0.9
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	6	0.9
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	12	0.9
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	12	0.9
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	12	0.9
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	12	0.9
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	12	0.9
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	12	0.9
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	13	0.9
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	13	0.9
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	13	0.9
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	13	0.9
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	13	0.9
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	13	0.9
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	18	0.9
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	19	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	12	0.9
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	17	0.9
(1,3677)	1:434:A:TRP:HH2	1:373:A:PRO:HG2	10	0.9
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	2	0.9
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	2	0.9
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	10	0.9
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	10	0.9
(1,3520)	1:358:A:LYS:HG2	1:359:A:ASP:H	12	0.9
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	3	0.9
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	6	0.9
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	7	0.9
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	14	0.9
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	16	0.9
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	20	0.9
(1,3369)	1:410:A:TRP:HA	1:411:A:MET:H	16	0.9
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	1	0.9
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	2	0.9
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	3	0.9
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	4	0.9
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	7	0.9
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	9	0.9
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	12	0.9
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	13	0.9
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	17	0.9
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	19	0.9
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	8	0.9
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	8	0.9
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	15	0.9
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	15	0.9
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	19	0.9
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	19	0.9
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	20	0.9
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	20	0.9
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	1	0.9
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	14	0.9
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	20	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	1	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	1	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	1	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	2	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	2	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	2	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	3	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	3	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	3	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	4	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	4	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	4	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	5	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	5	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	5	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	6	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	6	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	6	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	7	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	7	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	7	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	8	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	8	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	8	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	9	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	9	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	9	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	10	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	10	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	10	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	11	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	11	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	11	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	12	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	12	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	12	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	13	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	13	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	13	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	14	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	14	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	14	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	16	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	16	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	16	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	17	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	17	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	17	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	18	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	18	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	18	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD21	19	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD22	19	0.9
(1,3233)	1:349:A:LEU:HG	1:349:A:LEU:HD23	19	0.9
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	6	0.9
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	11	0.9
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	14	0.9
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	15	0.9
(1,3192)	1:426:A:GLN:HA	1:427:A:PRO:HB2	9	0.9
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	2	0.9
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	5	0.9
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	11	0.9
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	13	0.9
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	20	0.9
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	9	0.9
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	20	0.9
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	10	0.9
(1,2955)	1:420:A:ILE:HB	1:420:A:ILE:HA	19	0.9
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	1	0.9
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	19	0.9
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	20	0.9
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	5	0.9
(1,2855)	1:448:A:SER:HB2	1:448:A:SER:H	10	0.9
(1,2855)	1:448:A:SER:HB2	1:448:A:SER:H	13	0.9
(1,2830)	1:448:A:SER:HB2	1:449:A:VAL:H	7	0.9
(1,2830)	1:448:A:SER:HB2	1:449:A:VAL:H	15	0.9
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	1	0.9
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	11	0.9
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	20	0.9
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	3	0.9
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	10	0.9
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	7	0.9
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	10	0.9
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	16	0.9
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	18	0.9
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	5	0.9
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	7	0.9
(1,2531)	1:399:A:ASP:HB3	1:400:A:GLY:H	3	0.9
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	1	0.9
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	10	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	9	0.9
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	10	0.9
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	5	0.9
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	12	0.9
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	14	0.9
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	14	0.9
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	7	0.9
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	7	0.9
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	7	0.9
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	10	0.9
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	10	0.9
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	10	0.9
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	11	0.9
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	11	0.9
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	11	0.9
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	12	0.9
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	12	0.9
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	12	0.9
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	13	0.9
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	13	0.9
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	13	0.9
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	2	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	1	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	1	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	1	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	2	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	2	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	2	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	4	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	4	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	4	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	5	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	5	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	5	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	6	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	6	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	6	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	7	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	7	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	7	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	8	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	8	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	8	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	9	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	9	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	9	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	10	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	10	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	10	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	11	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	11	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	11	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	12	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	12	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	12	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	13	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	13	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	13	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	15	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	15	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	15	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	17	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	17	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	17	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	18	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	18	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	18	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	19	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	19	0.9
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	19	0.9
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	2	0.9
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	3	0.9
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	5	0.9
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	7	0.9
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	20	0.9
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	20	0.9
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	20	0.9
(1,1814)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	9	0.9
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	2	0.9
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	4	0.9
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	5	0.9
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	12	0.9
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	14	0.9
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	19	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	3	0.9
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	9	0.9
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	10	0.9
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	19	0.9
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	4	0.9
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	18	0.9
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	19	0.9
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	4	0.9
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	2	0.9
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	7	0.9
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	9	0.9
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	10	0.9
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	17	0.9
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	17	0.9
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	17	0.9
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	17	0.9
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	17	0.9
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	17	0.9
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	17	0.9
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	17	0.9
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	17	0.9
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	19	0.9
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	19	0.9
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	19	0.9
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	19	0.9
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	19	0.9
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	19	0.9
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	19	0.9
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	19	0.9
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	19	0.9
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	9	0.9
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	2	0.9
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	11	0.9
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	5	0.9
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	14	0.9
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	15	0.9
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	17	0.9
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	20	0.9
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	19	0.9
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	5	0.9
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	5	0.9
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	5	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	6	0.9
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	6	0.9
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	6	0.9
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	17	0.9
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	17	0.9
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	17	0.9
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	4	0.9
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	4	0.9
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	4	0.9
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	7	0.9
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	7	0.9
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	7	0.9
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	10	0.9
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	10	0.9
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	10	0.9
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	12	0.9
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	12	0.9
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	12	0.9
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	17	0.9
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	17	0.9
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	17	0.9
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	5	0.9
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	9	0.9
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	15	0.9
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	16	0.9
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	2	0.9
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	2	0.9
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	2	0.9
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	3	0.9
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	3	0.9
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	3	0.9
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	5	0.9
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	5	0.9
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	5	0.9
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	19	0.9
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	19	0.9
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	19	0.9
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	7	0.9
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	3	0.9
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	6	0.9
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	10	0.9
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	13	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	15	0.9
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	17	0.9
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	20	0.9
(1,1190)	1:406:A:PRO:HB3	1:405:A:SER:HA	15	0.9
(1,1154)	1:382:A:PHE:HB3	1:383:A:TYR:H	1	0.9
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	16	0.9
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	16	0.9
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	16	0.9
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	15	0.9
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	8	0.9
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	6	0.9
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	6	0.9
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	6	0.9
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	12	0.9
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	1	0.9
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	4	0.9
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	6	0.9
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	7	0.9
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	11	0.9
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	15	0.9
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	20	0.9
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	13	0.9
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	15	0.9
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	15	0.9
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	6	0.9
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	1	0.9
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	13	0.9
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	14	0.9
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	4	0.9
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	5	0.9
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	8	0.9
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	11	0.9
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	12	0.9
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	16	0.9
(1,737)	1:355:A:TRP:HB3	1:355:A:TRP:HA	18	0.9
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	5	0.9
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	10	0.9
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	10	0.9
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	10	0.9
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	14	0.9
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	14	0.9
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	14	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	17	0.9
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	17	0.9
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	17	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	1	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	1	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	1	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	16	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	16	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	16	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	17	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	17	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	17	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	19	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	19	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	19	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	20	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	20	0.9
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	20	0.9
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	18	0.9
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	5	0.9
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	5	0.9
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	9	0.9
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	9	0.9
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	16	0.9
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	16	0.9
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	13	0.9
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	16	0.9
(1,363)	1:401:A:THR:HB	1:402:A:PRO:HD2	17	0.9
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	6	0.9
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	6	0.9
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	14	0.89
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	1	0.89
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	3	0.89
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	9	0.89
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	16	0.89
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	18	0.89
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	1	0.89
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	2	0.89
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	3	0.89
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	5	0.89
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	7	0.89
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	2	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	3	0.89
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	4	0.89
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	9	0.89
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	11	0.89
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	20	0.89
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	1	0.89
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	3	0.89
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	5	0.89
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	8	0.89
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	9	0.89
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	11	0.89
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	12	0.89
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	13	0.89
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	14	0.89
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	15	0.89
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	16	0.89
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	17	0.89
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	18	0.89
(1,4350)	1:342:A:ASP:H	1:360:A:GLY:HA3	2	0.89
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	11	0.89
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	14	0.89
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	16	0.89
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	1	0.89
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	3	0.89
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	5	0.89
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	8	0.89
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	9	0.89
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	11	0.89
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	12	0.89
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	13	0.89
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	14	0.89
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	15	0.89
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	16	0.89
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	17	0.89
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	18	0.89
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	16	0.89
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	8	0.89
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	15	0.89
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	5	0.89
(1,3649)	1:415:A:TRP:HZ3	1:414:A:ASP:HB3	5	0.89
(1,3649)	1:415:A:TRP:HZ3	1:414:A:ASP:HB3	15	0.89
(1,3649)	1:415:A:TRP:HZ3	1:414:A:ASP:HB3	19	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3649)	1:415:A:TRP:HZ3	1:414:A:ASP:HB3	20	0.89
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	7	0.89
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	7	0.89
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	19	0.89
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	19	0.89
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	15	0.89
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	15	0.89
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	15	0.89
(1,3520)	1:358:A:LYS:HG2	1:359:A:ASP:H	3	0.89
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	2	0.89
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	10	0.89
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	11	0.89
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	12	0.89
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	13	0.89
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	15	0.89
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	17	0.89
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	18	0.89
(1,3348)	1:380:A:GLY:HA3	1:381:A:VAL:H	15	0.89
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	4	0.89
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	4	0.89
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	9	0.89
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	9	0.89
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	18	0.89
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	6	0.89
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	18	0.89
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	3	0.89
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	5	0.89
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	8	0.89
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	15	0.89
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	19	0.89
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	1	0.89
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	20	0.89
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	4	0.89
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	9	0.89
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	10	0.89
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	12	0.89
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	14	0.89
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	15	0.89
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	16	0.89
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	17	0.89
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	18	0.89
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	19	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	3	0.89
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	11	0.89
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	14	0.89
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	16	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	2	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	2	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	3	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	3	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	6	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	6	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	8	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	8	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	10	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	10	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	14	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	14	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	16	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	16	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	18	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	18	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	19	0.89
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	19	0.89
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	11	0.89
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	13	0.89
(1,2855)	1:448:A:SER:HB2	1:448:A:SER:H	19	0.89
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	5	0.89
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	14	0.89
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	18	0.89
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	6	0.89
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	10	0.89
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	15	0.89
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	3	0.89
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	16	0.89
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	8	0.89
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	17	0.89
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	5	0.89
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	2	0.89
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	15	0.89
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	4	0.89
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	8	0.89
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	5	0.89
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	7	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2434)	1:399:A:ASP:HB2	1:399:A:ASP:H	2	0.89
(1,2434)	1:399:A:ASP:HB2	1:399:A:ASP:H	8	0.89
(1,2434)	1:399:A:ASP:HB2	1:399:A:ASP:H	11	0.89
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	11	0.89
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	3	0.89
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	15	0.89
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	14	0.89
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	13	0.89
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	13	0.89
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	19	0.89
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	19	0.89
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	5	0.89
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	8	0.89
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	2	0.89
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	2	0.89
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	2	0.89
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	3	0.89
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	3	0.89
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	3	0.89
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	4	0.89
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	4	0.89
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	4	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	1	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	1	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	1	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	2	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	2	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	2	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	4	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	4	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	4	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	7	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	7	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	7	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	8	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	8	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	8	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	9	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	9	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	9	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	10	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	10	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	10	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	11	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	11	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	11	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	12	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	12	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	12	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	13	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	13	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	13	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	14	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	14	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	14	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	15	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	15	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	15	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	17	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	17	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	17	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	18	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	18	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	18	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	20	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	20	0.89
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	20	0.89
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	3	0.89
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	7	0.89
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	13	0.89
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	15	0.89
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	18	0.89
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	20	0.89
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	2	0.89
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	2	0.89
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	2	0.89
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	4	0.89
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	4	0.89
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	4	0.89
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	6	0.89
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	6	0.89
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	6	0.89
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	8	0.89
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	8	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	8	0.89
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	9	0.89
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	9	0.89
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	9	0.89
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	15	0.89
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	15	0.89
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	15	0.89
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	17	0.89
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	17	0.89
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	17	0.89
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	18	0.89
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	18	0.89
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	18	0.89
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	19	0.89
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	19	0.89
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	19	0.89
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	20	0.89
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	20	0.89
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	20	0.89
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD11	16	0.89
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD12	16	0.89
(1,1922)	1:349:A:LEU:HG	1:349:A:LEU:HD13	16	0.89
(1,1899)	1:460:A:GLY:HA3	1:460:A:GLY:H	6	0.89
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	15	0.89
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	11	0.89
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	16	0.89
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	3	0.89
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	6	0.89
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	8	0.89
(1,1762)	1:384:A:VAL:HA	1:385:A:TRP:H	20	0.89
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	7	0.89
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	14	0.89
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	17	0.89
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	20	0.89
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	9	0.89
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	11	0.89
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	12	0.89
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	13	0.89
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	1	0.89
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	13	0.89
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	13	0.89
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	13	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	13	0.89
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	13	0.89
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	13	0.89
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	13	0.89
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	13	0.89
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	13	0.89
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	4	0.89
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	8	0.89
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	13	0.89
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	5	0.89
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	14	0.89
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	15	0.89
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	2	0.89
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	6	0.89
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	11	0.89
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	18	0.89
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	20	0.89
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	7	0.89
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	18	0.89
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	19	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	4	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	4	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	4	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	8	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	8	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	8	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	9	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	9	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	9	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	12	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	12	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	12	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	18	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	18	0.89
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	18	0.89
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	8	0.89
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	8	0.89
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	8	0.89
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	3	0.89
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	4	0.89
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	2	0.89
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	4	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	5	0.89
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	7	0.89
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	11	0.89
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	12	0.89
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	14	0.89
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	16	0.89
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	19	0.89
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	12	0.89
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	18	0.89
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	18	0.89
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	18	0.89
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	4	0.89
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	20	0.89
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	19	0.89
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	20	0.89
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	3	0.89
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	3	0.89
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	3	0.89
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	10	0.89
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	10	0.89
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	10	0.89
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	8	0.89
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	10	0.89
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	10	0.89
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	11	0.89
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	11	0.89
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	3	0.89
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	8	0.89
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	12	0.89
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	17	0.89
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	18	0.89
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	7	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	1	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	2	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	3	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	4	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	5	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	7	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	8	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	9	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	10	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	11	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	12	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	13	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	14	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	15	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	16	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	17	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	18	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	19	0.89
(1,748)	1:411:A:MET:HA	1:411:A:MET:H	20	0.89
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	9	0.89
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	17	0.89
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	18	0.89
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	2	0.89
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	3	0.89
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	19	0.89
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	1	0.89
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	1	0.89
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	1	0.89
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	2	0.89
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	2	0.89
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	2	0.89
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	4	0.89
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	4	0.89
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	4	0.89
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	8	0.89
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	8	0.89
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	8	0.89
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	12	0.89
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	12	0.89
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	12	0.89
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	1	0.89
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	6	0.89
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	6	0.89
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	6	0.89
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	7	0.89
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	7	0.89
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	7	0.89
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	9	0.89
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	9	0.89
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	9	0.89
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	13	0.89
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	13	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	13	0.89
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	8	0.89
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	16	0.89
(1,245)	1:352:A:GLN:HA	1:352:A:GLN:HG2	14	0.89
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	5	0.89
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	20	0.89
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	7	0.89
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	16	0.89
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	19	0.88
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	13	0.88
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	14	0.88
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	17	0.88
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	16	0.88
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	16	0.88
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	16	0.88
(1,4902)	1:429:A:TYR:H	1:428:A:GLU:HG3	14	0.88
(1,4902)	1:429:A:TYR:H	1:428:A:GLU:HG3	16	0.88
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	7	0.88
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	19	0.88
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	20	0.88
(1,4637)	1:409:A:TYR:H	1:407:A:VAL:HB	5	0.88
(1,4514)	1:426:A:GLN:HE21	1:426:A:GLN:HE22	4	0.88
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	3	0.88
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	15	0.88
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	10	0.88
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	12	0.88
(1,4130)	1:426:A:GLN:HE22	1:426:A:GLN:HE21	4	0.88
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	19	0.88
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	3	0.88
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	9	0.88
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	15	0.88
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	2	0.88
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	14	0.88
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	19	0.88
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	9	0.88
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	5	0.88
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	5	0.88
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	5	0.88
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	5	0.88
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	5	0.88
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	5	0.88
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	15	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3649)	1:415:A:TRP:HZ3	1:414:A:ASP:HB3	7	0.88
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	5	0.88
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	5	0.88
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	5	0.88
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	5	0.88
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	5	0.88
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	1	0.88
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	4	0.88
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	8	0.88
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	9	0.88
(1,3497)	1:447:A:PRO:HD2	1:447:A:PRO:HG2	19	0.88
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	10	0.88
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	10	0.88
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	12	0.88
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	12	0.88
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	8	0.88
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	13	0.88
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	20	0.88
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	4	0.88
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	10	0.88
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	12	0.88
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	13	0.88
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	17	0.88
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	2	0.88
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	3	0.88
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	4	0.88
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	5	0.88
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	7	0.88
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	1	0.88
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	3	0.88
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	7	0.88
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	8	0.88
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	20	0.88
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	3	0.88
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	3	0.88
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	3	0.88
(1,3069)	1:411:A:MET:HB3	1:411:A:MET:HG2	6	0.88
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	12	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	1	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	1	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	4	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	4	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	5	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	5	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	7	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	7	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	9	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	9	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	11	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	11	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	13	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	13	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	15	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	15	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	17	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	17	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD1	20	0.88
(1,2985)	1:466:A:PHE:HA	1:466:A:PHE:HD2	20	0.88
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	3	0.88
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	15	0.88
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	16	0.88
(1,2855)	1:448:A:SER:HB2	1:448:A:SER:H	4	0.88
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	2	0.88
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	4	0.88
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	8	0.88
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	10	0.88
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	16	0.88
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	17	0.88
(1,2804)	1:408:A:ASN:HB2	1:409:A:TYR:H	19	0.88
(1,2804)	1:408:A:ASN:HB2	1:409:A:TYR:H	20	0.88
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	3	0.88
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	7	0.88
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	9	0.88
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	11	0.88
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	10	0.88
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	1	0.88
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	6	0.88
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	9	0.88
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	19	0.88
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	19	0.88
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	19	0.88
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	19	0.88
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	19	0.88
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	19	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	4	0.88
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	5	0.88
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	12	0.88
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	14	0.88
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	18	0.88
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	3	0.88
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	3	0.88
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	3	0.88
(1,2628)	1:457:A:VAL:HA	1:457:A:VAL:HB	6	0.88
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	10	0.88
(1,2531)	1:399:A:ASP:HB3	1:400:A:GLY:H	14	0.88
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	3	0.88
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	4	0.88
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	8	0.88
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	18	0.88
(1,2438)	1:412:A:PRO:HA	1:411:A:MET:HB2	2	0.88
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	5	0.88
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	8	0.88
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	3	0.88
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	15	0.88
(1,2291)	1:407:A:VAL:HA	1:408:A:ASN:HB2	13	0.88
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	18	0.88
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	9	0.88
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	15	0.88
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	19	0.88
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	1	0.88
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	6	0.88
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	14	0.88
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	14	0.88
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	14	0.88
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	3	0.88
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	3	0.88
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	3	0.88
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	5	0.88
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	5	0.88
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	5	0.88
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	6	0.88
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	6	0.88
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	6	0.88
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	16	0.88
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	16	0.88
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	16	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD11	19	0.88
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD12	19	0.88
(1,2040)	1:453:A:LEU:HG	1:453:A:LEU:HD13	19	0.88
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	2	0.88
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	4	0.88
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	5	0.88
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	6	0.88
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	8	0.88
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	9	0.88
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	10	0.88
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	12	0.88
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	16	0.88
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	17	0.88
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	19	0.88
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	3	0.88
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	7	0.88
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	9	0.88
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	9	0.88
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	9	0.88
(1,1896)	1:422:A:ASP:HA	1:423:A:SER:HB2	19	0.88
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	18	0.88
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	18	0.88
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	18	0.88
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	7	0.88
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	7	0.88
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	7	0.88
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	3	0.88
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	12	0.88
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	1	0.88
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	15	0.88
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	16	0.88
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	5	0.88
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	5	0.88
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	5	0.88
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	6	0.88
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	6	0.88
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	6	0.88
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	11	0.88
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	14	0.88
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	15	0.88
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	6	0.88
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	19	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB1	1	0.88
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB2	1	0.88
(1,1510)	1:407:A:VAL:HG21	1:391:A:ALA:HB3	1	0.88
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB1	1	0.88
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB2	1	0.88
(1,1510)	1:407:A:VAL:HG22	1:391:A:ALA:HB3	1	0.88
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB1	1	0.88
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB2	1	0.88
(1,1510)	1:407:A:VAL:HG23	1:391:A:ALA:HB3	1	0.88
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	2	0.88
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	18	0.88
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	20	0.88
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	3	0.88
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	6	0.88
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	7	0.88
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	12	0.88
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	12	0.88
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	14	0.88
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	14	0.88
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	14	0.88
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	7	0.88
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	14	0.88
(1,1231)	1:367:A:ASP:HA	1:368:A:ILE:H	1	0.88
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	1	0.88
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	9	0.88
(1,1211)	1:371:A:GLY:HA3	1:371:A:GLY:H	18	0.88
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	7	0.88
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	7	0.88
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	7	0.88
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	13	0.88
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	5	0.88
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	9	0.88
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	14	0.88
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	16	0.88
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	2	0.88
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	1	0.88
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	2	0.88
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	4	0.88
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	6	0.88
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	19	0.88
(1,628)	1:358:A:LYS:HB3	1:358:A:LYS:HE2	5	0.88
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	7	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	11	0.88
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	11	0.88
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	11	0.88
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	16	0.88
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	16	0.88
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	16	0.88
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	19	0.88
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	19	0.88
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	19	0.88
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	10	0.88
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	15	0.88
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	8	0.88
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	8	0.88
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	8	0.88
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	12	0.88
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	12	0.88
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	12	0.88
(1,436)	1:394:A:LYS:HA	1:394:A:LYS:HG2	15	0.88
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	3	0.88
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	7	0.88
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	3	0.88
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	3	0.88
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	3	0.88
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	12	0.88
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	18	0.88
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	3	0.88
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	3	0.88
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	3	0.88
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	14	0.88
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	2	0.88
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	15	0.88
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	20	0.87
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	4	0.87
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	14	0.87
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	7	0.87
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	11	0.87
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	11	0.87
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	11	0.87
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	4	0.87
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	14	0.87
(1,4326)	1:397:A:ASN:HD21	1:397:A:ASN:HA	13	0.87
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	20	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	9	0.87
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	16	0.87
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	4	0.87
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	10	0.87
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	12	0.87
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	12	0.87
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	5	0.87
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	5	0.87
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	5	0.87
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	2	0.87
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	14	0.87
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	15	0.87
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	7	0.87
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	7	0.87
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	7	0.87
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	7	0.87
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	7	0.87
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	7	0.87
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	18	0.87
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	18	0.87
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	18	0.87
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	18	0.87
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	18	0.87
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	18	0.87
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD11	5	0.87
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD12	5	0.87
(1,3748)	1:356:A:TYR:HD1	1:453:A:LEU:HD13	5	0.87
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD11	5	0.87
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD12	5	0.87
(1,3748)	1:356:A:TYR:HD2	1:453:A:LEU:HD13	5	0.87
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	1	0.87
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	2	0.87
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	16	0.87
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	19	0.87
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	6	0.87
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	6	0.87
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	13	0.87
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	13	0.87
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	3	0.87
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	3	0.87
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	3	0.87
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	17	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	17	0.87
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	17	0.87
(1,3520)	1:358:A:LYS:HG2	1:359:A:ASP:H	2	0.87
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	5	0.87
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	5	0.87
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	5	0.87
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	18	0.87
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	18	0.87
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	18	0.87
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	4	0.87
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	9	0.87
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	2	0.87
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	7	0.87
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	9	0.87
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	16	0.87
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	12	0.87
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	6	0.87
(1,3122)	1:356:A:TYR:HA	1:357:A:TYR:H	13	0.87
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	9	0.87
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	14	0.87
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	12	0.87
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	1	0.87
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	7	0.87
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	9	0.87
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	17	0.87
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	20	0.87
(1,2855)	1:448:A:SER:HB2	1:448:A:SER:H	17	0.87
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	6	0.87
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	12	0.87
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	13	0.87
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	15	0.87
(1,2804)	1:408:A:ASN:HB2	1:409:A:TYR:H	4	0.87
(1,2804)	1:408:A:ASN:HB2	1:409:A:TYR:H	12	0.87
(1,2804)	1:408:A:ASN:HB2	1:409:A:TYR:H	14	0.87
(1,2804)	1:408:A:ASN:HB2	1:409:A:TYR:H	15	0.87
(1,2804)	1:408:A:ASN:HB2	1:409:A:TYR:H	17	0.87
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	7	0.87
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	4	0.87
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	14	0.87
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	16	0.87
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	2	0.87
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	11	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	13	0.87
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	20	0.87
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	2	0.87
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	6	0.87
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	19	0.87
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	5	0.87
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	5	0.87
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	5	0.87
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	6	0.87
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	6	0.87
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	6	0.87
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	17	0.87
(1,2531)	1:399:A:ASP:HB3	1:400:A:GLY:H	16	0.87
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	1	0.87
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	15	0.87
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	5	0.87
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	16	0.87
(1,2434)	1:399:A:ASP:HB2	1:399:A:ASP:H	15	0.87
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	15	0.87
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	17	0.87
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	2	0.87
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	3	0.87
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	4	0.87
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	5	0.87
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	6	0.87
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	7	0.87
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	9	0.87
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	13	0.87
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	17	0.87
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	18	0.87
(1,2291)	1:407:A:VAL:HA	1:408:A:ASN:HB2	10	0.87
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	20	0.87
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	15	0.87
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	3	0.87
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	4	0.87
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	8	0.87
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	11	0.87
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	18	0.87
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	20	0.87
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	8	0.87
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	8	0.87
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	15	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	15	0.87
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	15	0.87
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	1	0.87
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	11	0.87
(1,2011)	1:373:A:PRO:HG2	1:373:A:PRO:HD2	14	0.87
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	6	0.87
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	6	0.87
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	6	0.87
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	1	0.87
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	1	0.87
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	1	0.87
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	3	0.87
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	3	0.87
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	3	0.87
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	7	0.87
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	7	0.87
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	7	0.87
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	14	0.87
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	14	0.87
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	14	0.87
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	5	0.87
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	4	0.87
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	4	0.87
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	4	0.87
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	13	0.87
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	13	0.87
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	13	0.87
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	4	0.87
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	18	0.87
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	7	0.87
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	6	0.87
(1,1751)	1:351:A:ASN:HB2	1:351:A:ASN:HD21	12	0.87
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	3	0.87
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	8	0.87
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	10	0.87
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	12	0.87
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	17	0.87
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	20	0.87
(1,1711)	1:419:A:GLY:HA2	1:419:A:GLY:H	11	0.87
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	5	0.87
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	3	0.87
(1,1397)	1:386:A:ASN:HB3	1:386:A:ASN:HD21	7	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	10	0.87
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	18	0.87
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	8	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	1	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	2	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	3	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	4	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	5	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	6	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	7	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	8	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	9	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	10	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	11	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	12	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	13	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	14	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	15	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	16	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	17	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	18	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	19	0.87
(1,1308)	1:462:A:PRO:HG2	1:462:A:PRO:HG3	20	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	1	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	1	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	1	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	10	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	10	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	10	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	13	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	13	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	13	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	15	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	15	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	15	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	16	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	16	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	16	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	19	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	19	0.87
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	19	0.87
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	13	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	13	0.87
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	13	0.87
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	2	0.87
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	10	0.87
(1,1232)	1:391:A:ALA:HB1	1:390:A:ASP:HA	16	0.87
(1,1232)	1:391:A:ALA:HB2	1:390:A:ASP:HA	16	0.87
(1,1232)	1:391:A:ALA:HB3	1:390:A:ASP:HA	16	0.87
(1,1186)	1:364:A:LEU:HA	1:365:A:GLU:HB3	6	0.87
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	18	0.87
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	10	0.87
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	12	0.87
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	13	0.87
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	13	0.87
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	13	0.87
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	6	0.87
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	10	0.87
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	17	0.87
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	20	0.87
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	9	0.87
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	9	0.87
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	5	0.87
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	5	0.87
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	8	0.87
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	8	0.87
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	16	0.87
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	16	0.87
(1,844)	1:430:A:GLY:HA3	1:431:A:GLY:H	13	0.87
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	4	0.87
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	8	0.87
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	10	0.87
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	14	0.87
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	16	0.87
(1,719)	1:352:A:GLN:HG2	1:352:A:GLN:H	12	0.87
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	12	0.87
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	1	0.87
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	2	0.87
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	3	0.87
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	6	0.87
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	8	0.87
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	9	0.87
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	11	0.87
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	12	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	12	0.87
(1,574)	1:450:A:MET:HB2	1:450:A:MET:HA	19	0.87
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	1	0.87
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	12	0.87
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	15	0.87
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	16	0.87
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	17	0.87
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	18	0.87
(1,571)	1:374:A:THR:HG21	1:374:A:THR:H	9	0.87
(1,571)	1:374:A:THR:HG22	1:374:A:THR:H	9	0.87
(1,571)	1:374:A:THR:HG23	1:374:A:THR:H	9	0.87
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	1	0.87
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	7	0.87
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	12	0.87
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	16	0.87
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	18	0.87
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	2	0.87
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	3	0.87
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	4	0.87
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	7	0.87
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	8	0.87
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	9	0.87
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	11	0.87
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	13	0.87
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	16	0.87
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	17	0.87
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	4	0.87
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	4	0.87
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	4	0.87
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	11	0.87
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	11	0.87
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	11	0.87
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	15	0.87
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	15	0.87
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	15	0.87
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	4	0.87
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	4	0.87
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	9	0.87
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	15	0.87
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	5	0.87
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	5	0.87
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	5	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	6	0.87
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	6	0.87
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	6	0.87
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	11	0.87
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	19	0.87
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	8	0.87
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	9	0.87
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	8	0.87
(1,113)	1:341:A:GLU:HA	1:342:A:ASP:HB2	13	0.87
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	3	0.87
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	9	0.87
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	18	0.87
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	10	0.87
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	19	0.87
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	10	0.86
(1,4902)	1:429:A:TYR:H	1:428:A:GLU:HG3	18	0.86
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	11	0.86
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	11	0.86
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	8	0.86
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	19	0.86
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	4	0.86
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	16	0.86
(1,4395)	1:408:A:ASN:HD22	1:409:A:TYR:H	5	0.86
(1,4326)	1:397:A:ASN:HD21	1:397:A:ASN:HA	19	0.86
(1,4326)	1:397:A:ASN:HD21	1:397:A:ASN:HA	20	0.86
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	12	0.86
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	12	0.86
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	12	0.86
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	13	0.86
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	7	0.86
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	5	0.86
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	18	0.86
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	8	0.86
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	3	0.86
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	5	0.86
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	6	0.86
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	10	0.86
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	11	0.86
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	16	0.86
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	17	0.86
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	19	0.86
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	9	0.86
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	9	0.86
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	9	0.86
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	9	0.86
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	9	0.86
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	8	0.86
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	8	0.86
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	16	0.86
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	16	0.86
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	16	0.86
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	5	0.86
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	5	0.86
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	5	0.86
(1,3485)	1:389:A:GLU:HB2	1:390:A:ASP:HA	18	0.86
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	11	0.86
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	15	0.86
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	1	0.86
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	6	0.86
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	11	0.86
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	11	0.86
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	18	0.86
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	18	0.86
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	15	0.86
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	11	0.86
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	10	0.86
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	3	0.86
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	4	0.86
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	14	0.86
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	20	0.86
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	4	0.86
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	9	0.86
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	11	0.86
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	15	0.86
(1,2912)	1:440:A:HIS:HB3	1:440:A:HIS:HA	11	0.86
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	2	0.86
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	3	0.86
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	4	0.86
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	6	0.86
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	10	0.86
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	14	0.86
(1,2855)	1:448:A:SER:HB2	1:448:A:SER:H	15	0.86
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	8	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	7	0.86
(1,2804)	1:408:A:ASN:HB2	1:409:A:TYR:H	11	0.86
(1,2804)	1:408:A:ASN:HB2	1:409:A:TYR:H	18	0.86
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	5	0.86
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	15	0.86
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	3	0.86
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	7	0.86
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	9	0.86
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	13	0.86
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	15	0.86
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	12	0.86
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	7	0.86
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	5	0.86
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	6	0.86
(1,2531)	1:399:A:ASP:HB3	1:400:A:GLY:H	9	0.86
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	16	0.86
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	9	0.86
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	4	0.86
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	15	0.86
(1,2463)	1:349:A:LEU:HB2	1:349:A:LEU:H	19	0.86
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	7	0.86
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	1	0.86
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	8	0.86
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	10	0.86
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	12	0.86
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	15	0.86
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	16	0.86
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	5	0.86
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	14	0.86
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	7	0.86
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	12	0.86
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	17	0.86
(1,2192)	1:452:A:GLU:HA	1:451:A:LYS:HB2	16	0.86
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	3	0.86
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	13	0.86
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	19	0.86
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	17	0.86
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	17	0.86
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	15	0.86
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	6	0.86
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	6	0.86
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	6	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	12	0.86
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	12	0.86
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	12	0.86
(1,1950)	1:384:A:VAL:HG11	1:384:A:VAL:H	5	0.86
(1,1950)	1:384:A:VAL:HG12	1:384:A:VAL:H	5	0.86
(1,1950)	1:384:A:VAL:HG13	1:384:A:VAL:H	5	0.86
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	3	0.86
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	18	0.86
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	1	0.86
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	3	0.86
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	4	0.86
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	5	0.86
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	6	0.86
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	7	0.86
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	10	0.86
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	11	0.86
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	12	0.86
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	14	0.86
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	19	0.86
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	7	0.86
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	13	0.86
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	16	0.86
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	19	0.86
(1,1406)	1:407:A:VAL:HA	1:406:A:PRO:HB3	10	0.86
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	1	0.86
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	2	0.86
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	8	0.86
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	12	0.86
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	14	0.86
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	15	0.86
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	19	0.86
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	12	0.86
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	20	0.86
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	11	0.86
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	11	0.86
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	11	0.86
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD11	20	0.86
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD12	20	0.86
(1,1278)	1:364:A:LEU:HB3	1:453:A:LEU:HD13	20	0.86
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	2	0.86
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	2	0.86
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	2	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	5	0.86
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	5	0.86
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	5	0.86
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	6	0.86
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	6	0.86
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	6	0.86
(1,1250)	1:418:A:VAL:HG11	1:419:A:GLY:H	11	0.86
(1,1250)	1:418:A:VAL:HG12	1:419:A:GLY:H	11	0.86
(1,1250)	1:418:A:VAL:HG13	1:419:A:GLY:H	11	0.86
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	1	0.86
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	4	0.86
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	8	0.86
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	12	0.86
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	13	0.86
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	18	0.86
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	19	0.86
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	6	0.86
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	7	0.86
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	15	0.86
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	4	0.86
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	4	0.86
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	4	0.86
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	18	0.86
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	18	0.86
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	18	0.86
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	1	0.86
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	2	0.86
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	11	0.86
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	12	0.86
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	15	0.86
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	14	0.86
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	4	0.86
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	4	0.86
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	14	0.86
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	14	0.86
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	18	0.86
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	18	0.86
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	19	0.86
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	19	0.86
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	5	0.86
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	9	0.86
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	20	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	12	0.86
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	3	0.86
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	10	0.86
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	3	0.86
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	4	0.86
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	5	0.86
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	6	0.86
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	7	0.86
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	10	0.86
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	11	0.86
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	12	0.86
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	9	0.86
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	4	0.86
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	5	0.86
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	7	0.86
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	10	0.86
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	13	0.86
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	14	0.86
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	15	0.86
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	16	0.86
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	17	0.86
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	18	0.86
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	19	0.86
(1,608)	1:403:A:TYR:HB2	1:403:A:TYR:HB3	20	0.86
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	7	0.86
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	4	0.86
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	9	0.86
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	6	0.86
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	11	0.86
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	13	0.86
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	17	0.86
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	19	0.86
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	5	0.86
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	14	0.86
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	15	0.86
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	18	0.86
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	19	0.86
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	20	0.86
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE1	2	0.86
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE2	2	0.86
(1,461)	1:354:A:MET:HB3	1:354:A:MET:HE3	2	0.86
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	2	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	4	0.86
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	6	0.86
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	8	0.86
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	19	0.86
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	2	0.86
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	3	0.86
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	4	0.86
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	5	0.86
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	6	0.86
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	7	0.86
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	8	0.86
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	9	0.86
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	12	0.86
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	13	0.86
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	15	0.86
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	16	0.86
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	17	0.86
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	19	0.86
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	20	0.86
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	10	0.86
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	3	0.86
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	13	0.86
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	15	0.86
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	13	0.86
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	16	0.86
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	4	0.86
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	8	0.86
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	12	0.86
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	15	0.86
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	19	0.86
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	12	0.86
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	12	0.86
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	12	0.86
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	7	0.86
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	20	0.86
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	3	0.85
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	10	0.85
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	10	0.85
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	10	0.85
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	17	0.85
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	9	0.85
(1,4800)	1:411:A:MET:H	1:410:A:TRP:HE3	14	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	17	0.85
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	15	0.85
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	15	0.85
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	15	0.85
(1,4326)	1:397:A:ASN:HD21	1:397:A:ASN:HA	15	0.85
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD11	15	0.85
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD12	15	0.85
(1,4303)	1:393:A:LEU:H	1:393:A:LEU:HD13	15	0.85
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	6	0.85
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	3	0.85
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	8	0.85
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	14	0.85
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	20	0.85
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	1	0.85
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	2	0.85
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	3	0.85
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	4	0.85
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	9	0.85
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	10	0.85
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	11	0.85
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	12	0.85
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	13	0.85
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	14	0.85
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	15	0.85
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	16	0.85
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	18	0.85
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	19	0.85
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	20	0.85
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	1	0.85
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	4	0.85
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	7	0.85
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	8	0.85
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	12	0.85
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	13	0.85
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	18	0.85
(1,3795)	1:355:A:TRP:HZ3	1:355:A:TRP:HB3	20	0.85
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	11	0.85
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	11	0.85
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	11	0.85
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	11	0.85
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	11	0.85
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	11	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	14	0.85
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	14	0.85
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	14	0.85
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	14	0.85
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	14	0.85
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	14	0.85
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	12	0.85
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	5	0.85
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	10	0.85
(1,3605)	1:425:A:TRP:HH2	1:405:A:SER:HB3	6	0.85
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	7	0.85
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	7	0.85
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	7	0.85
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	9	0.85
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	9	0.85
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	9	0.85
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	12	0.85
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	12	0.85
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	12	0.85
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	10	0.85
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	10	0.85
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	10	0.85
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	3	0.85
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	3	0.85
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	3	0.85
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	7	0.85
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	7	0.85
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	10	0.85
(1,3166)	1:391:A:ALA:HA	1:390:A:ASP:H	13	0.85
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	8	0.85
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	10	0.85
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	17	0.85
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	18	0.85
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	7	0.85
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	19	0.85
(1,3034)	1:425:A:TRP:HB3	1:425:A:TRP:H	10	0.85
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	12	0.85
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	18	0.85
(1,2855)	1:448:A:SER:HB2	1:448:A:SER:H	3	0.85
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	3	0.85
(1,2804)	1:408:A:ASN:HB2	1:409:A:TYR:H	1	0.85
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	10	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	1	0.85
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	2	0.85
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	12	0.85
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	20	0.85
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	5	0.85
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	4	0.85
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	7	0.85
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	8	0.85
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	14	0.85
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	16	0.85
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	6	0.85
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	18	0.85
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	15	0.85
(1,2576)	1:459:A:LYS:HB2	1:459:A:LYS:HE3	18	0.85
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	3	0.85
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	3	0.85
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	17	0.85
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	3	0.85
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	8	0.85
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	11	0.85
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	19	0.85
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	14	0.85
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	19	0.85
(1,2365)	1:419:A:GLY:HA3	1:419:A:GLY:H	20	0.85
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	6	0.85
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	1	0.85
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	2	0.85
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	5	0.85
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	7	0.85
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	10	0.85
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	12	0.85
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	13	0.85
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	16	0.85
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	20	0.85
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	1	0.85
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	2	0.85
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	14	0.85
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	8	0.85
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	4	0.85
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	10	0.85
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	6	0.85
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	6	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	5	0.85
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	5	0.85
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	5	0.85
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	5	0.85
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	5	0.85
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	5	0.85
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	5	0.85
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	5	0.85
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	5	0.85
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	10	0.85
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	20	0.85
(1,2063)	1:407:A:VAL:HG21	1:391:A:ALA:H	5	0.85
(1,2063)	1:407:A:VAL:HG22	1:391:A:ALA:H	5	0.85
(1,2063)	1:407:A:VAL:HG23	1:391:A:ALA:H	5	0.85
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	8	0.85
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	12	0.85
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	19	0.85
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	18	0.85
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	18	0.85
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	18	0.85
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	12	0.85
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	12	0.85
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	12	0.85
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	14	0.85
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	14	0.85
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	14	0.85
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	5	0.85
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	8	0.85
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	11	0.85
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	12	0.85
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	20	0.85
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	1	0.85
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	2	0.85
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	8	0.85
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	9	0.85
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	13	0.85
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	14	0.85
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	15	0.85
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	16	0.85
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	17	0.85
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	18	0.85
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	19	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:443:A:ILE:HG12	1:443:A:ILE:HG13	20	0.85
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	1	0.85
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	3	0.85
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	5	0.85
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	6	0.85
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	9	0.85
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	15	0.85
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	16	0.85
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	17	0.85
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	18	0.85
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	20	0.85
(1,1783)	1:443:A:ILE:HA	1:444:A:ASN:H	4	0.85
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	15	0.85
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	15	0.85
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	15	0.85
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	1	0.85
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	16	0.85
(1,1452)	1:442:A:CYS:HB3	1:442:A:CYS:H	17	0.85
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	3	0.85
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	4	0.85
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	7	0.85
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	11	0.85
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	13	0.85
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	16	0.85
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	17	0.85
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	20	0.85
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	9	0.85
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	17	0.85
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	18	0.85
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	18	0.85
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	6	0.85
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	11	0.85
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	19	0.85
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	5	0.85
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	5	0.85
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	5	0.85
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	10	0.85
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	10	0.85
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	10	0.85
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	14	0.85
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	14	0.85
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	14	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	19	0.85
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	19	0.85
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	19	0.85
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	5	0.85
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	17	0.85
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	19	0.85
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	19	0.85
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	19	0.85
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	4	0.85
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	7	0.85
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	17	0.85
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	17	0.85
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	7	0.85
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	8	0.85
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	7	0.85
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	7	0.85
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	13	0.85
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	13	0.85
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	15	0.85
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	15	0.85
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	17	0.85
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	17	0.85
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	20	0.85
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	20	0.85
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	6	0.85
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	11	0.85
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	13	0.85
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	16	0.85
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	17	0.85
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	3	0.85
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	12	0.85
(1,761)	1:362:A:VAL:HB	1:363:A:ALA:H	6	0.85
(1,750)	1:391:A:ALA:HA	1:390:A:ASP:HA	5	0.85
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	1	0.85
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	2	0.85
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	8	0.85
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	9	0.85
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	13	0.85
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	14	0.85
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	15	0.85
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	16	0.85
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	17	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	18	0.85
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	19	0.85
(1,745)	1:443:A:ILE:HG13	1:443:A:ILE:HG12	20	0.85
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	3	0.85
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	16	0.85
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	5	0.85
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	3	0.85
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	6	0.85
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	14	0.85
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	2	0.85
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	3	0.85
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	4	0.85
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	8	0.85
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	9	0.85
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	14	0.85
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	20	0.85
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	6	0.85
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	10	0.85
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	8	0.85
(1,423)	1:414:A:ASP:HA	1:415:A:TRP:H	10	0.85
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	1	0.85
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	2	0.85
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	3	0.85
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	14	0.85
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	1	0.85
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	10	0.85
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	14	0.85
(1,340)	1:413:A:ILE:HA	1:413:A:ILE:H	18	0.85
(1,320)	1:349:A:LEU:HA	1:350:A:GLU:HB3	15	0.85
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	7	0.85
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	19	0.85
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	1	0.85
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	2	0.85
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	5	0.85
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	7	0.85
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	10	0.85
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	12	0.85
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	13	0.85
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	16	0.85
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	20	0.85
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	18	0.85
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	15	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	18	0.85
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	17	0.85
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	1	0.85
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	10	0.85
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	14	0.85
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	18	0.85
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	3	0.85
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	3	0.85
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	3	0.85
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	8	0.85
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	8	0.85
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	8	0.85
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	15	0.85
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	15	0.85
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	15	0.85
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	1	0.85
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	3	0.85
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	8	0.84
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	2	0.84
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	12	0.84
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	12	0.84
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	12	0.84
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	4	0.84
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	18	0.84
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	20	0.84
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	15	0.84
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	8	0.84
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	8	0.84
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	8	0.84
(1,4326)	1:397:A:ASN:HD21	1:397:A:ASN:HA	4	0.84
(1,4326)	1:397:A:ASN:HD21	1:397:A:ASN:HA	5	0.84
(1,4326)	1:397:A:ASN:HD21	1:397:A:ASN:HA	12	0.84
(1,4326)	1:397:A:ASN:HD21	1:397:A:ASN:HA	16	0.84
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	10	0.84
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	8	0.84
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	3	0.84
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	4	0.84
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	13	0.84
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	1	0.84
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	15	0.84
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	2	0.84
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	2	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	6	0.84
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	5	0.84
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	6	0.84
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	7	0.84
(1,3914)	1:371:A:GLY:H	1:371:A:GLY:HA2	17	0.84
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	10	0.84
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	10	0.84
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	10	0.84
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	12	0.84
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	12	0.84
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	1	0.84
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	1	0.84
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	1	0.84
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	1	0.84
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	1	0.84
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	1	0.84
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	4	0.84
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	4	0.84
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	4	0.84
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	4	0.84
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	4	0.84
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	4	0.84
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	10	0.84
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	10	0.84
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	10	0.84
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	10	0.84
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	10	0.84
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	10	0.84
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	5	0.84
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	5	0.84
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	5	0.84
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	10	0.84
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	10	0.84
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	10	0.84
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	1	0.84
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	7	0.84
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	16	0.84
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	19	0.84
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	1	0.84
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	2	0.84
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	3	0.84
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	4	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	6	0.84
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	7	0.84
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	12	0.84
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	13	0.84
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	15	0.84
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	16	0.84
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	17	0.84
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	19	0.84
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	4	0.84
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	4	0.84
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	4	0.84
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	15	0.84
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	15	0.84
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	15	0.84
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	18	0.84
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	18	0.84
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	18	0.84
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	20	0.84
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	20	0.84
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	20	0.84
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	6	0.84
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	6	0.84
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	6	0.84
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	6	0.84
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	6	0.84
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	13	0.84
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	13	0.84
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	13	0.84
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	1	0.84
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	3	0.84
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	4	0.84
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	6	0.84
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	7	0.84
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	10	0.84
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	13	0.84
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	16	0.84
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	17	0.84
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	18	0.84
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	8	0.84
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	10	0.84
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	6	0.84
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	6	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	13	0.84
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	1	0.84
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	2	0.84
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	6	0.84
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	7	0.84
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	12	0.84
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	16	0.84
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	19	0.84
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	8	0.84
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	10	0.84
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	8	0.84
(1,2903)	1:464:A:LEU:HB2	1:465:A:VAL:HA	19	0.84
(1,2830)	1:448:A:SER:HB2	1:449:A:VAL:H	10	0.84
(1,2804)	1:408:A:ASN:HB2	1:409:A:TYR:H	9	0.84
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	8	0.84
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	13	0.84
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	5	0.84
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	17	0.84
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	19	0.84
(1,2750)	1:373:A:PRO:HB2	1:373:A:PRO:HD2	20	0.84
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	14	0.84
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	20	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	1	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	2	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	3	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	4	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	5	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	6	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	7	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	8	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	9	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	10	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	11	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	12	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	13	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	14	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	15	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	16	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	17	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	18	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	19	0.84
(1,2682)	1:415:A:TRP:HB2	1:415:A:TRP:HB3	20	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	2	0.84
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	2	0.84
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	2	0.84
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	11	0.84
(1,2531)	1:399:A:ASP:HB3	1:400:A:GLY:H	1	0.84
(1,2518)	1:463:A:VAL:HB	1:463:A:VAL:H	16	0.84
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	16	0.84
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	9	0.84
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	10	0.84
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	16	0.84
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	17	0.84
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	18	0.84
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	19	0.84
(1,2419)	1:387:A:LYS:HG3	1:387:A:LYS:H	13	0.84
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	6	0.84
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	20	0.84
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	1	0.84
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	4	0.84
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	6	0.84
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	9	0.84
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	14	0.84
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	15	0.84
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	17	0.84
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	18	0.84
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	20	0.84
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	13	0.84
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	3	0.84
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	4	0.84
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	6	0.84
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	8	0.84
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	9	0.84
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	11	0.84
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	14	0.84
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	15	0.84
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	17	0.84
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	18	0.84
(1,2231)	1:447:A:PRO:HB3	1:447:A:PRO:HB2	19	0.84
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	6	0.84
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	16	0.84
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	5	0.84
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	10	0.84
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	18	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	1	0.84
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	7	0.84
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	13	0.84
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	18	0.84
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	11	0.84
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	2	0.84
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	2	0.84
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	2	0.84
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	11	0.84
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	11	0.84
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	11	0.84
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	4	0.84
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	4	0.84
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	4	0.84
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	10	0.84
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	10	0.84
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	10	0.84
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	1	0.84
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	7	0.84
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	10	0.84
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	2	0.84
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	4	0.84
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	7	0.84
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	8	0.84
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	11	0.84
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	12	0.84
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	13	0.84
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	5	0.84
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	11	0.84
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	11	0.84
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	11	0.84
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	15	0.84
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	15	0.84
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	15	0.84
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	19	0.84
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	5	0.84
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	6	0.84
(1,1360)	1:435:A:LYS:HB3	1:435:A:LYS:HG2	9	0.84
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	14	0.84
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	18	0.84
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	15	0.84
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	1	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	2	0.84
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	10	0.84
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	11	0.84
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	13	0.84
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	19	0.84
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	17	0.84
(1,1247)	1:435:A:LYS:HG3	1:435:A:LYS:HA	20	0.84
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	5	0.84
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	8	0.84
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	11	0.84
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	12	0.84
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	15	0.84
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	18	0.84
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	20	0.84
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	8	0.84
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	7	0.84
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	7	0.84
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	7	0.84
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	5	0.84
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	13	0.84
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	4	0.84
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	10	0.84
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	1	0.84
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	14	0.84
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	14	0.84
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	12	0.84
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	12	0.84
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	10	0.84
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	2	0.84
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	3	0.84
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	4	0.84
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	7	0.84
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	8	0.84
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	10	0.84
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	12	0.84
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	14	0.84
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	15	0.84
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	6	0.84
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	13	0.84
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	18	0.84
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	20	0.84
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	11	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	1	0.84
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	7	0.84
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	20	0.84
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	11	0.84
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	5	0.84
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	18	0.84
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	19	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	1	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	2	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	3	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	4	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	5	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	6	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	7	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	8	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	9	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	10	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	11	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	12	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	13	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	14	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	15	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	16	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	17	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	18	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	19	0.84
(1,466)	1:466:A:PHE:HB2	1:466:A:PHE:HB3	20	0.84
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	5	0.84
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	10	0.84
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	12	0.84
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	12	0.84
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	4	0.84
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	2	0.84
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	2	0.84
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	2	0.84
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	3	0.84
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	5	0.84
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	6	0.84
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	7	0.84
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	14	0.84
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	18	0.84
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	3	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	4	0.84
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	6	0.84
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	8	0.84
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	9	0.84
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	11	0.84
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	14	0.84
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	15	0.84
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	17	0.84
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	18	0.84
(1,176)	1:447:A:PRO:HB2	1:447:A:PRO:HB3	19	0.84
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	11	0.84
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	12	0.84
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	14	0.84
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	10	0.84
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	10	0.84
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	10	0.84
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	13	0.84
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	13	0.84
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	13	0.84
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	17	0.84
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	17	0.84
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	17	0.84
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	18	0.84
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	18	0.84
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	18	0.84
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	19	0.84
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	19	0.84
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	19	0.84
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	15	0.84
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	4	0.84
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	5	0.84
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	9	0.84
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	13	0.84
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	16	0.84
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG11	15	0.83
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG12	15	0.83
(1,4905)	1:409:A:TYR:H	1:407:A:VAL:HG13	15	0.83
(1,4902)	1:429:A:TYR:H	1:428:A:GLU:HG3	13	0.83
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	10	0.83
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	1	0.83
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	13	0.83
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	4	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	13	0.83
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	15	0.83
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	10	0.83
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	12	0.83
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	7	0.83
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	20	0.83
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	18	0.83
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	18	0.83
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	18	0.83
(1,4326)	1:397:A:ASN:HD21	1:397:A:ASN:HA	14	0.83
(1,4326)	1:397:A:ASN:HD21	1:397:A:ASN:HA	17	0.83
(1,4326)	1:397:A:ASN:HD21	1:397:A:ASN:HA	18	0.83
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	7	0.83
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	8	0.83
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	8	0.83
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	8	0.83
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	15	0.83
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	15	0.83
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	15	0.83
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	14	0.83
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	11	0.83
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	3	0.83
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	7	0.83
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	9	0.83
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	10	0.83
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	15	0.83
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	18	0.83
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	19	0.83
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	15	0.83
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	15	0.83
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	15	0.83
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	8	0.83
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	8	0.83
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	5	0.83
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	5	0.83
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	7	0.83
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	7	0.83
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	9	0.83
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	9	0.83
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	11	0.83
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	11	0.83
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	13	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	13	0.83
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	15	0.83
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	15	0.83
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	16	0.83
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	16	0.83
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	16	0.83
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	16	0.83
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	16	0.83
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	16	0.83
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	17	0.83
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	17	0.83
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	17	0.83
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	17	0.83
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	17	0.83
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	17	0.83
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	9	0.83
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	3	0.83
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	8	0.83
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	9	0.83
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	11	0.83
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	14	0.83
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	18	0.83
(1,3657)	1:425:A:TRP:HZ2	1:425:A:TRP:HD1	20	0.83
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	2	0.83
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	2	0.83
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	2	0.83
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	6	0.83
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	6	0.83
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	6	0.83
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	14	0.83
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	14	0.83
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	14	0.83
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	19	0.83
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	19	0.83
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	19	0.83
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	9	0.83
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	9	0.83
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	9	0.83
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	2	0.83
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	5	0.83
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	8	0.83
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	9	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	12	0.83
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	14	0.83
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	19	0.83
(1,3352)	1:371:A:GLY:HA3	1:372:A:LYS:HB2	20	0.83
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	2	0.83
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	2	0.83
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	2	0.83
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	14	0.83
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	14	0.83
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	14	0.83
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	15	0.83
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	15	0.83
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	15	0.83
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	2	0.83
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	2	0.83
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	16	0.83
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	16	0.83
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	16	0.83
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	16	0.83
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	16	0.83
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	15	0.83
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	6	0.83
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	6	0.83
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	6	0.83
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	3	0.83
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	16	0.83
(1,2855)	1:448:A:SER:HB2	1:448:A:SER:H	18	0.83
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	9	0.83
(1,2830)	1:448:A:SER:HB2	1:449:A:VAL:H	4	0.83
(1,2822)	1:437:A:ARG:HD3	1:437:A:ARG:HE	19	0.83
(1,2804)	1:408:A:ASN:HB2	1:409:A:TYR:H	7	0.83
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	14	0.83
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	18	0.83
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	19	0.83
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	1	0.83
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	5	0.83
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	13	0.83
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	19	0.83
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	9	0.83
(1,2518)	1:463:A:VAL:HB	1:463:A:VAL:H	11	0.83
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	6	0.83
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	11	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	8	0.83
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	11	0.83
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	12	0.83
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	13	0.83
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	14	0.83
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	15	0.83
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	20	0.83
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	4	0.83
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	7	0.83
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	2	0.83
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	5	0.83
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	7	0.83
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	10	0.83
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	12	0.83
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	13	0.83
(1,2404)	1:446:A:PRO:HA	1:446:A:PRO:HB3	16	0.83
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	10	0.83
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	9	0.83
(1,2205)	1:409:A:TYR:HB3	1:409:A:TYR:HA	5	0.83
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	10	0.83
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	9	0.83
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	15	0.83
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	17	0.83
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	14	0.83
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	17	0.83
(1,2074)	1:450:A:MET:HA	1:450:A:MET:HG2	19	0.83
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	4	0.83
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	14	0.83
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	17	0.83
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	3	0.83
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	3	0.83
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	3	0.83
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	4	0.83
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	4	0.83
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	4	0.83
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	8	0.83
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	8	0.83
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	8	0.83
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	12	0.83
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	12	0.83
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	12	0.83
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	17	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	17	0.83
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	17	0.83
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	15	0.83
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	11	0.83
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	11	0.83
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	11	0.83
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	6	0.83
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	9	0.83
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	13	0.83
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	16	0.83
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	17	0.83
(1,1814)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	19	0.83
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	17	0.83
(1,1791)	1:446:A:PRO:HG2	1:446:A:PRO:HD3	10	0.83
(1,1744)	1:378:A:PRO:HG2	1:379:A:ALA:H	2	0.83
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	10	0.83
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	15	0.83
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	17	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	1	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	1	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	1	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	3	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	3	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	3	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	4	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	4	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	4	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	7	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	7	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	7	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	8	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	8	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	8	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	10	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	10	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	10	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	12	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	12	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	12	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	17	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	17	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	17	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	18	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	18	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	18	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	19	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	19	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	19	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	20	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	20	0.83
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	20	0.83
(1,1648)	1:352:A:GLN:HA	1:352:A:GLN:HB3	15	0.83
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	3	0.83
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	2	0.83
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	7	0.83
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	11	0.83
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	5	0.83
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	10	0.83
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	20	0.83
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	4	0.83
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	6	0.83
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	8	0.83
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	12	0.83
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	14	0.83
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	17	0.83
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	3	0.83
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	4	0.83
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	9	0.83
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	16	0.83
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	4	0.83
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	4	0.83
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	4	0.83
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	11	0.83
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	11	0.83
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	11	0.83
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	20	0.83
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	20	0.83
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	20	0.83
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	19	0.83
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	8	0.83
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	2	0.83
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	9	0.83
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	1	0.83
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	18	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:435:A:LYS:HB2	1:435:A:LYS:HG3	19	0.83
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	7	0.83
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	15	0.83
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	17	0.83
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	19	0.83
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	4	0.83
(1,746)	1:426:A:GLN:HB3	1:426:A:GLN:HA	16	0.83
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	6	0.83
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	8	0.83
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	15	0.83
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	18	0.83
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	3	0.83
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	10	0.83
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	18	0.83
(1,569)	1:348:A:ASP:HB2	1:348:A:ASP:HA	5	0.83
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	11	0.83
(1,552)	1:365:A:GLU:HA	1:366:A:THR:H	12	0.83
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	2	0.83
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	9	0.83
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	11	0.83
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	14	0.83
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	8	0.83
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	8	0.83
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	14	0.83
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	14	0.83
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	19	0.83
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	19	0.83
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	16	0.83
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	3	0.83
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	6	0.83
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	13	0.83
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	7	0.83
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	1	0.83
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	8	0.83
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	12	0.83
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	13	0.83
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	17	0.83
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	20	0.83
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	1	0.83
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	4	0.83
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	6	0.83
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	7	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	17	0.83
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	19	0.83
(1,89)	1:373:A:PRO:HD2	1:372:A:LYS:HA	17	0.83
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	14	0.83
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	14	0.83
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	14	0.83
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	20	0.83
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	20	0.83
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	20	0.83
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	2	0.83
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	8	0.83
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	11	0.83
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	18	0.83
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	4	0.82
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	18	0.82
(1,4902)	1:429:A:TYR:H	1:428:A:GLU:HG3	1	0.82
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	9	0.82
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	9	0.82
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	5	0.82
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	10	0.82
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	11	0.82
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	19	0.82
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	9	0.82
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	10	0.82
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	12	0.82
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	17	0.82
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	6	0.82
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	3	0.82
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	3	0.82
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	3	0.82
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	18	0.82
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	18	0.82
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	18	0.82
(1,4326)	1:397:A:ASN:HD21	1:397:A:ASN:HA	7	0.82
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	20	0.82
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	10	0.82
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	3	0.82
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	6	0.82
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	9	0.82
(1,3975)	1:441:A:GLY:H	1:440:A:HIS:HA	17	0.82
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	4	0.82
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	1	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	4	0.82
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	16	0.82
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	1	0.82
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	1	0.82
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	3	0.82
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	3	0.82
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	4	0.82
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	4	0.82
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	6	0.82
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	6	0.82
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	8	0.82
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	8	0.82
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	10	0.82
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	10	0.82
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	14	0.82
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	14	0.82
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	16	0.82
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	16	0.82
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	17	0.82
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	17	0.82
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	18	0.82
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	18	0.82
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	19	0.82
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	19	0.82
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	20	0.82
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	20	0.82
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	13	0.82
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	13	0.82
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	13	0.82
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	13	0.82
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	13	0.82
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	13	0.82
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	6	0.82
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	20	0.82
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	9	0.82
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	9	0.82
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	1	0.82
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	1	0.82
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	1	0.82
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	8	0.82
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	8	0.82
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	8	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	11	0.82
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	11	0.82
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	11	0.82
(1,3557)	1:344:A:TYR:HD1	1:345:A:ILE:HB	1	0.82
(1,3557)	1:344:A:TYR:HD2	1:345:A:ILE:HB	1	0.82
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	15	0.82
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	15	0.82
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	15	0.82
(1,3419)	1:422:A:ASP:HA	1:423:A:SER:HB3	4	0.82
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	11	0.82
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	4	0.82
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	8	0.82
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	14	0.82
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	14	0.82
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	17	0.82
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	17	0.82
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	2	0.82
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	6	0.82
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	18	0.82
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	7	0.82
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	7	0.82
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	7	0.82
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	3	0.82
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	5	0.82
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	11	0.82
(1,3097)	1:437:A:ARG:HB2	1:437:A:ARG:H	13	0.82
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	2	0.82
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	2	0.82
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	2	0.82
(1,3091)	1:363:A:ALA:HB1	1:356:A:TYR:HB3	12	0.82
(1,3091)	1:363:A:ALA:HB2	1:356:A:TYR:HB3	12	0.82
(1,3091)	1:363:A:ALA:HB3	1:356:A:TYR:HB3	12	0.82
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	2	0.82
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	12	0.82
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	5	0.82
(1,2855)	1:448:A:SER:HB2	1:448:A:SER:H	7	0.82
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	8	0.82
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	11	0.82
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	17	0.82
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	19	0.82
(1,2804)	1:408:A:ASN:HB2	1:409:A:TYR:H	2	0.82
(1,2804)	1:408:A:ASN:HB2	1:409:A:TYR:H	6	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	8	0.82
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	17	0.82
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	18	0.82
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	3	0.82
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	5	0.82
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	7	0.82
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	11	0.82
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	13	0.82
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	14	0.82
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	1	0.82
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	2	0.82
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	6	0.82
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	8	0.82
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	15	0.82
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	20	0.82
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	3	0.82
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	16	0.82
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	7	0.82
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	15	0.82
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	1	0.82
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	3	0.82
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	4	0.82
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	5	0.82
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	1	0.82
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	1	0.82
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	1	0.82
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	15	0.82
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	15	0.82
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	15	0.82
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	12	0.82
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	15	0.82
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	3	0.82
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	4	0.82
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	5	0.82
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	12	0.82
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	13	0.82
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	17	0.82
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	4	0.82
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	6	0.82
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	18	0.82
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	5	0.82
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	7	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	16	0.82
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	7	0.82
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	14	0.82
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	20	0.82
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	14	0.82
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	2	0.82
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	6	0.82
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	7	0.82
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	9	0.82
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	14	0.82
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	15	0.82
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	1	0.82
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	7	0.82
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	7	0.82
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	7	0.82
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	8	0.82
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	8	0.82
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	8	0.82
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	13	0.82
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	13	0.82
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	13	0.82
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	2	0.82
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	14	0.82
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	15	0.82
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	19	0.82
(1,1838)	1:429:A:TYR:HA	1:430:A:GLY:H	20	0.82
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	4	0.82
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	9	0.82
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	12	0.82
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	13	0.82
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	16	0.82
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	18	0.82
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	19	0.82
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	20	0.82
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	2	0.82
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	2	0.82
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	2	0.82
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	5	0.82
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	5	0.82
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	5	0.82
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	6	0.82
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	6	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	6	0.82
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	13	0.82
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	13	0.82
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	13	0.82
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	14	0.82
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	14	0.82
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	14	0.82
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	16	0.82
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	16	0.82
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	16	0.82
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	17	0.82
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	17	0.82
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	17	0.82
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	20	0.82
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	10	0.82
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	10	0.82
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	10	0.82
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	16	0.82
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	19	0.82
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	11	0.82
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	7	0.82
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	15	0.82
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	20	0.82
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	15	0.82
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	7	0.82
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	10	0.82
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	13	0.82
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	14	0.82
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	2	0.82
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	2	0.82
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	2	0.82
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	13	0.82
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	13	0.82
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	13	0.82
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	17	0.82
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	17	0.82
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	17	0.82
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	12	0.82
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	15	0.82
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG11	15	0.82
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG12	15	0.82
(1,991)	1:448:A:SER:HB3	1:449:A:VAL:HG13	15	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,965)	1:450:A:MET:HB3	1:451:A:LYS:H	18	0.82
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	1	0.82
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	1	0.82
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	4	0.82
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	1	0.82
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	1	0.82
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	1	0.82
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	14	0.82
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	13	0.82
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	2	0.82
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	12	0.82
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	14	0.82
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	17	0.82
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	19	0.82
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	3	0.82
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	4	0.82
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	8	0.82
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	10	0.82
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	13	0.82
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	16	0.82
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	17	0.82
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	3	0.82
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	17	0.82
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	17	0.82
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	5	0.82
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	4	0.82
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	6	0.82
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	6	0.82
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	6	0.82
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	2	0.82
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	3	0.82
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	4	0.82
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	9	0.82
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	11	0.82
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	15	0.82
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	9	0.82
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	19	0.82
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	2	0.82
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	3	0.82
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	20	0.82
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	7	0.82
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	14	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,61)	1:364:A:LEU:HA	1:365:A:GLU:HB2	17	0.82
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	10	0.81
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	16	0.81
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	19	0.81
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	3	0.81
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	7	0.81
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	8	0.81
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	15	0.81
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	1	0.81
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	8	0.81
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	14	0.81
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	16	0.81
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	19	0.81
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	7	0.81
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	7	0.81
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	7	0.81
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	16	0.81
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	16	0.81
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	16	0.81
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	19	0.81
(1,4326)	1:397:A:ASN:HD21	1:397:A:ASN:HA	10	0.81
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	10	0.81
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	6	0.81
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	6	0.81
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	6	0.81
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	1	0.81
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	2	0.81
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	8	0.81
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	11	0.81
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	15	0.81
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	20	0.81
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	13	0.81
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	10	0.81
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	19	0.81
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	5	0.81
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	11	0.81
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	17	0.81
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	18	0.81
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	18	0.81
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	2	0.81
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	2	0.81
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	15	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	15	0.81
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	15	0.81
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	15	0.81
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	15	0.81
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	15	0.81
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	6	0.81
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	6	0.81
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	6	0.81
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	3	0.81
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	10	0.81
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	11	0.81
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	13	0.81
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	17	0.81
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	18	0.81
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	10	0.81
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	10	0.81
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	10	0.81
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG21	13	0.81
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG22	13	0.81
(1,3596)	1:382:A:PHE:HZ	1:465:A:VAL:HG23	13	0.81
(1,3419)	1:422:A:ASP:HA	1:423:A:SER:HB3	7	0.81
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	9	0.81
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	1	0.81
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	7	0.81
(1,3336)	1:367:A:ASP:HB2	1:367:A:ASP:HA	11	0.81
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	19	0.81
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	19	0.81
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	19	0.81
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	3	0.81
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	3	0.81
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	11	0.81
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	13	0.81
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	17	0.81
(1,3159)	1:358:A:LYS:HG3	1:359:A:ASP:H	2	0.81
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	19	0.81
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	5	0.81
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	9	0.81
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	1	0.81
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	4	0.81
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	13	0.81
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	16	0.81
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	18	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	20	0.81
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	6	0.81
(1,2830)	1:448:A:SER:HB2	1:449:A:VAL:H	13	0.81
(1,2830)	1:448:A:SER:HB2	1:449:A:VAL:H	19	0.81
(1,2768)	1:346:A:GLU:HG3	1:346:A:GLU:HA	17	0.81
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	19	0.81
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	10	0.81
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	1	0.81
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	1	0.81
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	1	0.81
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	1	0.81
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	1	0.81
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	1	0.81
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	4	0.81
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	16	0.81
(1,2670)	1:386:A:ASN:HA	1:387:A:LYS:HB2	3	0.81
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	2	0.81
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	5	0.81
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	17	0.81
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	18	0.81
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	19	0.81
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	2	0.81
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	3	0.81
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	5	0.81
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	7	0.81
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	9	0.81
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	12	0.81
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	13	0.81
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	14	0.81
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	16	0.81
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	18	0.81
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	19	0.81
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	2	0.81
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	4	0.81
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	5	0.81
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	7	0.81
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	8	0.81
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	9	0.81
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	10	0.81
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	12	0.81
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	13	0.81
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	15	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	17	0.81
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	18	0.81
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	19	0.81
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	20	0.81
(1,2518)	1:463:A:VAL:HB	1:463:A:VAL:H	5	0.81
(1,2518)	1:463:A:VAL:HB	1:463:A:VAL:H	9	0.81
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	13	0.81
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	14	0.81
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	2	0.81
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	7	0.81
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	9	0.81
(1,2434)	1:399:A:ASP:HB2	1:399:A:ASP:H	17	0.81
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	6	0.81
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	6	0.81
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	6	0.81
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	16	0.81
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	16	0.81
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	16	0.81
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	18	0.81
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	18	0.81
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	18	0.81
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	1	0.81
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	2	0.81
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	9	0.81
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	11	0.81
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	2	0.81
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	6	0.81
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	7	0.81
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	8	0.81
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	9	0.81
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	11	0.81
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	14	0.81
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	15	0.81
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	18	0.81
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	19	0.81
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	20	0.81
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	17	0.81
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	7	0.81
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	8	0.81
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	11	0.81
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	20	0.81
(1,2153)	1:349:A:LEU:HD21	1:370:A:SER:HG	15	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2153)	1:349:A:LEU:HD22	1:370:A:SER:HG	15	0.81
(1,2153)	1:349:A:LEU:HD23	1:370:A:SER:HG	15	0.81
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	6	0.81
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	9	0.81
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	7	0.81
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	7	0.81
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	2	0.81
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	3	0.81
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	12	0.81
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	8	0.81
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	4	0.81
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	13	0.81
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	15	0.81
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	18	0.81
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	1	0.81
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	6	0.81
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	15	0.81
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	10	0.81
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	18	0.81
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	13	0.81
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	16	0.81
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	9	0.81
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	9	0.81
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	9	0.81
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	13	0.81
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	13	0.81
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	13	0.81
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	13	0.81
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	1	0.81
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	1	0.81
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	1	0.81
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	5	0.81
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	5	0.81
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	5	0.81
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	10	0.81
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	10	0.81
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	10	0.81
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	14	0.81
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	14	0.81
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	14	0.81
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	15	0.81
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	15	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	15	0.81
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	9	0.81
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	9	0.81
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	9	0.81
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	11	0.81
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	11	0.81
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	11	0.81
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	18	0.81
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	18	0.81
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	18	0.81
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	10	0.81
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	11	0.81
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	1	0.81
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	5	0.81
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	8	0.81
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	14	0.81
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD21	9	0.81
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD22	9	0.81
(1,1698)	1:349:A:LEU:HB2	1:349:A:LEU:HD23	9	0.81
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	17	0.81
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	13	0.81
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	2	0.81
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	2	0.81
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	2	0.81
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	8	0.81
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	9	0.81
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	15	0.81
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	20	0.81
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	2	0.81
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	3	0.81
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	14	0.81
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	3	0.81
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	5	0.81
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	9	0.81
(1,1291)	1:435:A:LYS:HB3	1:435:A:LYS:HA	16	0.81
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	2	0.81
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	3	0.81
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	4	0.81
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	8	0.81
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	1	0.81
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	2	0.81
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	17	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	2	0.81
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	6	0.81
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	7	0.81
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	19	0.81
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	5	0.81
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	6	0.81
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	7	0.81
(1,1005)	1:358:A:LYS:HE3	1:358:A:LYS:HB2	3	0.81
(1,1002)	1:414:A:ASP:HB2	1:414:A:ASP:HA	18	0.81
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	5	0.81
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	15	0.81
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	2	0.81
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	11	0.81
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	1	0.81
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	4	0.81
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	1	0.81
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	6	0.81
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	20	0.81
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	7	0.81
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	6	0.81
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	6	0.81
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	10	0.81
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	10	0.81
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	8	0.81
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	1	0.81
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	13	0.81
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	7	0.81
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	10	0.81
(1,201)	1:415:A:TRP:HB3	1:415:A:TRP:HD1	16	0.81
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	1	0.81
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	2	0.81
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	4	0.81
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	7	0.81
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	8	0.81
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	10	0.81
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	11	0.81
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	14	0.81
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	17	0.81
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	18	0.81
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	19	0.81
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	20	0.81
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	5	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	1	0.81
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	4	0.81
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	12	0.81
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	19	0.81
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	4	0.81
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	4	0.81
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	4	0.81
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	7	0.81
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	7	0.81
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	7	0.81
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	6	0.81
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	14	0.8
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	5	0.8
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	1	0.8
(1,4902)	1:429:A:TYR:H	1:428:A:GLU:HG3	4	0.8
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	18	0.8
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	2	0.8
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	12	0.8
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	5	0.8
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	19	0.8
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	19	0.8
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	19	0.8
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	6	0.8
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	10	0.8
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	14	0.8
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	16	0.8
(1,4509)	1:461:A:THR:H	1:384:A:VAL:HB	10	0.8
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	9	0.8
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	9	0.8
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	9	0.8
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	14	0.8
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	14	0.8
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	14	0.8
(1,4326)	1:397:A:ASN:HD21	1:397:A:ASN:HA	11	0.8
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	7	0.8
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	17	0.8
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	18	0.8
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	14	0.8
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	7	0.8
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	11	0.8
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	19	0.8
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	15	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	5	0.8
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	13	0.8
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	13	0.8
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	13	0.8
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	1	0.8
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	1	0.8
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	3	0.8
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	3	0.8
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	4	0.8
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	4	0.8
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	10	0.8
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	10	0.8
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	14	0.8
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	14	0.8
(1,3823)	1:466:A:PHE:HE1	1:466:A:PHE:HA	12	0.8
(1,3823)	1:466:A:PHE:HE2	1:466:A:PHE:HA	12	0.8
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	6	0.8
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	6	0.8
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	8	0.8
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	8	0.8
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	8	0.8
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	8	0.8
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	8	0.8
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	8	0.8
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	19	0.8
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	19	0.8
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	19	0.8
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	19	0.8
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	19	0.8
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	19	0.8
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG11	20	0.8
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG12	20	0.8
(1,3780)	1:356:A:TYR:HD1	1:457:A:VAL:HG13	20	0.8
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG11	20	0.8
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG12	20	0.8
(1,3780)	1:356:A:TYR:HD2	1:457:A:VAL:HG13	20	0.8
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	15	0.8
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	15	0.8
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	15	0.8
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	4	0.8
(1,3649)	1:415:A:TRP:HZ3	1:414:A:ASP:HB3	8	0.8
(1,3434)	1:369:A:VAL:HG11	1:426:A:GLN:HE22	18	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3434)	1:369:A:VAL:HG12	1:426:A:GLN:HE22	18	0.8
(1,3434)	1:369:A:VAL:HG13	1:426:A:GLN:HE22	18	0.8
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	3	0.8
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	17	0.8
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	17	0.8
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	17	0.8
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	5	0.8
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	5	0.8
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	1	0.8
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	14	0.8
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	3	0.8
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	15	0.8
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	18	0.8
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	6	0.8
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	11	0.8
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	17	0.8
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	18	0.8
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	20	0.8
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	6	0.8
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	11	0.8
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	12	0.8
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	18	0.8
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	2	0.8
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	3	0.8
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	6	0.8
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	7	0.8
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	9	0.8
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	10	0.8
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	11	0.8
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	13	0.8
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	14	0.8
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	15	0.8
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	18	0.8
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	19	0.8
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	20	0.8
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	1	0.8
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	13	0.8
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	14	0.8
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	6	0.8
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	6	0.8
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	6	0.8
(1,2804)	1:408:A:ASN:HB2	1:409:A:TYR:H	8	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	12	0.8
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	19	0.8
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	2	0.8
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	8	0.8
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	10	0.8
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	16	0.8
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	19	0.8
(1,2718)	1:340:A:MET:HB3	1:341:A:GLU:H	4	0.8
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	4	0.8
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	8	0.8
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	6	0.8
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	6	0.8
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	6	0.8
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	4	0.8
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	11	0.8
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	13	0.8
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	16	0.8
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	1	0.8
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	1	0.8
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	1	0.8
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	14	0.8
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	14	0.8
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	14	0.8
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	1	0.8
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	4	0.8
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	10	0.8
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	11	0.8
(1,2607)	1:373:A:PRO:HG2	1:373:A:PRO:HB2	17	0.8
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	1	0.8
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	14	0.8
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	1	0.8
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	14	0.8
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	4	0.8
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	8	0.8
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	18	0.8
(1,2518)	1:463:A:VAL:HB	1:463:A:VAL:H	2	0.8
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	17	0.8
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	20	0.8
(1,2434)	1:399:A:ASP:HB2	1:399:A:ASP:H	1	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	3	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	3	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	3	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	8	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	8	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	8	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	9	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	9	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	9	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	14	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	14	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	14	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	19	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	19	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	19	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	20	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	20	0.8
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	20	0.8
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	14	0.8
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	18	0.8
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	19	0.8
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	19	0.8
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	19	0.8
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	19	0.8
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	19	0.8
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	19	0.8
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	19	0.8
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	19	0.8
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	19	0.8
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	1	0.8
(1,2346)	1:368:A:ILE:HB	1:368:A:ILE:HA	16	0.8
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	1	0.8
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	16	0.8
(1,2291)	1:407:A:VAL:HA	1:408:A:ASN:HB2	3	0.8
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	2	0.8
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	17	0.8
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	1	0.8
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	4	0.8
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	18	0.8
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	2	0.8
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	12	0.8
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	13	0.8
(1,2153)	1:349:A:LEU:HD21	1:370:A:SER:HG	4	0.8
(1,2153)	1:349:A:LEU:HD22	1:370:A:SER:HG	4	0.8
(1,2153)	1:349:A:LEU:HD23	1:370:A:SER:HG	4	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	18	0.8
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	19	0.8
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	2	0.8
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	3	0.8
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	4	0.8
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	7	0.8
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	9	0.8
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	11	0.8
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	13	0.8
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	16	0.8
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	19	0.8
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	20	0.8
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	3	0.8
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	5	0.8
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	8	0.8
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	11	0.8
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	17	0.8
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	19	0.8
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	20	0.8
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	5	0.8
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	5	0.8
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	5	0.8
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	5	0.8
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	5	0.8
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	5	0.8
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	5	0.8
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	5	0.8
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	5	0.8
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	16	0.8
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	16	0.8
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	16	0.8
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	16	0.8
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	16	0.8
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	16	0.8
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	16	0.8
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	16	0.8
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	16	0.8
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	16	0.8
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	2	0.8
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	4	0.8
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	5	0.8
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	19	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	20	0.8
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	4	0.8
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	4	0.8
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	4	0.8
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	11	0.8
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	13	0.8
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	9	0.8
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	18	0.8
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	4	0.8
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	4	0.8
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	4	0.8
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	17	0.8
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	17	0.8
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	17	0.8
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	10	0.8
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	19	0.8
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	19	0.8
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	19	0.8
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	20	0.8
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	20	0.8
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	20	0.8
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	15	0.8
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	15	0.8
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	15	0.8
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	12	0.8
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	12	0.8
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	12	0.8
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	3	0.8
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	4	0.8
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	8	0.8
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	19	0.8
(1,1814)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	14	0.8
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	13	0.8
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	3	0.8
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	7	0.8
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	11	0.8
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	5	0.8
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	5	0.8
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	5	0.8
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	18	0.8
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	18	0.8
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	18	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	20	0.8
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	20	0.8
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	20	0.8
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	6	0.8
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	13	0.8
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	16	0.8
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	1	0.8
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	13	0.8
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	16	0.8
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	7	0.8
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	1	0.8
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	18	0.8
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	19	0.8
(1,1176)	1:454:A:PHE:HB2	1:454:A:PHE:HA	6	0.8
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	4	0.8
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	4	0.8
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	4	0.8
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	5	0.8
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	5	0.8
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	5	0.8
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	6	0.8
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	6	0.8
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	6	0.8
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	9	0.8
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	9	0.8
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	9	0.8
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	19	0.8
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	19	0.8
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	19	0.8
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	2	0.8
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	6	0.8
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	3	0.8
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	1	0.8
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	3	0.8
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	9	0.8
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	11	0.8
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	13	0.8
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	16	0.8
(1,1007)	1:459:A:LYS:HB3	1:460:A:GLY:H	3	0.8
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	2	0.8
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	2	0.8
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	2	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	6	0.8
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	6	0.8
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	6	0.8
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	7	0.8
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	7	0.8
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	7	0.8
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	10	0.8
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	10	0.8
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	10	0.8
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	11	0.8
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	11	0.8
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	11	0.8
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	12	0.8
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	12	0.8
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	12	0.8
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	3	0.8
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	4	0.8
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	8	0.8
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	9	0.8
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	11	0.8
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	12	0.8
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	13	0.8
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	16	0.8
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	17	0.8
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	19	0.8
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	10	0.8
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	3	0.8
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	5	0.8
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	6	0.8
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	5	0.8
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	5	0.8
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	7	0.8
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	7	0.8
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	5	0.8
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	9	0.8
(1,719)	1:352:A:GLN:HG2	1:352:A:GLN:H	16	0.8
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	4	0.8
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	10	0.8
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	8	0.8
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	13	0.8
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	3	0.8
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	3	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	18	0.8
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	18	0.8
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	20	0.8
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	20	0.8
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	13	0.8
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	16	0.8
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	2	0.8
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	11	0.8
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	18	0.8
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	1	0.8
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	1	0.8
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	1	0.8
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	14	0.8
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	14	0.8
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	14	0.8
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	15	0.8
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	12	0.8
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	12	0.8
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	12	0.8
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	3	0.8
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	5	0.8
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	6	0.8
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	9	0.8
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	12	0.8
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	13	0.8
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	15	0.8
(1,153)	1:353:A:HIS:HB3	1:353:A:HIS:HA	16	0.8
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	16	0.8
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	11	0.8
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	6	0.8
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	6	0.8
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	6	0.8
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	2	0.8
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	11	0.8
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	14	0.8
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	2	0.79
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	15	0.79
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	12	0.79
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	12	0.79
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	12	0.79
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	6	0.79
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	12	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	15	0.79
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	4	0.79
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	5	0.79
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	16	0.79
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	6	0.79
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	14	0.79
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	16	0.79
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	2	0.79
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	6	0.79
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	11	0.79
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	18	0.79
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	20	0.79
(1,4594)	1:456:A:MET:H	1:457:A:VAL:HB	6	0.79
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	1	0.79
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	1	0.79
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	1	0.79
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	2	0.79
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	2	0.79
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	2	0.79
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	9	0.79
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	9	0.79
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	9	0.79
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	3	0.79
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	12	0.79
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	1	0.79
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	1	0.79
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	1	0.79
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	4	0.79
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	4	0.79
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	4	0.79
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	8	0.79
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	8	0.79
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	8	0.79
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	18	0.79
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	18	0.79
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	18	0.79
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	6	0.79
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	8	0.79
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	8	0.79
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	8	0.79
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	11	0.79
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	11	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	11	0.79
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	4	0.79
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	4	0.79
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	4	0.79
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	11	0.79
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	11	0.79
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	11	0.79
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	20	0.79
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	20	0.79
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	20	0.79
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	2	0.79
(1,4097)	1:425:A:TRP:HE1	1:423:A:SER:HB3	18	0.79
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	5	0.79
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	10	0.79
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	7	0.79
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	12	0.79
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	14	0.79
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	18	0.79
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	8	0.79
(1,3953)	1:342:A:ASP:H	1:343:A:THR:H	13	0.79
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	2	0.79
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	2	0.79
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	6	0.79
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	6	0.79
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	9	0.79
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	9	0.79
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	11	0.79
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	11	0.79
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	16	0.79
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	16	0.79
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	17	0.79
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	17	0.79
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	19	0.79
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	19	0.79
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	20	0.79
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	20	0.79
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	8	0.79
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	13	0.79
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	13	0.79
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	13	0.79
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	4	0.79
(1,3693)	1:440:A:HIS:HD2	1:375:A:THR:HB	10	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	3	0.79
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	3	0.79
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	3	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	1	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	1	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	1	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	2	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	2	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	2	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	3	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	3	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	3	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	4	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	4	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	4	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	5	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	5	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	5	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	6	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	6	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	6	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	7	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	7	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	7	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	8	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	8	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	8	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	9	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	9	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	9	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	10	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	10	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	10	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	11	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	11	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	11	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	12	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	12	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	12	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	13	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	13	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	13	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	14	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	14	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	14	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	15	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	15	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	15	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	17	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	17	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	17	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	18	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	18	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	18	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	19	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	19	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	19	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	20	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	20	0.79
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	20	0.79
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	6	0.79
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	12	0.79
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	15	0.79
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	3	0.79
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	7	0.79
(1,3337)	1:394:A:LYS:HB3	1:395:A:GLY:H	12	0.79
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	8	0.79
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	8	0.79
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	8	0.79
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD1	1	0.79
(1,3274)	1:454:A:PHE:HB3	1:454:A:PHE:HD2	1	0.79
(1,3259)	1:451:A:LYS:HD3	1:451:A:LYS:H	8	0.79
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	4	0.79
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	4	0.79
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	4	0.79
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	1	0.79
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	2	0.79
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	4	0.79
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	6	0.79
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	7	0.79
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	8	0.79
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	10	0.79
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	12	0.79
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	13	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	14	0.79
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	16	0.79
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	20	0.79
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	2	0.79
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	4	0.79
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	8	0.79
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	10	0.79
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	13	0.79
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	19	0.79
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	19	0.79
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	1	0.79
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	3	0.79
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	10	0.79
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	14	0.79
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	17	0.79
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	19	0.79
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	5	0.79
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	12	0.79
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	7	0.79
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	4	0.79
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	5	0.79
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	12	0.79
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	15	0.79
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	12	0.79
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	12	0.79
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	12	0.79
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	5	0.79
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	5	0.79
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	5	0.79
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	7	0.79
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	14	0.79
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	2	0.79
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	7	0.79
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	15	0.79
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	1	0.79
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	16	0.79
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	12	0.79
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	12	0.79
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	12	0.79
(1,2670)	1:386:A:ASN:HA	1:387:A:LYS:HB2	7	0.79
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	7	0.79
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	14	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	9	0.79
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	9	0.79
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	9	0.79
(1,2535)	1:438:A:GLY:HA2	1:439:A:SER:H	6	0.79
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	3	0.79
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	2	0.79
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	4	0.79
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	8	0.79
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	1	0.79
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	17	0.79
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	18	0.79
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	9	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	2	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	2	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	2	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	4	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	4	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	4	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	5	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	5	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	5	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	7	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	7	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	7	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	11	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	11	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	11	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	13	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	13	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	13	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	17	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	17	0.79
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	17	0.79
(1,2419)	1:387:A:LYS:HG3	1:387:A:LYS:H	15	0.79
(1,2418)	1:450:A:MET:HA	1:451:A:LYS:HB2	19	0.79
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	15	0.79
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	2	0.79
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	5	0.79
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	7	0.79
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	9	0.79
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	10	0.79
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	11	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	13	0.79
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	2	0.79
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	3	0.79
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	8	0.79
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	9	0.79
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	10	0.79
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	11	0.79
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	13	0.79
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	15	0.79
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	19	0.79
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	20	0.79
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	16	0.79
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	5	0.79
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	6	0.79
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	14	0.79
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	19	0.79
(1,2166)	1:361:A:LYS:HB3	1:361:A:LYS:HD3	12	0.79
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	8	0.79
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	10	0.79
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	18	0.79
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	1	0.79
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	14	0.79
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	17	0.79
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	18	0.79
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	16	0.79
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	9	0.79
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	12	0.79
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	14	0.79
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	8	0.79
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	9	0.79
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	12	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	4	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	4	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	4	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	4	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	4	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	4	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	4	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	4	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	4	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	6	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	6	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	6	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	6	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	6	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	6	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	6	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	6	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	6	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	9	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	9	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	9	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	9	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	9	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	9	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	9	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	9	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	9	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	10	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	10	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	10	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	10	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	10	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	10	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	10	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	10	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	10	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	11	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	11	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	11	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	11	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	11	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	11	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	11	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	11	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	11	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	13	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	13	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	13	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	13	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	13	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	13	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	13	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	13	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	13	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	18	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	18	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	18	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	18	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	18	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	18	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	18	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	18	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	18	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	19	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	19	0.79
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	19	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	19	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	19	0.79
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	19	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	19	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	19	0.79
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	19	0.79
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	2	0.79
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	3	0.79
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	4	0.79
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	6	0.79
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	11	0.79
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	17	0.79
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	19	0.79
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	8	0.79
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	17	0.79
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	5	0.79
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	9	0.79
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	17	0.79
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	20	0.79
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	16	0.79
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	16	0.79
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	16	0.79
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	3	0.79
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	19	0.79
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	6	0.79
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	6	0.79
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	6	0.79
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	20	0.79
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	11	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	16	0.79
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	16	0.79
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	16	0.79
(1,1815)	1:352:A:GLN:HB2	1:352:A:GLN:HG3	18	0.79
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	10	0.79
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	10	0.79
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	10	0.79
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	12	0.79
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	12	0.79
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	12	0.79
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	2	0.79
(1,1709)	1:383:A:TYR:HA	1:384:A:VAL:H	6	0.79
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	14	0.79
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	14	0.79
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	14	0.79
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	17	0.79
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	2	0.79
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	9	0.79
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	1	0.79
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	1	0.79
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	1	0.79
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	1	0.79
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	3	0.79
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	5	0.79
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	12	0.79
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	17	0.79
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	7	0.79
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	2	0.79
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	9	0.79
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	10	0.79
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	11	0.79
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	17	0.79
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	20	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	1	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	1	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	1	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	2	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	2	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	2	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	3	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	3	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	3	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	7	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	7	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	7	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	8	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	8	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	8	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	10	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	10	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	10	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	11	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	11	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	11	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	12	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	12	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	12	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	13	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	13	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	13	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	14	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	14	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	14	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	15	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	15	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	15	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	16	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	16	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	16	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	17	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	17	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	17	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	18	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	18	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	18	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	19	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	19	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	19	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD11	20	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD12	20	0.79
(1,1128)	1:364:A:LEU:HG	1:364:A:LEU:HD13	20	0.79
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	3	0.79
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	3	0.79
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	3	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	6	0.79
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	6	0.79
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	6	0.79
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	8	0.79
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	8	0.79
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	8	0.79
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	3	0.79
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	3	0.79
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	3	0.79
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	8	0.79
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	8	0.79
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	8	0.79
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	1	0.79
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	7	0.79
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	5	0.79
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	18	0.79
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	20	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	1	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	1	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	1	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	3	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	3	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	3	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	4	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	4	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	4	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	5	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	5	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	5	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	8	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	8	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	8	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	9	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	9	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	9	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	13	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	13	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	13	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	14	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	14	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	14	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	15	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	15	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	15	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	16	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	16	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	16	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	17	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	17	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	17	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	19	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	19	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	19	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	20	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	20	0.79
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	20	0.79
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	8	0.79
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	14	0.79
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	16	0.79
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	1	0.79
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	2	0.79
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	5	0.79
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	6	0.79
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	7	0.79
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	10	0.79
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	14	0.79
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	15	0.79
(1,926)	1:412:A:PRO:HG2	1:412:A:PRO:HD3	20	0.79
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	3	0.79
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	3	0.79
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	2	0.79
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	2	0.79
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	1	0.79
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	4	0.79
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	7	0.79
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	8	0.79
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	13	0.79
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	14	0.79
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	16	0.79
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	18	0.79
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	5	0.79
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	8	0.79
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	8	0.79
(1,769)	1:354:A:MET:HG2	1:354:A:MET:HA	16	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	3	0.79
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	13	0.79
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	17	0.79
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	8	0.79
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	11	0.79
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	13	0.79
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	14	0.79
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	16	0.79
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	19	0.79
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	20	0.79
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	4	0.79
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	16	0.79
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	19	0.79
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	2	0.79
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	4	0.79
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	12	0.79
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	20	0.79
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	1	0.79
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	1	0.79
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	1	0.79
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	4	0.79
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	10	0.79
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	18	0.79
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	4	0.79
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	5	0.79
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	7	0.79
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	8	0.79
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	9	0.79
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	10	0.79
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	14	0.79
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	15	0.79
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	17	0.79
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	20	0.79
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	1	0.79
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	9	0.79
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	9	0.79
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	9	0.79
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	4	0.79
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	9	0.79
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	10	0.79
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	10	0.79
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	15	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	18	0.79
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	5	0.79
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	5	0.79
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	5	0.79
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	16	0.79
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	16	0.79
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	16	0.79
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	18	0.78
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	13	0.78
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE1	4	0.78
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE2	4	0.78
(1,4890)	1:445:A:THR:H	1:423:A:SER:HB2	1	0.78
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	2	0.78
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	10	0.78
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	18	0.78
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	19	0.78
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	20	0.78
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	3	0.78
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	10	0.78
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	11	0.78
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	13	0.78
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	17	0.78
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	1	0.78
(1,4566)	1:407:A:VAL:H	1:407:A:VAL:HB	5	0.78
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	12	0.78
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	12	0.78
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	12	0.78
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	8	0.78
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	13	0.78
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	15	0.78
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	3	0.78
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	3	0.78
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	3	0.78
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	17	0.78
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	17	0.78
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	17	0.78
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	17	0.78
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	17	0.78
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	17	0.78
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	13	0.78
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	10	0.78
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	17	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	1	0.78
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	18	0.78
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	2	0.78
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	2	0.78
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	3	0.78
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	6	0.78
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	8	0.78
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	13	0.78
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	16	0.78
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	18	0.78
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	19	0.78
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	9	0.78
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	17	0.78
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	13	0.78
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	7	0.78
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	7	0.78
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	12	0.78
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	12	0.78
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	13	0.78
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	13	0.78
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	15	0.78
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	15	0.78
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	2	0.78
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	16	0.78
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	3	0.78
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	3	0.78
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	3	0.78
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	12	0.78
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	12	0.78
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	12	0.78
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	14	0.78
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD21	16	0.78
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD22	16	0.78
(1,3483)	1:393:A:LEU:HG	1:393:A:LEU:HD23	16	0.78
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	2	0.78
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	10	0.78
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	18	0.78
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	19	0.78
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	20	0.78
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	12	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	1	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	2	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	3	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	4	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	5	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	6	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	8	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	9	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	10	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	11	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	12	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	13	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	14	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	15	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	17	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	18	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	19	0.78
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	20	0.78
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	16	0.78
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	1	0.78
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	1	0.78
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	1	0.78
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	6	0.78
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	6	0.78
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	6	0.78
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	13	0.78
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	13	0.78
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	13	0.78
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	14	0.78
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	14	0.78
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	14	0.78
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	15	0.78
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	15	0.78
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	15	0.78
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	20	0.78
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	20	0.78
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	20	0.78
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	19	0.78
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	5	0.78
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	9	0.78
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	11	0.78
(1,3141)	1:430:A:GLY:HA2	1:430:A:GLY:H	17	0.78
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	3	0.78
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	6	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	7	0.78
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	14	0.78
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	15	0.78
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	2	0.78
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	4	0.78
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	5	0.78
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	9	0.78
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	17	0.78
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	8	0.78
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	15	0.78
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	3	0.78
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	5	0.78
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	16	0.78
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	19	0.78
(1,2855)	1:448:A:SER:HB2	1:448:A:SER:H	6	0.78
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	6	0.78
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	17	0.78
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	17	0.78
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	17	0.78
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	7	0.78
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	1	0.78
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	2	0.78
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	17	0.78
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	6	0.78
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	6	0.78
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	6	0.78
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	10	0.78
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	10	0.78
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	10	0.78
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	16	0.78
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	16	0.78
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	16	0.78
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	12	0.78
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	9	0.78
(1,2744)	1:364:A:LEU:HG	1:365:A:GLU:H	15	0.78
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	6	0.78
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	9	0.78
(1,2697)	1:403:A:TYR:HB2	1:404:A:GLU:H	3	0.78
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	17	0.78
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	17	0.78
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	17	0.78
(1,2670)	1:386:A:ASN:HA	1:387:A:LYS:HB2	5	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	3	0.78
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	20	0.78
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	4	0.78
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	4	0.78
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	4	0.78
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	18	0.78
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	18	0.78
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	18	0.78
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	2	0.78
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	5	0.78
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	9	0.78
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	11	0.78
(1,2536)	1:463:A:VAL:HB	1:463:A:VAL:HA	16	0.78
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	10	0.78
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	12	0.78
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	19	0.78
(1,2485)	1:457:A:VAL:HB	1:457:A:VAL:HA	6	0.78
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	5	0.78
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	13	0.78
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	14	0.78
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	6	0.78
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	6	0.78
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	6	0.78
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	7	0.78
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	10	0.78
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	10	0.78
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	10	0.78
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD11	12	0.78
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD12	12	0.78
(1,2422)	1:368:A:ILE:HB	1:368:A:ILE:HD13	12	0.78
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	2	0.78
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	12	0.78
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	18	0.78
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	3	0.78
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	14	0.78
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	18	0.78
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	10	0.78
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	15	0.78
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	9	0.78
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	20	0.78
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	1	0.78
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	6	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	12	0.78
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	6	0.78
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	14	0.78
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	16	0.78
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	17	0.78
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	4	0.78
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	2	0.78
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	6	0.78
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	9	0.78
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	12	0.78
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	15	0.78
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	17	0.78
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	19	0.78
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	20	0.78
(1,2141)	1:352:A:GLN:HG3	1:352:A:GLN:HB3	20	0.78
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	5	0.78
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	9	0.78
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	15	0.78
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	2	0.78
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	15	0.78
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	20	0.78
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	20	0.78
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	4	0.78
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	6	0.78
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	12	0.78
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	15	0.78
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	1	0.78
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	2	0.78
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	4	0.78
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	6	0.78
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	7	0.78
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	11	0.78
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	13	0.78
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	14	0.78
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	15	0.78
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	16	0.78
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	17	0.78
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	18	0.78
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	19	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	1	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	1	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	1	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	1	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	1	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	1	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	1	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	1	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	1	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	3	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	3	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	3	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	3	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	3	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	3	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	3	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	3	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	3	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	7	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	7	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	7	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	7	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	7	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	7	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	7	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	7	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	7	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	8	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	8	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	8	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	8	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	8	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	8	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	8	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	8	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	8	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	12	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	12	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	12	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	12	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	12	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	12	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	12	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	12	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	12	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	14	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	14	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	14	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	14	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	14	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	14	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	14	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	14	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	14	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	17	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	17	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	17	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	17	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	17	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	17	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	17	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	17	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	17	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	20	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	20	0.78
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	20	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	20	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	20	0.78
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	20	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	20	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	20	0.78
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	20	0.78
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	5	0.78
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	7	0.78
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	8	0.78
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	9	0.78
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	13	0.78
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	18	0.78
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	10	0.78
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	13	0.78
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	16	0.78
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	3	0.78
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	7	0.78
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	10	0.78
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	12	0.78
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	13	0.78
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	16	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	19	0.78
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	20	0.78
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	1	0.78
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	4	0.78
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	1	0.78
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	1	0.78
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	1	0.78
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	2	0.78
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	2	0.78
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	2	0.78
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	5	0.78
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	5	0.78
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	5	0.78
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	8	0.78
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	8	0.78
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	8	0.78
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	10	0.78
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	10	0.78
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	10	0.78
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	12	0.78
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	12	0.78
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	12	0.78
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	14	0.78
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	16	0.78
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	20	0.78
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	13	0.78
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	13	0.78
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	13	0.78
(1,1932)	1:453:A:LEU:HD11	1:356:A:TYR:HB2	16	0.78
(1,1932)	1:453:A:LEU:HD12	1:356:A:TYR:HB2	16	0.78
(1,1932)	1:453:A:LEU:HD13	1:356:A:TYR:HB2	16	0.78
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	18	0.78
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	7	0.78
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	7	0.78
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	7	0.78
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	5	0.78
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	5	0.78
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	5	0.78
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	6	0.78
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	6	0.78
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	6	0.78
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	14	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	14	0.78
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	14	0.78
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	9	0.78
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	19	0.78
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	3	0.78
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	1	0.78
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	2	0.78
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	3	0.78
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	4	0.78
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	7	0.78
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	8	0.78
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	11	0.78
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	13	0.78
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	16	0.78
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	19	0.78
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	20	0.78
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	9	0.78
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	3	0.78
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	3	0.78
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	3	0.78
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	7	0.78
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	7	0.78
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	7	0.78
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	4	0.78
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	4	0.78
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	5	0.78
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	6	0.78
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	13	0.78
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	14	0.78
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	16	0.78
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	1	0.78
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	1	0.78
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	1	0.78
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	1	0.78
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	10	0.78
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	10	0.78
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	10	0.78
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	1	0.78
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	4	0.78
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	8	0.78
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	11	0.78
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	15	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	17	0.78
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	19	0.78
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	17	0.78
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG11	18	0.78
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG12	18	0.78
(1,961)	1:369:A:VAL:HB	1:369:A:VAL:HG13	18	0.78
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	1	0.78
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	5	0.78
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	7	0.78
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	10	0.78
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	11	0.78
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	13	0.78
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	17	0.78
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	18	0.78
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	19	0.78
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	20	0.78
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	3	0.78
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	3	0.78
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	6	0.78
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	6	0.78
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD1	12	0.78
(1,879)	1:356:A:TYR:HB3	1:356:A:TYR:HD2	12	0.78
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	2	0.78
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	3	0.78
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	9	0.78
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	10	0.78
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	11	0.78
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	12	0.78
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	20	0.78
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	9	0.78
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	9	0.78
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	14	0.78
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	14	0.78
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	1	0.78
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	5	0.78
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	10	0.78
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	13	0.78
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	16	0.78
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	19	0.78
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	3	0.78
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	9	0.78
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	17	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	18	0.78
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	14	0.78
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	15	0.78
(1,572)	1:441:A:GLY:HA2	1:442:A:CYS:H	11	0.78
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	2	0.78
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	3	0.78
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	15	0.78
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	18	0.78
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	20	0.78
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	3	0.78
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	6	0.78
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	7	0.78
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	8	0.78
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	9	0.78
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	11	0.78
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	12	0.78
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	13	0.78
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	14	0.78
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	15	0.78
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	16	0.78
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	17	0.78
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	18	0.78
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	19	0.78
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	20	0.78
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	7	0.78
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	2	0.78
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	12	0.78
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	7	0.78
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	7	0.78
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	15	0.78
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	15	0.78
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	3	0.78
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	5	0.78
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	6	0.78
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	7	0.78
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	9	0.78
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	11	0.78
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	12	0.78
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	14	0.78
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	17	0.78
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	20	0.78
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	4	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	4	0.78
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	4	0.78
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	18	0.78
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	18	0.78
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	18	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	1	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	2	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	3	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	4	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	5	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	6	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	7	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	8	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	9	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	10	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	11	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	12	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	13	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	14	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	15	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	16	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	17	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	18	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	19	0.78
(1,356)	1:347:A:VAL:HA	1:347:A:VAL:HB	20	0.78
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	2	0.78
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	9	0.78
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	16	0.78
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	1	0.78
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	5	0.78
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	6	0.78
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	8	0.78
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	11	0.78
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	12	0.78
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	13	0.78
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	14	0.78
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	16	0.78
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	17	0.78
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	18	0.78
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	19	0.78
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	20	0.78
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	6	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	9	0.78
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	4	0.77
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	9	0.77
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	9	0.77
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	16	0.77
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	20	0.77
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	6	0.77
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	6	0.77
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	6	0.77
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	5	0.77
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	5	0.77
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	16	0.77
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	16	0.77
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	17	0.77
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	5	0.77
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	8	0.77
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	11	0.77
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	13	0.77
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	14	0.77
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	16	0.77
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	17	0.77
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	6	0.77
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	1	0.77
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	17	0.77
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	3	0.77
(1,4614)	1:386:A:ASN:HD21	1:386:A:ASN:HB3	7	0.77
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	4	0.77
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	4	0.77
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	4	0.77
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	6	0.77
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	6	0.77
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	6	0.77
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	7	0.77
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	7	0.77
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	7	0.77
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	2	0.77
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	2	0.77
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	2	0.77
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	13	0.77
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	13	0.77
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	13	0.77
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	19	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	19	0.77
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	19	0.77
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	20	0.77
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	20	0.77
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	20	0.77
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	1	0.77
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	1	0.77
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	1	0.77
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	7	0.77
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	7	0.77
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	7	0.77
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	1	0.77
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	5	0.77
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	9	0.77
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	11	0.77
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	4	0.77
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	20	0.77
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	9	0.77
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	16	0.77
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	20	0.77
(1,3842)	1:344:A:TYR:HE1	1:344:A:TYR:HB3	5	0.77
(1,3842)	1:344:A:TYR:HE2	1:344:A:TYR:HB3	5	0.77
(1,3765)	1:383:A:TYR:HE1	1:381:A:VAL:HG11	14	0.77
(1,3765)	1:383:A:TYR:HE1	1:381:A:VAL:HG12	14	0.77
(1,3765)	1:383:A:TYR:HE1	1:381:A:VAL:HG13	14	0.77
(1,3765)	1:383:A:TYR:HE2	1:381:A:VAL:HG11	14	0.77
(1,3765)	1:383:A:TYR:HE2	1:381:A:VAL:HG12	14	0.77
(1,3765)	1:383:A:TYR:HE2	1:381:A:VAL:HG13	14	0.77
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	18	0.77
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	18	0.77
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	18	0.77
(1,3649)	1:415:A:TRP:HZ3	1:414:A:ASP:HB3	10	0.77
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	5	0.77
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	5	0.77
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	5	0.77
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	5	0.77
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	5	0.77
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	5	0.77
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	17	0.77
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	17	0.77
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	17	0.77
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	5	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	8	0.77
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	11	0.77
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	13	0.77
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	14	0.77
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	16	0.77
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	17	0.77
(1,3419)	1:422:A:ASP:HA	1:423:A:SER:HB3	12	0.77
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	7	0.77
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	13	0.77
(1,3374)	1:385:A:TRP:HA	1:385:A:TRP:H	16	0.77
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	20	0.77
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	20	0.77
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	20	0.77
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	20	0.77
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	7	0.77
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	7	0.77
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	7	0.77
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	12	0.77
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	12	0.77
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	12	0.77
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	19	0.77
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	19	0.77
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	19	0.77
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	16	0.77
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	6	0.77
(1,3057)	1:346:A:GLU:HG2	1:346:A:GLU:HA	1	0.77
(1,3048)	1:464:A:LEU:HA	1:465:A:VAL:H	1	0.77
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	7	0.77
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	13	0.77
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	15	0.77
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	16	0.77
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	1	0.77
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	4	0.77
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	18	0.77
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	19	0.77
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	4	0.77
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	6	0.77
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	8	0.77
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	10	0.77
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	12	0.77
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	13	0.77
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	17	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	20	0.77
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	7	0.77
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	13	0.77
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	13	0.77
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	13	0.77
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	20	0.77
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	20	0.77
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	20	0.77
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	19	0.77
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	4	0.77
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	20	0.77
(1,2730)	1:463:A:VAL:HG11	1:464:A:LEU:H	2	0.77
(1,2730)	1:463:A:VAL:HG12	1:464:A:LEU:H	2	0.77
(1,2730)	1:463:A:VAL:HG13	1:464:A:LEU:H	2	0.77
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	1	0.77
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	3	0.77
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	9	0.77
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	12	0.77
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	20	0.77
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	4	0.77
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	13	0.77
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	14	0.77
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	13	0.77
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	13	0.77
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	13	0.77
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	20	0.77
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	20	0.77
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	20	0.77
(1,2670)	1:386:A:ASN:HA	1:387:A:LYS:HB2	2	0.77
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	6	0.77
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	9	0.77
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	10	0.77
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	8	0.77
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	8	0.77
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	8	0.77
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	11	0.77
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	11	0.77
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	11	0.77
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	13	0.77
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	13	0.77
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	13	0.77
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	7	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	13	0.77
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	13	0.77
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	1	0.77
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	15	0.77
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	3	0.77
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	3	0.77
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	3	0.77
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	8	0.77
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	8	0.77
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	8	0.77
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	10	0.77
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	10	0.77
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	10	0.77
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	12	0.77
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	12	0.77
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	12	0.77
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	15	0.77
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	15	0.77
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	15	0.77
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	4	0.77
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	8	0.77
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	10	0.77
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	16	0.77
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	20	0.77
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	5	0.77
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	8	0.77
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	13	0.77
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	1	0.77
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	2	0.77
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	3	0.77
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	4	0.77
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	5	0.77
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	8	0.77
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	9	0.77
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	10	0.77
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	12	0.77
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	13	0.77
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	14	0.77
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	15	0.77
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	16	0.77
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	17	0.77
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	19	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	20	0.77
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	1	0.77
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	7	0.77
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	12	0.77
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	16	0.77
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	18	0.77
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	2	0.77
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	4	0.77
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	6	0.77
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	9	0.77
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	12	0.77
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	14	0.77
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	17	0.77
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	18	0.77
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	6	0.77
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	1	0.77
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	15	0.77
(1,2246)	1:352:A:GLN:HB3	1:352:A:GLN:HG2	16	0.77
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	5	0.77
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	7	0.77
(1,2240)	1:357:A:TYR:HB3	1:357:A:TYR:HA	12	0.77
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	3	0.77
(1,2153)	1:349:A:LEU:HD21	1:370:A:SER:HG	3	0.77
(1,2153)	1:349:A:LEU:HD22	1:370:A:SER:HG	3	0.77
(1,2153)	1:349:A:LEU:HD23	1:370:A:SER:HG	3	0.77
(1,2153)	1:349:A:LEU:HD21	1:370:A:SER:HG	16	0.77
(1,2153)	1:349:A:LEU:HD22	1:370:A:SER:HG	16	0.77
(1,2153)	1:349:A:LEU:HD23	1:370:A:SER:HG	16	0.77
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	3	0.77
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	4	0.77
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	5	0.77
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	7	0.77
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	13	0.77
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	16	0.77
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	16	0.77
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	16	0.77
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	5	0.77
(1,2102)	1:406:A:PRO:HG3	1:407:A:VAL:H	10	0.77
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	16	0.77
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	1	0.77
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	3	0.77
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	5	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	10	0.77
(1,2055)	1:385:A:TRP:HB2	1:385:A:TRP:HA	20	0.77
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	2	0.77
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	2	0.77
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	2	0.77
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	2	0.77
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	2	0.77
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	2	0.77
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	2	0.77
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	2	0.77
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	2	0.77
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG21	15	0.77
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG22	15	0.77
(1,2051)	1:420:A:ILE:HD11	1:420:A:ILE:HG23	15	0.77
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG21	15	0.77
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG22	15	0.77
(1,2051)	1:420:A:ILE:HD12	1:420:A:ILE:HG23	15	0.77
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG21	15	0.77
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG22	15	0.77
(1,2051)	1:420:A:ILE:HD13	1:420:A:ILE:HG23	15	0.77
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	1	0.77
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	10	0.77
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	14	0.77
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	20	0.77
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	5	0.77
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	12	0.77
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	17	0.77
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	3	0.77
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	1	0.77
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	2	0.77
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	4	0.77
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	6	0.77
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	8	0.77
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	9	0.77
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	11	0.77
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	14	0.77
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	15	0.77
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	17	0.77
(1,1985)	1:447:A:PRO:HD3	1:447:A:PRO:HG3	18	0.77
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	2	0.77
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	9	0.77
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	11	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	19	0.77
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	19	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	1	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	2	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	3	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	4	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	5	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	6	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	7	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	8	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	9	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	10	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	11	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	12	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	13	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	14	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	15	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	16	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	17	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	18	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	19	0.77
(1,1945)	1:462:A:PRO:HG3	1:462:A:PRO:HG2	20	0.77
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	15	0.77
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	20	0.77
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	18	0.77
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	18	0.77
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	18	0.77
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	6	0.77
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	12	0.77
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	9	0.77
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	9	0.77
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	9	0.77
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	15	0.77
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	15	0.77
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	15	0.77
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	5	0.77
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	10	0.77
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	16	0.77
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	1	0.77
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	4	0.77
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	5	0.77
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	6	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	7	0.77
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	8	0.77
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	9	0.77
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	10	0.77
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	11	0.77
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	12	0.77
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	13	0.77
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	14	0.77
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	15	0.77
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	16	0.77
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	17	0.77
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	18	0.77
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	19	0.77
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	20	0.77
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	5	0.77
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	9	0.77
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	10	0.77
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	14	0.77
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	15	0.77
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	17	0.77
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	18	0.77
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	1	0.77
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	3	0.77
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	4	0.77
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	5	0.77
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	7	0.77
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	12	0.77
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	14	0.77
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	15	0.77
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	16	0.77
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	6	0.77
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	7	0.77
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	9	0.77
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	11	0.77
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	12	0.77
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	13	0.77
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	19	0.77
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	10	0.77
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	11	0.77
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	11	0.77
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	11	0.77
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	11	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	8	0.77
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	6	0.77
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	12	0.77
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	15	0.77
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	7	0.77
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	14	0.77
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	2	0.77
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	2	0.77
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	2	0.77
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	1	0.77
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	1	0.77
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	1	0.77
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	4	0.77
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	6	0.77
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	8	0.77
(1,1069)	1:399:A:ASP:HB3	1:398:A:ASP:HA	12	0.77
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	3	0.77
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	5	0.77
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	9	0.77
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	10	0.77
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	12	0.77
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	13	0.77
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	14	0.77
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	16	0.77
(1,1015)	1:354:A:MET:HG2	1:355:A:TRP:H	14	0.77
(1,1005)	1:358:A:LYS:HE3	1:358:A:LYS:HB2	2	0.77
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	4	0.77
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	9	0.77
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	15	0.77
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	17	0.77
(1,828)	1:443:A:ILE:HA	1:443:A:ILE:HG13	19	0.77
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	7	0.77
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	2	0.77
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	2	0.77
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	4	0.77
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	4	0.77
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	13	0.77
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	13	0.77
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	2	0.77
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	4	0.77
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	7	0.77
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	8	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	9	0.77
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	11	0.77
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	12	0.77
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	14	0.77
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	15	0.77
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	17	0.77
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	20	0.77
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	16	0.77
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	3	0.77
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	10	0.77
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	17	0.77
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	19	0.77
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	4	0.77
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	5	0.77
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	7	0.77
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	16	0.77
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	1	0.77
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	2	0.77
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	5	0.77
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	17	0.77
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	9	0.77
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	6	0.77
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	9	0.77
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	11	0.77
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	14	0.77
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	1	0.77
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	5	0.77
(1,519)	1:445:A:THR:HA	1:445:A:THR:H	10	0.77
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	12	0.77
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	1	0.77
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	2	0.77
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	7	0.77
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	12	0.77
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	15	0.77
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	17	0.77
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD1	13	0.77
(1,443)	1:382:A:PHE:HB3	1:382:A:PHE:HD2	13	0.77
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	15	0.77
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	12	0.77
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	19	0.77
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	4	0.77
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	6	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	8	0.77
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	8	0.77
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	8	0.77
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	8	0.77
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	11	0.77
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	11	0.77
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	11	0.77
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	13	0.77
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	13	0.77
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	13	0.77
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	10	0.77
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	13	0.77
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	8	0.77
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	1	0.77
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	15	0.77
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	17	0.77
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	20	0.77
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	2	0.77
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	3	0.77
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	4	0.77
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	7	0.77
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	9	0.77
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	10	0.77
(1,237)	1:358:A:LYS:HB3	1:358:A:LYS:HB2	15	0.77
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	5	0.77
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	8	0.77
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	9	0.77
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	15	0.77
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	13	0.77
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	2	0.77
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	10	0.77
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	12	0.77
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	12	0.77
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	13	0.76
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	3	0.76
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	7	0.76
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	8	0.76
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	11	0.76
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	12	0.76
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	18	0.76
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	2	0.76
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	2	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	4	0.76
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	4	0.76
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	6	0.76
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	6	0.76
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	1	0.76
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	3	0.76
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	4	0.76
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	7	0.76
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	11	0.76
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	11	0.76
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	11	0.76
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	12	0.76
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	2	0.76
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	11	0.76
(1,4654)	1:356:A:TYR:H	1:355:A:TRP:HB3	9	0.76
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	4	0.76
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	8	0.76
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	17	0.76
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	14	0.76
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	14	0.76
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	14	0.76
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	20	0.76
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	20	0.76
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	20	0.76
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	4	0.76
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	2	0.76
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	4	0.76
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	12	0.76
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	9	0.76
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	9	0.76
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	9	0.76
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	18	0.76
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	18	0.76
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	18	0.76
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	4	0.76
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	12	0.76
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	15	0.76
(1,4044)	1:403:A:TYR:H	1:402:A:PRO:HD2	1	0.76
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	2	0.76
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	12	0.76
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	3	0.76
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	7	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	8	0.76
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	11	0.76
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	12	0.76
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	18	0.76
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD21	12	0.76
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD22	12	0.76
(1,3545)	1:410:A:TRP:HE3	1:393:A:LEU:HD23	12	0.76
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	1	0.76
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	3	0.76
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	4	0.76
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	7	0.76
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	1	0.76
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	1	0.76
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	3	0.76
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	3	0.76
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	3	0.76
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	8	0.76
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	8	0.76
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	8	0.76
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	17	0.76
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	17	0.76
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	17	0.76
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	11	0.76
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	4	0.76
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	9	0.76
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	12	0.76
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	8	0.76
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	15	0.76
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	20	0.76
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	4	0.76
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	7	0.76
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	8	0.76
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	9	0.76
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	12	0.76
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	16	0.76
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	17	0.76
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	14	0.76
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	19	0.76
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	7	0.76
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	9	0.76
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	1	0.76
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	2	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	9	0.76
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	11	0.76
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	14	0.76
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	15	0.76
(1,2922)	1:453:A:LEU:HB2	1:453:A:LEU:H	18	0.76
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	2	0.76
(1,2849)	1:460:A:GLY:HA3	1:459:A:LYS:HB3	3	0.76
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	14	0.76
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	14	0.76
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	14	0.76
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	9	0.76
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	12	0.76
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	12	0.76
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	12	0.76
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	4	0.76
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	11	0.76
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	17	0.76
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	17	0.76
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	14	0.76
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	14	0.76
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	14	0.76
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	1	0.76
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	8	0.76
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	16	0.76
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	16	0.76
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	16	0.76
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	17	0.76
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	17	0.76
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	17	0.76
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	19	0.76
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	19	0.76
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	19	0.76
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	20	0.76
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	20	0.76
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	20	0.76
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	2	0.76
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	3	0.76
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	4	0.76
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	5	0.76
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	6	0.76
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	8	0.76
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	9	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	10	0.76
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	11	0.76
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	12	0.76
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	13	0.76
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	15	0.76
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	16	0.76
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	17	0.76
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	18	0.76
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	19	0.76
(1,2591)	1:462:A:PRO:HB3	1:462:A:PRO:HA	20	0.76
(1,2545)	1:390:A:ASP:HA	1:389:A:GLU:HB2	18	0.76
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	3	0.76
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	6	0.76
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	8	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	1	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	1	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	1	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	2	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	2	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	2	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	5	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	5	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	5	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	13	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	13	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	13	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	18	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	18	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	18	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	19	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	19	0.76
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	19	0.76
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	19	0.76
(1,2419)	1:387:A:LYS:HG3	1:387:A:LYS:H	4	0.76
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	17	0.76
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	19	0.76
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	19	0.76
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	19	0.76
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	4	0.76
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	6	0.76
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	7	0.76
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	11	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	18	0.76
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	6	0.76
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	11	0.76
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	13	0.76
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	17	0.76
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	19	0.76
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	7	0.76
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	15	0.76
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	20	0.76
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	17	0.76
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	17	0.76
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	17	0.76
(1,2181)	1:459:A:LYS:HA	1:459:A:LYS:HG2	1	0.76
(1,2153)	1:349:A:LEU:HD21	1:370:A:SER:HG	18	0.76
(1,2153)	1:349:A:LEU:HD22	1:370:A:SER:HG	18	0.76
(1,2153)	1:349:A:LEU:HD23	1:370:A:SER:HG	18	0.76
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	11	0.76
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	8	0.76
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	16	0.76
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	19	0.76
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	13	0.76
(1,2048)	1:394:A:LYS:HA	1:394:A:LYS:HG3	12	0.76
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	13	0.76
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	15	0.76
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	16	0.76
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	19	0.76
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	20	0.76
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	5	0.76
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	7	0.76
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	12	0.76
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	10	0.76
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	1	0.76
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	6	0.76
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	19	0.76
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	20	0.76
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	1	0.76
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	3	0.76
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	6	0.76
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	7	0.76
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	8	0.76
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	10	0.76
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	13	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	14	0.76
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	15	0.76
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	16	0.76
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	17	0.76
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	18	0.76
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	20	0.76
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	5	0.76
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	8	0.76
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	12	0.76
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	16	0.76
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	2	0.76
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	2	0.76
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	2	0.76
(1,1942)	1:458:A:GLU:HA	1:459:A:LYS:HB2	10	0.76
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	1	0.76
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	5	0.76
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	11	0.76
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	17	0.76
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	1	0.76
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	1	0.76
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	1	0.76
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	3	0.76
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	3	0.76
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	3	0.76
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	1	0.76
(1,1814)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	4	0.76
(1,1814)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	17	0.76
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	2	0.76
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	4	0.76
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	8	0.76
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	9	0.76
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	11	0.76
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	12	0.76
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	13	0.76
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	15	0.76
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	17	0.76
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	18	0.76
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	20	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	1	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	2	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	3	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	4	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	5	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	6	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	7	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	8	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	9	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	10	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	11	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	12	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	13	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	14	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	15	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	16	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	17	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	18	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	19	0.76
(1,1743)	1:437:A:ARG:HB3	1:437:A:ARG:HB2	20	0.76
(1,1717)	1:430:A:GLY:HA3	1:430:A:GLY:H	2	0.76
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	6	0.76
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	6	0.76
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	6	0.76
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	6	0.76
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	15	0.76
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	15	0.76
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	15	0.76
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	9	0.76
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	2	0.76
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	6	0.76
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	8	0.76
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	11	0.76
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	13	0.76
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	17	0.76
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	18	0.76
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	20	0.76
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	3	0.76
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	15	0.76
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	18	0.76
(1,1348)	1:416:A:THR:HA	1:417:A:GLY:HA2	4	0.76
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	3	0.76
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	3	0.76
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	3	0.76
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	4	0.76
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	4	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	4	0.76
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	8	0.76
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	8	0.76
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	8	0.76
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	13	0.76
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	13	0.76
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	13	0.76
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	17	0.76
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	17	0.76
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	17	0.76
(1,1329)	1:428:A:GLU:HB2	1:429:A:TYR:HA	10	0.76
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	1	0.76
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	8	0.76
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	11	0.76
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	17	0.76
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	8	0.76
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	8	0.76
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	8	0.76
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	9	0.76
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	9	0.76
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	9	0.76
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	15	0.76
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	15	0.76
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	15	0.76
(1,1207)	1:349:A:LEU:HB3	1:349:A:LEU:HA	12	0.76
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	9	0.76
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	17	0.76
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	14	0.76
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	14	0.76
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	14	0.76
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	3	0.76
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	7	0.76
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	9	0.76
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	10	0.76
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	11	0.76
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	14	0.76
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	18	0.76
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	18	0.76
(1,1040)	1:458:A:GLU:HB3	1:459:A:LYS:HA	20	0.76
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	5	0.76
(1,1005)	1:358:A:LYS:HE3	1:358:A:LYS:HB2	12	0.76
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	6	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	8	0.76
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	8	0.76
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	8	0.76
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	14	0.76
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	14	0.76
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	14	0.76
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	6	0.76
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	10	0.76
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	10	0.76
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	17	0.76
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	17	0.76
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	19	0.76
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	19	0.76
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	20	0.76
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	20	0.76
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	18	0.76
(1,701)	1:417:A:GLY:HA3	1:416:A:THR:HA	11	0.76
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	5	0.76
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	6	0.76
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	9	0.76
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	12	0.76
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	14	0.76
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	15	0.76
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	2	0.76
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	19	0.76
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	6	0.76
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	20	0.76
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	2	0.76
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	1	0.76
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	4	0.76
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	5	0.76
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	7	0.76
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	8	0.76
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	16	0.76
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	7	0.76
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	1	0.76
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	2	0.76
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	5	0.76
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	6	0.76
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	9	0.76
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	12	0.76
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	15	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	18	0.76
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	19	0.76
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	11	0.76
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	14	0.76
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	1	0.76
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	9	0.76
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	14	0.76
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	2	0.76
(1,366)	1:378:A:PRO:HB2	1:379:A:ALA:H	16	0.76
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	3	0.76
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	7	0.76
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	9	0.76
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	10	0.76
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	11	0.76
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	14	0.76
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	18	0.76
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	16	0.76
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	16	0.76
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	16	0.76
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	17	0.76
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	17	0.76
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	17	0.76
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	19	0.76
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	19	0.76
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	19	0.76
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	20	0.76
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	20	0.76
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	20	0.76
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	1	0.76
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	3	0.76
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	12	0.76
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	4	0.76
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	11	0.76
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	13	0.76
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	14	0.76
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	4	0.76
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	7	0.76
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	13	0.76
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	16	0.76
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	20	0.76
(1,70)	1:448:A:SER:HB3	1:448:A:SER:H	17	0.76
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	20	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	16	0.75
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	1	0.75
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	6	0.75
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	15	0.75
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	17	0.75
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	7	0.75
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	11	0.75
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	19	0.75
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	19	0.75
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	11	0.75
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	1	0.75
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	8	0.75
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	18	0.75
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	19	0.75
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	13	0.75
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	12	0.75
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	13	0.75
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	17	0.75
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	17	0.75
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	17	0.75
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	6	0.75
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	6	0.75
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	6	0.75
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	6	0.75
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	6	0.75
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	6	0.75
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	10	0.75
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	10	0.75
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	10	0.75
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	11	0.75
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	11	0.75
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	11	0.75
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	12	0.75
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	12	0.75
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	12	0.75
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	9	0.75
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	11	0.75
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	16	0.75
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	16	0.75
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	5	0.75
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	9	0.75
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	13	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	2	0.75
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	2	0.75
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	2	0.75
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	10	0.75
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	10	0.75
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	10	0.75
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	12	0.75
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	12	0.75
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	12	0.75
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	19	0.75
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	19	0.75
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	19	0.75
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	6	0.75
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	16	0.75
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	3	0.75
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	8	0.75
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	6	0.75
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	8	0.75
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	11	0.75
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	13	0.75
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	14	0.75
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	16	0.75
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	17	0.75
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	19	0.75
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	20	0.75
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	7	0.75
(1,4097)	1:425:A:TRP:HE1	1:423:A:SER:HB3	2	0.75
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	19	0.75
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	5	0.75
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	1	0.75
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	7	0.75
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	8	0.75
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	1	0.75
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	6	0.75
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	15	0.75
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	17	0.75
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	2	0.75
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	7	0.75
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	8	0.75
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	9	0.75
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	10	0.75
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	11	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	12	0.75
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	14	0.75
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	16	0.75
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	17	0.75
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	19	0.75
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	20	0.75
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	2	0.75
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	9	0.75
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	9	0.75
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	9	0.75
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	20	0.75
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	20	0.75
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	20	0.75
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	2	0.75
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	14	0.75
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	6	0.75
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	8	0.75
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	9	0.75
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	10	0.75
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	16	0.75
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	10	0.75
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	19	0.75
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	4	0.75
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	4	0.75
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	4	0.75
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	5	0.75
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	5	0.75
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	5	0.75
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	10	0.75
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	10	0.75
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	10	0.75
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	1	0.75
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	6	0.75
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	8	0.75
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	10	0.75
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	13	0.75
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	5	0.75
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	5	0.75
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	5	0.75
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	10	0.75
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	10	0.75
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	10	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	2	0.75
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	6	0.75
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	18	0.75
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	7	0.75
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	2	0.75
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	3	0.75
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	5	0.75
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	10	0.75
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	14	0.75
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	1	0.75
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	3	0.75
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	5	0.75
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	6	0.75
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	9	0.75
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	15	0.75
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	16	0.75
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	17	0.75
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	18	0.75
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	20	0.75
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	1	0.75
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	8	0.75
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	11	0.75
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	13	0.75
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	16	0.75
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	20	0.75
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	4	0.75
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	4	0.75
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	4	0.75
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	10	0.75
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	10	0.75
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	10	0.75
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	16	0.75
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	16	0.75
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	16	0.75
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	2	0.75
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	2	0.75
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	2	0.75
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	7	0.75
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	7	0.75
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	7	0.75
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	9	0.75
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	9	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	9	0.75
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	14	0.75
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	14	0.75
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	14	0.75
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	19	0.75
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	19	0.75
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	19	0.75
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	8	0.75
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	14	0.75
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	14	0.75
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	14	0.75
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	14	0.75
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	14	0.75
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	14	0.75
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	6	0.75
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	12	0.75
(1,2723)	1:402:A:PRO:HA	1:401:A:THR:H	20	0.75
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	8	0.75
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	11	0.75
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	4	0.75
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	4	0.75
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	4	0.75
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	10	0.75
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	10	0.75
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	10	0.75
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	16	0.75
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	16	0.75
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	16	0.75
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	8	0.75
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	18	0.75
(1,2670)	1:386:A:ASN:HA	1:387:A:LYS:HB2	6	0.75
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	1	0.75
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	14	0.75
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	12	0.75
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	12	0.75
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	12	0.75
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	12	0.75
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	15	0.75
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	15	0.75
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	15	0.75
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	11	0.75
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	13	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	19	0.75
(1,2497)	1:435:A:LYS:HB2	1:435:A:LYS:H	18	0.75
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	19	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	4	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	4	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	4	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	7	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	7	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	7	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	11	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	11	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	11	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	14	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	14	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	14	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	16	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	16	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	16	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	17	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	17	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	17	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	20	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	20	0.75
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	20	0.75
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	3	0.75
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	12	0.75
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	2	0.75
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	10	0.75
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	12	0.75
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	9	0.75
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	11	0.75
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	2	0.75
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	3	0.75
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	4	0.75
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	8	0.75
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	9	0.75
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	14	0.75
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	20	0.75
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	8	0.75
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	10	0.75
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	11	0.75
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	13	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	16	0.75
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	19	0.75
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	5	0.75
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	16	0.75
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	17	0.75
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	20	0.75
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	1	0.75
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	1	0.75
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	1	0.75
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	2	0.75
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	2	0.75
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	2	0.75
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	8	0.75
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	8	0.75
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	8	0.75
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	9	0.75
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	9	0.75
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	9	0.75
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	11	0.75
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	11	0.75
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	11	0.75
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	15	0.75
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	15	0.75
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	15	0.75
(1,2153)	1:349:A:LEU:HD21	1:370:A:SER:HG	11	0.75
(1,2153)	1:349:A:LEU:HD22	1:370:A:SER:HG	11	0.75
(1,2153)	1:349:A:LEU:HD23	1:370:A:SER:HG	11	0.75
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	1	0.75
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	5	0.75
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	5	0.75
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	9	0.75
(1,2116)	1:373:A:PRO:HD2	1:374:A:THR:H	16	0.75
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	11	0.75
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	12	0.75
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	17	0.75
(1,2060)	1:461:A:THR:HB	1:461:A:THR:H	10	0.75
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	9	0.75
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	11	0.75
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	13	0.75
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	16	0.75
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	2	0.75
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	3	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	7	0.75
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	8	0.75
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	10	0.75
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	11	0.75
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	14	0.75
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	18	0.75
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	15	0.75
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	15	0.75
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	15	0.75
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	19	0.75
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	19	0.75
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	19	0.75
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	1	0.75
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	2	0.75
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	3	0.75
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	4	0.75
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	6	0.75
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	7	0.75
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	8	0.75
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	14	0.75
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	15	0.75
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	16	0.75
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	18	0.75
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	19	0.75
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	20	0.75
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	2	0.75
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	3	0.75
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	4	0.75
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	5	0.75
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	7	0.75
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	8	0.75
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	9	0.75
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	11	0.75
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	12	0.75
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	13	0.75
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	14	0.75
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	15	0.75
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	16	0.75
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	17	0.75
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	18	0.75
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	4	0.75
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	5	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1982)	1:379:A:ALA:HA	1:380:A:GLY:H	12	0.75
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	2	0.75
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	6	0.75
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	7	0.75
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	6	0.75
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	6	0.75
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	6	0.75
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	7	0.75
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	7	0.75
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	7	0.75
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	19	0.75
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	19	0.75
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	19	0.75
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	20	0.75
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	20	0.75
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	20	0.75
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	2	0.75
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	15	0.75
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	18	0.75
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	13	0.75
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	17	0.75
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	17	0.75
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	17	0.75
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	19	0.75
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	19	0.75
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	19	0.75
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	14	0.75
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	16	0.75
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	1	0.75
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	3	0.75
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	6	0.75
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	7	0.75
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	14	0.75
(1,1757)	1:384:A:VAL:HA	1:384:A:VAL:H	19	0.75
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	13	0.75
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	18	0.75
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	18	0.75
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	18	0.75
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	8	0.75
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	11	0.75
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	12	0.75
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	14	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	18	0.75
(1,1598)	1:361:A:LYS:HB2	1:361:A:LYS:HD2	12	0.75
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	10	0.75
(1,1586)	1:431:A:GLY:HA3	1:431:A:GLY:H	19	0.75
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	13	0.75
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	13	0.75
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	13	0.75
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	13	0.75
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	13	0.75
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	1	0.75
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	16	0.75
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	6	0.75
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	6	0.75
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	6	0.75
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	14	0.75
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	14	0.75
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	14	0.75
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	19	0.75
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	19	0.75
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	19	0.75
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	3	0.75
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	4	0.75
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	5	0.75
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	10	0.75
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	3	0.75
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	5	0.75
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	6	0.75
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	7	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	4	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	4	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	4	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	5	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	5	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	5	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	7	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	7	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	7	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	10	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	10	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	10	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	11	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	11	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	11	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	14	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	14	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	14	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	16	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	16	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	16	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	18	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	18	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	18	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	19	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	19	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	19	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	20	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	20	0.75
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	20	0.75
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	8	0.75
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	18	0.75
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	19	0.75
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	12	0.75
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	12	0.75
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	12	0.75
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	15	0.75
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	15	0.75
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	15	0.75
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	18	0.75
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	18	0.75
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	18	0.75
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	2	0.75
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	13	0.75
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	15	0.75
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	16	0.75
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	19	0.75
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	2	0.75
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	6	0.75
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	7	0.75
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	2	0.75
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	3	0.75
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	3	0.75
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	3	0.75
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	3	0.75
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	13	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	13	0.75
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	13	0.75
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	3	0.75
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	3	0.75
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	3	0.75
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	6	0.75
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	6	0.75
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	12	0.75
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	12	0.75
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	13	0.75
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	13	0.75
(1,719)	1:352:A:GLN:HG2	1:352:A:GLN:H	1	0.75
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	2	0.75
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	13	0.75
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	16	0.75
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	18	0.75
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	20	0.75
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	3	0.75
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	6	0.75
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	10	0.75
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	15	0.75
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	20	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	1	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	3	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	4	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	5	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	6	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	7	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	8	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	10	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	11	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	12	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	13	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	14	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	15	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	16	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	17	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	18	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	19	0.75
(1,585)	1:356:A:TYR:HA	1:356:A:TYR:H	20	0.75
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	6	0.75
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	6	0.75
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	9	0.75
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	1	0.75
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	10	0.75
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	12	0.75
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	19	0.75
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	3	0.75
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	6	0.75
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	3	0.75
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	4	0.75
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	7	0.75
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	8	0.75
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	10	0.75
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	11	0.75
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	14	0.75
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	17	0.75
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	20	0.75
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	5	0.75
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	6	0.75
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	17	0.75
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	4	0.75
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	19	0.75
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	1	0.75
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	8	0.75
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	15	0.75
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	18	0.75
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	2	0.75
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	13	0.75
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	15	0.75
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	16	0.75
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	19	0.75
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	12	0.75
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	12	0.75
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	12	0.75
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	15	0.75
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	15	0.75
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	15	0.75
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	17	0.75
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	20	0.75
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	13	0.75
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	13	0.75
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	13	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	6	0.75
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	8	0.75
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	18	0.75
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	5	0.75
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	5	0.75
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	5	0.75
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	1	0.75
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	2	0.75
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	6	0.75
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	12	0.75
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	7	0.75
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	5	0.75
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	14	0.75
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	1	0.75
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	1	0.75
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	1	0.75
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	2	0.75
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	2	0.75
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	2	0.75
(1,70)	1:448:A:SER:HB3	1:448:A:SER:H	8	0.75
(1,70)	1:448:A:SER:HB3	1:448:A:SER:H	14	0.75
(1,58)	1:367:A:ASP:HB3	1:366:A:THR:HA	4	0.75
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	2	0.75
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	7	0.75
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	18	0.75
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	3	0.75
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	3	0.75
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	14	0.75
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	14	0.75
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	16	0.75
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	16	0.75
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	1	0.74
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	17	0.74
(1,4902)	1:429:A:TYR:H	1:428:A:GLU:HG3	19	0.74
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	13	0.74
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	9	0.74
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	14	0.74
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	20	0.74
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	5	0.74
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	16	0.74
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	18	0.74
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	19	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	13	0.74
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	13	0.74
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	13	0.74
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	11	0.74
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	17	0.74
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	15	0.74
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	15	0.74
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	15	0.74
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	2	0.74
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	2	0.74
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	2	0.74
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	20	0.74
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	9	0.74
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	14	0.74
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	3	0.74
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	14	0.74
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	18	0.74
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	1	0.74
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	1	0.74
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	1	0.74
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	16	0.74
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	16	0.74
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	16	0.74
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	14	0.74
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	2	0.74
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	3	0.74
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	5	0.74
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	9	0.74
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	15	0.74
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	6	0.74
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	10	0.74
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	9	0.74
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	13	0.74
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	14	0.74
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	16	0.74
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	3	0.74
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	6	0.74
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	18	0.74
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	14	0.74
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	8	0.74
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	8	0.74
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	1	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	1	0.74
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	1	0.74
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	1	0.74
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	1	0.74
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	1	0.74
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	19	0.74
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	19	0.74
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	19	0.74
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	19	0.74
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	19	0.74
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	19	0.74
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	13	0.74
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	11	0.74
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	11	0.74
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	11	0.74
(1,3694)	1:355:A:TRP:HE3	1:355:A:TRP:H	8	0.74
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	7	0.74
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	7	0.74
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	7	0.74
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	7	0.74
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	7	0.74
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	7	0.74
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	2	0.74
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	2	0.74
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	3	0.74
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	3	0.74
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	6	0.74
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	6	0.74
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	12	0.74
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	12	0.74
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	1	0.74
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	3	0.74
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	5	0.74
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	6	0.74
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	14	0.74
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	15	0.74
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	8	0.74
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	8	0.74
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	8	0.74
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	2	0.74
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	14	0.74
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	19	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	16	0.74
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	16	0.74
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	16	0.74
(1,3259)	1:451:A:LYS:HD3	1:451:A:LYS:H	16	0.74
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	2	0.74
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	3	0.74
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	4	0.74
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	5	0.74
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	14	0.74
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	16	0.74
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	17	0.74
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	18	0.74
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	19	0.74
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	6	0.74
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	6	0.74
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	6	0.74
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	12	0.74
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	12	0.74
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	12	0.74
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	15	0.74
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	15	0.74
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	15	0.74
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	1	0.74
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	14	0.74
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	20	0.74
(1,2989)	1:376:A:PRO:HA	1:377:A:THR:H	8	0.74
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	14	0.74
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	19	0.74
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	6	0.74
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	11	0.74
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	13	0.74
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	2	0.74
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	4	0.74
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	7	0.74
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	8	0.74
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	11	0.74
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	12	0.74
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	13	0.74
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	4	0.74
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	5	0.74
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	10	0.74
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	14	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	15	0.74
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	18	0.74
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	1	0.74
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	1	0.74
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	1	0.74
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	3	0.74
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	3	0.74
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	3	0.74
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	11	0.74
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	11	0.74
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	11	0.74
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	18	0.74
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	18	0.74
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	18	0.74
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	19	0.74
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	19	0.74
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	19	0.74
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD1	7	0.74
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD2	7	0.74
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD1	7	0.74
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD2	7	0.74
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD1	7	0.74
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD2	7	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	1	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	1	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	1	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	3	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	3	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	3	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	4	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	4	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	4	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	8	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	8	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	8	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	17	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	17	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	17	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	20	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	20	0.74
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	20	0.74
(1,2730)	1:463:A:VAL:HG11	1:464:A:LEU:H	5	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2730)	1:463:A:VAL:HG12	1:464:A:LEU:H	5	0.74
(1,2730)	1:463:A:VAL:HG13	1:464:A:LEU:H	5	0.74
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	5	0.74
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	7	0.74
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	8	0.74
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	10	0.74
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	14	0.74
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	17	0.74
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	18	0.74
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	19	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	1	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	2	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	3	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	4	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	5	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	6	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	7	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	8	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	9	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	10	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	11	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	12	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	13	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	14	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	15	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	16	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	17	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	18	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	19	0.74
(1,2722)	1:466:A:PHE:HB3	1:466:A:PHE:HB2	20	0.74
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	18	0.74
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	5	0.74
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	8	0.74
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	18	0.74
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	1	0.74
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	1	0.74
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	1	0.74
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	3	0.74
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	3	0.74
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	3	0.74
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	11	0.74
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	11	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	11	0.74
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	18	0.74
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	18	0.74
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	18	0.74
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	19	0.74
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	19	0.74
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	19	0.74
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	3	0.74
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	4	0.74
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	13	0.74
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	1	0.74
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	1	0.74
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	1	0.74
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	4	0.74
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	4	0.74
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	4	0.74
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	8	0.74
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	8	0.74
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	8	0.74
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	9	0.74
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	9	0.74
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	9	0.74
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	18	0.74
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	18	0.74
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	18	0.74
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	8	0.74
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	9	0.74
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	11	0.74
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	13	0.74
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	17	0.74
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	20	0.74
(1,2630)	1:345:A:ILE:HD11	1:345:A:ILE:HA	10	0.74
(1,2630)	1:345:A:ILE:HD12	1:345:A:ILE:HA	10	0.74
(1,2630)	1:345:A:ILE:HD13	1:345:A:ILE:HA	10	0.74
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	1	0.74
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	2	0.74
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	3	0.74
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	4	0.74
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	5	0.74
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	6	0.74
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	7	0.74
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	8	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	10	0.74
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	12	0.74
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	14	0.74
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	16	0.74
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	17	0.74
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	19	0.74
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	4	0.74
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	4	0.74
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	11	0.74
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	11	0.74
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	16	0.74
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	16	0.74
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	6	0.74
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	12	0.74
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	2	0.74
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	11	0.74
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	12	0.74
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	20	0.74
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	7	0.74
(1,2434)	1:399:A:ASP:HB2	1:399:A:ASP:H	14	0.74
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD11	9	0.74
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD12	9	0.74
(1,2432)	1:453:A:LEU:HA	1:453:A:LEU:HD13	9	0.74
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	6	0.74
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	13	0.74
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	18	0.74
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	20	0.74
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	1	0.74
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	9	0.74
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	11	0.74
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	13	0.74
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	19	0.74
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	4	0.74
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	8	0.74
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	7	0.74
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	10	0.74
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	12	0.74
(1,2309)	1:341:A:GLU:HA	1:340:A:MET:HB2	13	0.74
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	3	0.74
(1,2293)	1:447:A:PRO:HD2	1:447:A:PRO:HB2	5	0.74
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	13	0.74
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	1	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	2	0.74
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	3	0.74
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	6	0.74
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	7	0.74
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	8	0.74
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	9	0.74
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	11	0.74
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	12	0.74
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	13	0.74
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	14	0.74
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	15	0.74
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	18	0.74
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	19	0.74
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	7	0.74
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	7	0.74
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	7	0.74
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	12	0.74
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	12	0.74
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	12	0.74
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	14	0.74
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	14	0.74
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	14	0.74
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	18	0.74
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	18	0.74
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	18	0.74
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	20	0.74
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	20	0.74
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	20	0.74
(1,2153)	1:349:A:LEU:HD21	1:370:A:SER:HG	14	0.74
(1,2153)	1:349:A:LEU:HD22	1:370:A:SER:HG	14	0.74
(1,2153)	1:349:A:LEU:HD23	1:370:A:SER:HG	14	0.74
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	3	0.74
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	6	0.74
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	6	0.74
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	6	0.74
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	6	0.74
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	6	0.74
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	6	0.74
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	6	0.74
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	6	0.74
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	6	0.74
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	10	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	10	0.74
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	10	0.74
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	10	0.74
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	10	0.74
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	10	0.74
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	10	0.74
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	10	0.74
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	10	0.74
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	10	0.74
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	13	0.74
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	18	0.74
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	20	0.74
(1,2056)	1:387:A:LYS:HB2	1:454:A:PHE:HE1	6	0.74
(1,2056)	1:387:A:LYS:HB2	1:454:A:PHE:HE2	6	0.74
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	14	0.74
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	18	0.74
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	3	0.74
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	4	0.74
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	6	0.74
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	9	0.74
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	11	0.74
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	11	0.74
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	12	0.74
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	12	0.74
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	12	0.74
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	5	0.74
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	9	0.74
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	11	0.74
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	12	0.74
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	13	0.74
(1,1989)	1:376:A:PRO:HB3	1:376:A:PRO:HA	17	0.74
(1,1983)	1:443:A:ILE:HG12	1:443:A:ILE:HB	10	0.74
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	3	0.74
(1,1967)	1:459:A:LYS:HG3	1:459:A:LYS:HE2	14	0.74
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	1	0.74
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	1	0.74
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	1	0.74
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	9	0.74
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	9	0.74
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	9	0.74
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	11	0.74
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	11	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	11	0.74
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	15	0.74
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	15	0.74
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	15	0.74
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	4	0.74
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	7	0.74
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	5	0.74
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	10	0.74
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	10	0.74
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	10	0.74
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	19	0.74
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	19	0.74
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	19	0.74
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	20	0.74
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	20	0.74
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	20	0.74
(1,1814)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	12	0.74
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	13	0.74
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	20	0.74
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	1	0.74
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	3	0.74
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	7	0.74
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	15	0.74
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	20	0.74
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	10	0.74
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	15	0.74
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	16	0.74
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	17	0.74
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	19	0.74
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	10	0.74
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	10	0.74
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	4	0.74
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	8	0.74
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	10	0.74
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	18	0.74
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	20	0.74
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	9	0.74
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	9	0.74
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	9	0.74
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	12	0.74
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	12	0.74
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	12	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	6	0.74
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	9	0.74
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	13	0.74
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	14	0.74
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	20	0.74
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	2	0.74
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	1	0.74
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	1	0.74
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	1	0.74
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	2	0.74
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	2	0.74
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	2	0.74
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	6	0.74
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	6	0.74
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	6	0.74
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	13	0.74
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	13	0.74
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	13	0.74
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	17	0.74
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	17	0.74
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	17	0.74
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	1	0.74
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	2	0.74
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	5	0.74
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	13	0.74
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	14	0.74
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	15	0.74
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	20	0.74
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	4	0.74
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	4	0.74
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	4	0.74
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	9	0.74
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	9	0.74
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	9	0.74
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	11	0.74
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	11	0.74
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	11	0.74
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	20	0.74
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	20	0.74
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	20	0.74
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	17	0.74
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	20	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	2	0.74
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	2	0.74
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	2	0.74
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	2	0.74
(1,941)	1:356:A:TYR:HA	1:356:A:TYR:HB2	12	0.74
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	1	0.74
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	1	0.74
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	1	0.74
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	18	0.74
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	18	0.74
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	18	0.74
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	4	0.74
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	15	0.74
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	13	0.74
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	11	0.74
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	11	0.74
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	15	0.74
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	15	0.74
(1,735)	1:411:A:MET:HB2	1:411:A:MET:HG2	6	0.74
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	13	0.74
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	9	0.74
(1,622)	1:437:A:ARG:HD2	1:437:A:ARG:HA	12	0.74
(1,595)	1:439:A:SER:HB3	1:439:A:SER:HA	9	0.74
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	7	0.74
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	17	0.74
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	20	0.74
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	2	0.74
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	13	0.74
(1,495)	1:344:A:TYR:HA	1:344:A:TYR:H	16	0.74
(1,478)	1:347:A:VAL:HA	1:348:A:ASP:H	15	0.74
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	9	0.74
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	10	0.74
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	3	0.74
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	4	0.74
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	5	0.74
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	13	0.74
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	16	0.74
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	17	0.74
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	17	0.74
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	20	0.74
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD11	10	0.74
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD12	10	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:345:A:ILE:HA	1:345:A:ILE:HD13	10	0.74
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	6	0.74
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	19	0.74
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	3	0.74
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	10	0.74
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	14	0.74
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	19	0.74
(1,127)	1:451:A:LYS:HB3	1:450:A:MET:HA	8	0.74
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	8	0.74
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	14	0.74
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	3	0.74
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	9	0.74
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	9	0.74
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	9	0.74
(1,70)	1:448:A:SER:HB3	1:448:A:SER:H	11	0.74
(1,58)	1:367:A:ASP:HB3	1:366:A:THR:HA	8	0.74
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	11	0.74
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	11	0.74
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	11	0.74
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	17	0.74
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	17	0.74
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	18	0.74
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	18	0.74
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	19	0.73
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	15	0.73
(1,4902)	1:429:A:TYR:H	1:428:A:GLU:HG3	17	0.73
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	3	0.73
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	3	0.73
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	3	0.73
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	15	0.73
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	15	0.73
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	15	0.73
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	10	0.73
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	4	0.73
(1,4817)	1:363:A:ALA:H	1:362:A:VAL:HA	9	0.73
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	8	0.73
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	20	0.73
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	1	0.73
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	7	0.73
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	5	0.73
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	5	0.73
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	5	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	10	0.73
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	10	0.73
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	10	0.73
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	12	0.73
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	12	0.73
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	12	0.73
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	5	0.73
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	16	0.73
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD11	5	0.73
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD12	5	0.73
(1,4464)	1:394:A:LYS:H	1:393:A:LEU:HD13	5	0.73
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	14	0.73
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	9	0.73
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	9	0.73
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	9	0.73
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	5	0.73
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	6	0.73
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	8	0.73
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	5	0.73
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	7	0.73
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	11	0.73
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	13	0.73
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	13	0.73
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	13	0.73
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	17	0.73
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	17	0.73
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	17	0.73
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	1	0.73
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	2	0.73
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	3	0.73
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	4	0.73
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	5	0.73
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	7	0.73
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	9	0.73
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	10	0.73
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	14	0.73
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	15	0.73
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	16	0.73
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	17	0.73
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	18	0.73
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	19	0.73
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	1	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	3	0.73
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	7	0.73
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	8	0.73
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	9	0.73
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	11	0.73
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	13	0.73
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	18	0.73
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	19	0.73
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	20	0.73
(1,4166)	1:397:A:ASN:H	1:397:A:ASN:HD21	9	0.73
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	12	0.73
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	11	0.73
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	12	0.73
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	4	0.73
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	8	0.73
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	16	0.73
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	6	0.73
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	7	0.73
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	19	0.73
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	19	0.73
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	14	0.73
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	15	0.73
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	1	0.73
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	4	0.73
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	4	0.73
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	1	0.73
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	6	0.73
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	6	0.73
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	6	0.73
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	12	0.73
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	12	0.73
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	12	0.73
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	11	0.73
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	11	0.73
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	15	0.73
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	15	0.73
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	18	0.73
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	18	0.73
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	2	0.73
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	2	0.73
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	3	0.73
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	3	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	14	0.73
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	14	0.73
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	15	0.73
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	15	0.73
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	7	0.73
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	8	0.73
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	9	0.73
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	11	0.73
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	13	0.73
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	17	0.73
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	18	0.73
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	19	0.73
(1,3457)	1:362:A:VAL:HA	1:363:A:ALA:H	9	0.73
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	7	0.73
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	13	0.73
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	5	0.73
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	20	0.73
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	13	0.73
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	13	0.73
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	13	0.73
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	16	0.73
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	16	0.73
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	16	0.73
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	7	0.73
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	9	0.73
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	12	0.73
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	15	0.73
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	3	0.73
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	3	0.73
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	3	0.73
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	11	0.73
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	13	0.73
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	1	0.73
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	4	0.73
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	13	0.73
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	17	0.73
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	12	0.73
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	14	0.73
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	9	0.73
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	18	0.73
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	2	0.73
(1,2958)	1:434:A:TRP:HA	1:434:A:TRP:HB3	20	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2948)	1:446:A:PRO:HD3	1:446:A:PRO:HG2	10	0.73
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	6	0.73
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	19	0.73
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	15	0.73
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	15	0.73
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	15	0.73
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	11	0.73
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	11	0.73
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	11	0.73
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	13	0.73
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	13	0.73
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	13	0.73
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	15	0.73
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	15	0.73
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	15	0.73
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD11	18	0.73
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD12	18	0.73
(1,2786)	1:393:A:LEU:HB2	1:393:A:LEU:HD13	18	0.73
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	13	0.73
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	17	0.73
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	17	0.73
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	17	0.73
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	17	0.73
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	17	0.73
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	17	0.73
(1,2730)	1:463:A:VAL:HG11	1:464:A:LEU:H	9	0.73
(1,2730)	1:463:A:VAL:HG12	1:464:A:LEU:H	9	0.73
(1,2730)	1:463:A:VAL:HG13	1:464:A:LEU:H	9	0.73
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	9	0.73
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	10	0.73
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	2	0.73
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	4	0.73
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	11	0.73
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	13	0.73
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	15	0.73
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	16	0.73
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	20	0.73
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	15	0.73
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	15	0.73
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	15	0.73
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	1	0.73
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	10	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	14	0.73
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	17	0.73
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	19	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	2	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	2	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	2	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	3	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	3	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	3	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	7	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	7	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	7	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	11	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	11	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	11	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	13	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	13	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	13	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	14	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	14	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	14	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	19	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	19	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	19	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	20	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	20	0.73
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	20	0.73
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	2	0.73
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	3	0.73
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	4	0.73
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	5	0.73
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	6	0.73
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	7	0.73
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	10	0.73
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	12	0.73
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	15	0.73
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	16	0.73
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	18	0.73
(1,2648)	1:462:A:PRO:HG3	1:462:A:PRO:HD3	19	0.73
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	9	0.73
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	15	0.73
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	18	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2616)	1:372:A:LYS:HA	1:372:A:LYS:H	20	0.73
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	14	0.73
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	14	0.73
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	15	0.73
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	15	0.73
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	19	0.73
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	19	0.73
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	7	0.73
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	13	0.73
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	17	0.73
(1,2479)	1:426:A:GLN:HA	1:426:A:GLN:HB2	7	0.73
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	7	0.73
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	15	0.73
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	17	0.73
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	19	0.73
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	2	0.73
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	7	0.73
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	17	0.73
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	1	0.73
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	18	0.73
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	20	0.73
(1,2316)	1:348:A:ASP:HA	1:348:A:ASP:HB2	5	0.73
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	2	0.73
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	4	0.73
(1,2244)	1:446:A:PRO:HB3	1:446:A:PRO:HG2	10	0.73
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	4	0.73
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	4	0.73
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	4	0.73
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	6	0.73
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	6	0.73
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	6	0.73
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	13	0.73
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	13	0.73
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	13	0.73
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	4	0.73
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	14	0.73
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	3	0.73
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	8	0.73
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	12	0.73
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	12	0.73
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	12	0.73
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	12	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	12	0.73
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	12	0.73
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	12	0.73
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	12	0.73
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	12	0.73
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	12	0.73
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	1	0.73
(1,2056)	1:387:A:LYS:HB2	1:454:A:PHE:HE1	5	0.73
(1,2056)	1:387:A:LYS:HB2	1:454:A:PHE:HE2	5	0.73
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	2	0.73
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	7	0.73
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	11	0.73
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	4	0.73
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	10	0.73
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	19	0.73
(1,2004)	1:344:A:TYR:HA	1:344:A:TYR:HB3	1	0.73
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	12	0.73
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	7	0.73
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	7	0.73
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	7	0.73
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	18	0.73
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	18	0.73
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	18	0.73
(1,1941)	1:381:A:VAL:HG11	1:381:A:VAL:H	3	0.73
(1,1941)	1:381:A:VAL:HG12	1:381:A:VAL:H	3	0.73
(1,1941)	1:381:A:VAL:HG13	1:381:A:VAL:H	3	0.73
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	8	0.73
(1,1934)	1:409:A:TYR:HA	1:410:A:TRP:H	9	0.73
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	3	0.73
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	6	0.73
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	7	0.73
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	7	0.73
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	13	0.73
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	11	0.73
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	17	0.73
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	11	0.73
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	4	0.73
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	8	0.73
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	9	0.73
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	11	0.73
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	12	0.73
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	16	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	17	0.73
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	18	0.73
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	7	0.73
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	7	0.73
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	7	0.73
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	19	0.73
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	19	0.73
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	19	0.73
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	6	0.73
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	10	0.73
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	4	0.73
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	13	0.73
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	20	0.73
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	2	0.73
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	5	0.73
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	16	0.73
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	16	0.73
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	16	0.73
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	2	0.73
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	7	0.73
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	16	0.73
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	18	0.73
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	20	0.73
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	3	0.73
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	3	0.73
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	3	0.73
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	3	0.73
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	4	0.73
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	6	0.73
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	10	0.73
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	12	0.73
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	16	0.73
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	16	0.73
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	16	0.73
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	5	0.73
(1,1086)	1:344:A:TYR:HB2	1:344:A:TYR:HA	12	0.73
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	17	0.73
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	14	0.73
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	4	0.73
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	4	0.73
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	4	0.73
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	2	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	5	0.73
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	7	0.73
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	8	0.73
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	12	0.73
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	13	0.73
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	19	0.73
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	20	0.73
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	12	0.73
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	16	0.73
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	16	0.73
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	2	0.73
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	1	0.73
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	2	0.73
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	3	0.73
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	4	0.73
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	8	0.73
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	9	0.73
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	10	0.73
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	11	0.73
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	12	0.73
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	13	0.73
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	14	0.73
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	16	0.73
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	17	0.73
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	18	0.73
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	19	0.73
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	20	0.73
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	2	0.73
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	4	0.73
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	10	0.73
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	10	0.73
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	20	0.73
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	15	0.73
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	17	0.73
(1,557)	1:452:A:GLU:HB2	1:453:A:LEU:H	13	0.73
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	15	0.73
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	17	0.73
(1,484)	1:350:A:GLU:HG3	1:350:A:GLU:H	20	0.73
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	13	0.73
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	16	0.73
(1,446)	1:372:A:LYS:HG3	1:372:A:LYS:HB2	16	0.73
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	6	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	14	0.73
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	17	0.73
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	19	0.73
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	13	0.73
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	5	0.73
(1,362)	1:344:A:TYR:HA	1:344:A:TYR:HB2	12	0.73
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	4	0.73
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	5	0.73
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	7	0.73
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	9	0.73
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	15	0.73
(1,263)	1:358:A:LYS:HB3	1:358:A:LYS:HE3	5	0.73
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	16	0.73
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	16	0.73
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	16	0.73
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	11	0.73
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	17	0.73
(1,195)	1:376:A:PRO:HA	1:377:A:THR:HB	18	0.73
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	13	0.73
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	16	0.73
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	20	0.73
(1,85)	1:345:A:ILE:HG21	1:346:A:GLU:H	11	0.73
(1,85)	1:345:A:ILE:HG22	1:346:A:GLU:H	11	0.73
(1,85)	1:345:A:ILE:HG23	1:346:A:GLU:H	11	0.73
(1,70)	1:448:A:SER:HB3	1:448:A:SER:H	9	0.73
(1,58)	1:367:A:ASP:HB3	1:366:A:THR:HA	1	0.73
(1,58)	1:367:A:ASP:HB3	1:366:A:THR:HA	7	0.73
(1,58)	1:367:A:ASP:HB3	1:366:A:THR:HA	11	0.73
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	5	0.73
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	8	0.73
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	9	0.73
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	12	0.73
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	15	0.73
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	17	0.73
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	9	0.73
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	9	0.73
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	13	0.73
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	13	0.73
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	15	0.73
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	15	0.73
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	19	0.73
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	19	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	19	0.72
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	18	0.72
(1,4961)	1:418:A:VAL:H	1:417:A:GLY:H	14	0.72
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	2	0.72
(1,4902)	1:429:A:TYR:H	1:428:A:GLU:HG3	8	0.72
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	5	0.72
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	5	0.72
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	5	0.72
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	9	0.72
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	9	0.72
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	9	0.72
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	20	0.72
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	16	0.72
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	2	0.72
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	7	0.72
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	18	0.72
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	3	0.72
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	4	0.72
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	7	0.72
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	15	0.72
(1,4685)	1:442:A:CYS:H	1:442:A:CYS:HB2	11	0.72
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	10	0.72
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	20	0.72
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	2	0.72
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	2	0.72
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	2	0.72
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	18	0.72
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	19	0.72
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	7	0.72
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	7	0.72
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	7	0.72
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	20	0.72
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	20	0.72
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	20	0.72
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	7	0.72
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	18	0.72
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	16	0.72
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	8	0.72
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	16	0.72
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	5	0.72
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	5	0.72
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	14	0.72
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	14	0.72
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	14	0.72
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	6	0.72
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	8	0.72
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	11	0.72
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	12	0.72
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	13	0.72
(1,4174)	1:415:A:TRP:HE1	1:415:A:TRP:HD1	20	0.72
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	2	0.72
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	7	0.72
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	19	0.72
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	6	0.72
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	11	0.72
(1,4056)	1:369:A:VAL:H	1:444:A:ASN:H	1	0.72
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	1	0.72
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	9	0.72
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	3	0.72
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	17	0.72
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	18	0.72
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	20	0.72
(1,3968)	1:417:A:GLY:H	1:418:A:VAL:H	14	0.72
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	15	0.72
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	3	0.72
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	7	0.72
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	13	0.72
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	15	0.72
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	5	0.72
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	13	0.72
(1,3864)	1:421:A:HIS:HD2	1:442:A:CYS:HB3	11	0.72
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	1	0.72
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	1	0.72
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	1	0.72
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	3	0.72
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	3	0.72
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	3	0.72
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	4	0.72
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	4	0.72
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	4	0.72
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	18	0.72
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	18	0.72
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	18	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	19	0.72
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	19	0.72
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	19	0.72
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	5	0.72
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	5	0.72
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	6	0.72
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	6	0.72
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	9	0.72
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	9	0.72
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	10	0.72
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	10	0.72
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	13	0.72
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	13	0.72
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	16	0.72
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	16	0.72
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	15	0.72
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	15	0.72
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	15	0.72
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	15	0.72
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	15	0.72
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	15	0.72
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	19	0.72
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	19	0.72
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	19	0.72
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	4	0.72
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	7	0.72
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	12	0.72
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	7	0.72
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	7	0.72
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	4	0.72
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	10	0.72
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	16	0.72
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	20	0.72
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	4	0.72
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	6	0.72
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	10	0.72
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	12	0.72
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	15	0.72
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	17	0.72
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	18	0.72
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	20	0.72
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	15	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	17	0.72
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	17	0.72
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	17	0.72
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	17	0.72
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	12	0.72
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	9	0.72
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	9	0.72
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	9	0.72
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	4	0.72
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	4	0.72
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	4	0.72
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	11	0.72
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	11	0.72
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	11	0.72
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	14	0.72
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	2	0.72
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	7	0.72
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	20	0.72
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	17	0.72
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	9	0.72
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	12	0.72
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	4	0.72
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	17	0.72
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	5	0.72
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	5	0.72
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	5	0.72
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	7	0.72
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	7	0.72
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	7	0.72
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	15	0.72
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	3	0.72
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	2	0.72
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	16	0.72
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	1	0.72
(1,2724)	1:362:A:VAL:HB	1:362:A:VAL:HA	3	0.72
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	10	0.72
(1,2717)	1:407:A:VAL:HA	1:408:A:ASN:H	13	0.72
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	15	0.72
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	19	0.72
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	5	0.72
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	5	0.72
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	7	0.72
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	7	0.72
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	7	0.72
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	6	0.72
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	15	0.72
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	20	0.72
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	6	0.72
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	6	0.72
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	6	0.72
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	10	0.72
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	10	0.72
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	10	0.72
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	12	0.72
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	12	0.72
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	12	0.72
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	15	0.72
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	15	0.72
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	15	0.72
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	17	0.72
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	17	0.72
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	17	0.72
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	20	0.72
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	20	0.72
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	5	0.72
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	11	0.72
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	11	0.72
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	15	0.72
(1,2434)	1:399:A:ASP:HB2	1:399:A:ASP:H	16	0.72
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	1	0.72
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	14	0.72
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	1	0.72
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	1	0.72
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	10	0.72
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	11	0.72
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	13	0.72
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	16	0.72
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	9	0.72
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	9	0.72
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	9	0.72
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	10	0.72
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	10	0.72
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	10	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	15	0.72
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	15	0.72
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	15	0.72
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	1	0.72
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	1	0.72
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	1	0.72
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	1	0.72
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	1	0.72
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	1	0.72
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	1	0.72
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	1	0.72
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	1	0.72
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	2	0.72
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	2	0.72
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	2	0.72
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	2	0.72
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	2	0.72
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	2	0.72
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	2	0.72
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	2	0.72
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	2	0.72
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	9	0.72
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	9	0.72
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	9	0.72
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	9	0.72
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	9	0.72
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	9	0.72
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	9	0.72
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	9	0.72
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	9	0.72
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	13	0.72
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	13	0.72
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	13	0.72
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	13	0.72
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	13	0.72
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	13	0.72
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	13	0.72
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	13	0.72
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	13	0.72
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	18	0.72
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	18	0.72
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	18	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	18	0.72
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	18	0.72
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	18	0.72
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	18	0.72
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	18	0.72
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	18	0.72
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	10	0.72
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	11	0.72
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	2	0.72
(1,2330)	1:427:A:PRO:HD3	1:426:A:GLN:HA	19	0.72
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	3	0.72
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	3	0.72
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	3	0.72
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	5	0.72
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	5	0.72
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	5	0.72
(1,2238)	1:451:A:LYS:HG2	1:451:A:LYS:HA	8	0.72
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	2	0.72
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	16	0.72
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	16	0.72
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	16	0.72
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	16	0.72
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	16	0.72
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	16	0.72
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	16	0.72
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	16	0.72
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	16	0.72
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	4	0.72
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	19	0.72
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	8	0.72
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	12	0.72
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	14	0.72
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	17	0.72
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	20	0.72
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	17	0.72
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	14	0.72
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	14	0.72
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	14	0.72
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	3	0.72
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	3	0.72
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	3	0.72
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	8	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	8	0.72
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	8	0.72
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	13	0.72
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	13	0.72
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	13	0.72
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	14	0.72
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	14	0.72
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	14	0.72
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	17	0.72
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	17	0.72
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	17	0.72
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	20	0.72
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	20	0.72
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	20	0.72
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	17	0.72
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	9	0.72
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	20	0.72
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	8	0.72
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	8	0.72
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	8	0.72
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	4	0.72
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	6	0.72
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	10	0.72
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	12	0.72
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	15	0.72
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	17	0.72
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	18	0.72
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	20	0.72
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	8	0.72
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	11	0.72
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	14	0.72
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	16	0.72
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	11	0.72
(1,1816)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	11	0.72
(1,1814)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	1	0.72
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	2	0.72
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	3	0.72
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	7	0.72
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	15	0.72
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	16	0.72
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	18	0.72
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	19	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	5	0.72
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	6	0.72
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	12	0.72
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	17	0.72
(1,1719)	1:451:A:LYS:HA	1:451:A:LYS:HG2	8	0.72
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	6	0.72
(1,1680)	1:365:A:GLU:HB3	1:365:A:GLU:HA	12	0.72
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	2	0.72
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	5	0.72
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	10	0.72
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	14	0.72
(1,1660)	1:356:A:TYR:HA	1:357:A:TYR:HB3	19	0.72
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	3	0.72
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	3	0.72
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	3	0.72
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	1	0.72
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	1	0.72
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	6	0.72
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	6	0.72
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	6	0.72
(1,1403)	1:464:A:LEU:HA	1:463:A:VAL:HB	14	0.72
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	1	0.72
(1,1326)	1:454:A:PHE:HB3	1:455:A:GLY:H	6	0.72
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	1	0.72
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	4	0.72
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	9	0.72
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	11	0.72
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	15	0.72
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	16	0.72
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD11	12	0.72
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD12	12	0.72
(1,1221)	1:364:A:LEU:HB2	1:364:A:LEU:HD13	12	0.72
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	2	0.72
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	7	0.72
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	7	0.72
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	11	0.72
(1,1138)	1:444:A:ASN:HA	1:444:A:ASN:H	16	0.72
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	7	0.72
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	7	0.72
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	7	0.72
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	8	0.72
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	19	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	12	0.72
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	20	0.72
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	20	0.72
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	20	0.72
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	7	0.72
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	7	0.72
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	7	0.72
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	11	0.72
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	11	0.72
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	11	0.72
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	1	0.72
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	3	0.72
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	6	0.72
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	9	0.72
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	11	0.72
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	14	0.72
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	17	0.72
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	18	0.72
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	2	0.72
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	2	0.72
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD1	18	0.72
(1,784)	1:357:A:TYR:HB2	1:357:A:TYR:HD2	18	0.72
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	9	0.72
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	11	0.72
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	16	0.72
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	5	0.72
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	6	0.72
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	7	0.72
(1,739)	1:456:A:MET:HB3	1:456:A:MET:HA	15	0.72
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	1	0.72
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	5	0.72
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	6	0.72
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	7	0.72
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	8	0.72
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	9	0.72
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	11	0.72
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	12	0.72
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	13	0.72
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	16	0.72
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	20	0.72
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	6	0.72
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	19	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	5	0.72
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	6	0.72
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	14	0.72
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	11	0.72
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	18	0.72
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	19	0.72
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	8	0.72
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	19	0.72
(1,438)	1:450:A:MET:HB3	1:450:A:MET:H	19	0.72
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	11	0.72
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	12	0.72
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	20	0.72
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	11	0.72
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	12	0.72
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	18	0.72
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	2	0.72
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	3	0.72
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	11	0.72
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	12	0.72
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	4	0.72
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	4	0.72
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	4	0.72
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	6	0.72
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	10	0.72
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	5	0.72
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	5	0.72
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	5	0.72
(1,115)	1:452:A:GLU:HG2	1:452:A:GLU:H	20	0.72
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	1	0.72
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	4	0.72
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	10	0.72
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	13	0.72
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	19	0.72
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	20	0.72
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	1	0.72
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	1	0.72
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	7	0.72
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	7	0.72
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	11	0.71
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	9	0.71
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	15	0.71
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	10	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4795)	1:409:A:TYR:H	1:408:A:ASN:HD22	16	0.71
(1,4794)	1:421:A:HIS:H	1:420:A:ILE:HG12	15	0.71
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	15	0.71
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	9	0.71
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	11	0.71
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	17	0.71
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	14	0.71
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	12	0.71
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	16	0.71
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	17	0.71
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	3	0.71
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	5	0.71
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	11	0.71
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	14	0.71
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	2	0.71
(1,4452)	1:451:A:LYS:H	1:450:A:MET:HG2	19	0.71
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	16	0.71
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	1	0.71
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	2	0.71
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	4	0.71
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	14	0.71
(1,4400)	1:382:A:PHE:H	1:382:A:PHE:HB2	2	0.71
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	3	0.71
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	6	0.71
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	15	0.71
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	20	0.71
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	4	0.71
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	12	0.71
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	17	0.71
(1,4165)	1:428:A:GLU:H	1:427:A:PRO:HG3	10	0.71
(1,4114)	1:353:A:HIS:H	1:351:A:ASN:HB3	15	0.71
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	20	0.71
(1,4097)	1:425:A:TRP:HE1	1:423:A:SER:HB3	6	0.71
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	9	0.71
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	8	0.71
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	2	0.71
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	4	0.71
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	7	0.71
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	13	0.71
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	14	0.71
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	19	0.71
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	20	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	1	0.71
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	4	0.71
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	10	0.71
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	2	0.71
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	5	0.71
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	8	0.71
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	9	0.71
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	12	0.71
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	4	0.71
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	6	0.71
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	7	0.71
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	15	0.71
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	20	0.71
(1,3856)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	15	0.71
(1,3856)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	15	0.71
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	8	0.71
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	8	0.71
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	8	0.71
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	1	0.71
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	1	0.71
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	2	0.71
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	2	0.71
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	3	0.71
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	3	0.71
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	4	0.71
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	4	0.71
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	14	0.71
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	14	0.71
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	19	0.71
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	19	0.71
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	20	0.71
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	20	0.71
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	5	0.71
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	5	0.71
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	5	0.71
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	10	0.71
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	10	0.71
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	13	0.71
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	13	0.71
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	9	0.71
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	1	0.71
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	1	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	4	0.71
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	4	0.71
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	5	0.71
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	5	0.71
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	14	0.71
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	14	0.71
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	16	0.71
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	16	0.71
(1,3508)	1:465:A:VAL:HB	1:464:A:LEU:HA	12	0.71
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	1	0.71
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	3	0.71
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	6	0.71
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	3	0.71
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	5	0.71
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	8	0.71
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	9	0.71
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	11	0.71
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	16	0.71
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	19	0.71
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	4	0.71
(1,3383)	1:441:A:GLY:HA2	1:440:A:HIS:HB2	18	0.71
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	2	0.71
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	2	0.71
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	2	0.71
(1,3219)	1:434:A:TRP:HA	1:435:A:LYS:H	20	0.71
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	12	0.71
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	2	0.71
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	2	0.71
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	2	0.71
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	13	0.71
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	13	0.71
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	13	0.71
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	14	0.71
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	14	0.71
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	14	0.71
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	18	0.71
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	18	0.71
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	18	0.71
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	9	0.71
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	4	0.71
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	3	0.71
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	5	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	20	0.71
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	5	0.71
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	16	0.71
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	17	0.71
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	18	0.71
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	19	0.71
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	20	0.71
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	9	0.71
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	6	0.71
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	13	0.71
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	2	0.71
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	5	0.71
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	14	0.71
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	1	0.71
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	2	0.71
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	2	0.71
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	2	0.71
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	8	0.71
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	8	0.71
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	8	0.71
(1,2799)	1:372:A:LYS:HG2	1:372:A:LYS:HE2	16	0.71
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	10	0.71
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	18	0.71
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	16	0.71
(1,2730)	1:463:A:VAL:HG11	1:464:A:LEU:H	11	0.71
(1,2730)	1:463:A:VAL:HG12	1:464:A:LEU:H	11	0.71
(1,2730)	1:463:A:VAL:HG13	1:464:A:LEU:H	11	0.71
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	5	0.71
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	11	0.71
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	2	0.71
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	2	0.71
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	2	0.71
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	8	0.71
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	8	0.71
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	8	0.71
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	7	0.71
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	12	0.71
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	5	0.71
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	5	0.71
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	5	0.71
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG11	16	0.71
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG12	16	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2673)	1:407:A:VAL:HB	1:407:A:VAL:HG13	16	0.71
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	7	0.71
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	7	0.71
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	16	0.71
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	16	0.71
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	19	0.71
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	19	0.71
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	9	0.71
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	10	0.71
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	1	0.71
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	2	0.71
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	10	0.71
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	15	0.71
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	18	0.71
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	20	0.71
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	15	0.71
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	19	0.71
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	20	0.71
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	6	0.71
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	17	0.71
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	2	0.71
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	11	0.71
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	7	0.71
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	14	0.71
(1,2419)	1:387:A:LYS:HG3	1:387:A:LYS:H	1	0.71
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	9	0.71
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	3	0.71
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	6	0.71
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	8	0.71
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	14	0.71
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	7	0.71
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	9	0.71
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	14	0.71
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	20	0.71
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	2	0.71
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	2	0.71
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	2	0.71
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	4	0.71
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	4	0.71
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	4	0.71
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	8	0.71
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	8	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	8	0.71
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	18	0.71
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	18	0.71
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	18	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	8	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	8	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	8	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	8	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	8	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	8	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	8	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	8	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	8	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	10	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	10	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	10	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	10	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	10	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	10	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	10	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	10	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	10	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	11	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	11	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	11	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	11	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	11	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	11	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	11	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	11	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	11	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	12	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	12	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	12	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	12	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	12	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	12	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	12	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	12	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	12	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	14	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	14	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	14	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	14	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	14	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	14	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	14	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	14	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	14	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	15	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	15	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	15	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	15	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	15	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	15	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	15	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	15	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	15	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	17	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	17	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	17	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	17	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	17	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	17	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	17	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	17	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	17	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	20	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	20	0.71
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	20	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	20	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	20	0.71
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	20	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	20	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	20	0.71
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	20	0.71
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	8	0.71
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	8	0.71
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	19	0.71
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	16	0.71
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	16	0.71
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	16	0.71
(1,2153)	1:349:A:LEU:HD21	1:370:A:SER:HG	7	0.71
(1,2153)	1:349:A:LEU:HD22	1:370:A:SER:HG	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2153)	1:349:A:LEU:HD23	1:370:A:SER:HG	7	0.71
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	20	0.71
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	7	0.71
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	5	0.71
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	16	0.71
(1,2135)	1:424:A:ASP:HB3	1:424:A:ASP:H	17	0.71
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	10	0.71
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	10	0.71
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	3	0.71
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	4	0.71
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	7	0.71
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	10	0.71
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	13	0.71
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	20	0.71
(1,2056)	1:387:A:LYS:HB2	1:454:A:PHE:HE1	3	0.71
(1,2056)	1:387:A:LYS:HB2	1:454:A:PHE:HE2	3	0.71
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	8	0.71
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	9	0.71
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	15	0.71
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	20	0.71
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	2	0.71
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	7	0.71
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	15	0.71
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	3	0.71
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	3	0.71
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	3	0.71
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	4	0.71
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	4	0.71
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	4	0.71
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	5	0.71
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	5	0.71
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	5	0.71
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	10	0.71
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	10	0.71
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	10	0.71
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	12	0.71
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	12	0.71
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	12	0.71
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	15	0.71
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	15	0.71
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	15	0.71
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	1	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	1	0.71
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	1	0.71
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	4	0.71
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	4	0.71
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	4	0.71
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	6	0.71
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	6	0.71
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	6	0.71
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	19	0.71
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	19	0.71
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	19	0.71
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	2	0.71
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	12	0.71
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	14	0.71
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	2	0.71
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	5	0.71
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	16	0.71
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	3	0.71
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	3	0.71
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	3	0.71
(1,1867)	1:368:A:ILE:HG21	1:366:A:THR:HG1	2	0.71
(1,1867)	1:368:A:ILE:HG22	1:366:A:THR:HG1	2	0.71
(1,1867)	1:368:A:ILE:HG23	1:366:A:THR:HG1	2	0.71
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	3	0.71
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	5	0.71
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	8	0.71
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	9	0.71
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	11	0.71
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	16	0.71
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	19	0.71
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	1	0.71
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	4	0.71
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	5	0.71
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	6	0.71
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	10	0.71
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	12	0.71
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	13	0.71
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	15	0.71
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	17	0.71
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	18	0.71
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	20	0.71
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	5	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	8	0.71
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	12	0.71
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	1	0.71
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	2	0.71
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	3	0.71
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	7	0.71
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	8	0.71
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	9	0.71
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	11	0.71
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	13	0.71
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	14	0.71
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	15	0.71
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	16	0.71
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	18	0.71
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	19	0.71
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	20	0.71
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	8	0.71
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	8	0.71
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	8	0.71
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	19	0.71
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	7	0.71
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	7	0.71
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	7	0.71
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	9	0.71
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	9	0.71
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	9	0.71
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	3	0.71
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	8	0.71
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	10	0.71
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	12	0.71
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	13	0.71
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	14	0.71
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	17	0.71
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	18	0.71
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	12	0.71
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	13	0.71
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	20	0.71
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	17	0.71
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	17	0.71
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	17	0.71
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	1	0.71
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	5	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	9	0.71
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	13	0.71
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	18	0.71
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	1	0.71
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	5	0.71
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	15	0.71
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	13	0.71
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	18	0.71
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	3	0.71
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	14	0.71
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	15	0.71
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	17	0.71
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	18	0.71
(1,731)	1:446:A:PRO:HG3	1:446:A:PRO:HD3	19	0.71
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	12	0.71
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	18	0.71
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	7	0.71
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	15	0.71
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	19	0.71
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	10	0.71
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	14	0.71
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	20	0.71
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	12	0.71
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	6	0.71
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	16	0.71
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	17	0.71
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	7	0.71
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	7	0.71
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	7	0.71
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	7	0.71
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	7	0.71
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	7	0.71
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	7	0.71
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	7	0.71
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	7	0.71
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	1	0.71
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	5	0.71
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	9	0.71
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	13	0.71
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	18	0.71
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	19	0.71
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	9	0.71
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	20	0.71
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	1	0.71
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	14	0.71
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	15	0.71
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	15	0.71
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	15	0.71
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	18	0.71
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	18	0.71
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	18	0.71
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	1	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	4	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	4	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	4	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	6	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	6	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	6	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	10	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	10	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	10	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	12	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	12	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	12	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	15	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	15	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	15	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	16	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	16	0.71
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	16	0.71
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	1	0.71
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	3	0.71
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	14	0.71
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	6	0.7
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	13	0.7
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	15	0.7
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	18	0.7
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	2	0.7
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	10	0.7
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	2	0.7
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	2	0.7
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	2	0.7
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	11	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	20	0.7
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	9	0.7
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	10	0.7
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	14	0.7
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	17	0.7
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	18	0.7
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	9	0.7
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	15	0.7
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG11	16	0.7
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG12	16	0.7
(1,4554)	1:448:A:SER:H	1:449:A:VAL:HG13	16	0.7
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	3	0.7
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	3	0.7
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	3	0.7
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	1	0.7
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	4	0.7
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	15	0.7
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	11	0.7
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	12	0.7
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	11	0.7
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	11	0.7
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	2	0.7
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	12	0.7
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	10	0.7
(1,4097)	1:425:A:TRP:HE1	1:423:A:SER:HB3	14	0.7
(1,4097)	1:425:A:TRP:HE1	1:423:A:SER:HB3	20	0.7
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	8	0.7
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	10	0.7
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	10	0.7
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	17	0.7
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	16	0.7
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	11	0.7
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	17	0.7
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	18	0.7
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	11	0.7
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	4	0.7
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	6	0.7
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	17	0.7
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	3	0.7
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	10	0.7
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	14	0.7
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	16	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	17	0.7
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	19	0.7
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	7	0.7
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	7	0.7
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	7	0.7
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	7	0.7
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	7	0.7
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	7	0.7
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	17	0.7
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	17	0.7
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	17	0.7
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	7	0.7
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	7	0.7
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	17	0.7
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	17	0.7
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	11	0.7
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	11	0.7
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	11	0.7
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	11	0.7
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	11	0.7
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	11	0.7
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	8	0.7
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	8	0.7
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	8	0.7
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	6	0.7
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	6	0.7
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	6	0.7
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	6	0.7
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	6	0.7
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	6	0.7
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	9	0.7
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	9	0.7
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	9	0.7
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	9	0.7
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	9	0.7
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	9	0.7
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	8	0.7
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	15	0.7
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	10	0.7
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	10	0.7
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	11	0.7
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	11	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	19	0.7
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	19	0.7
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	14	0.7
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	14	0.7
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	14	0.7
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	2	0.7
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	5	0.7
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	9	0.7
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	12	0.7
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	16	0.7
(1,3418)	1:462:A:PRO:HG3	1:462:A:PRO:HB3	2	0.7
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	12	0.7
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	12	0.7
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	12	0.7
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	12	0.7
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	12	0.7
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	12	0.7
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	9	0.7
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	9	0.7
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	9	0.7
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	4	0.7
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	4	0.7
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	4	0.7
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	1	0.7
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	1	0.7
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD1	14	0.7
(1,3256)	1:383:A:TYR:HB2	1:383:A:TYR:HD2	14	0.7
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG21	16	0.7
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG22	16	0.7
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG23	16	0.7
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	12	0.7
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	9	0.7
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	2	0.7
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	2	0.7
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	2	0.7
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	11	0.7
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	11	0.7
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	11	0.7
(1,3220)	1:413:A:ILE:HG21	1:412:A:PRO:HB3	18	0.7
(1,3220)	1:413:A:ILE:HG22	1:412:A:PRO:HB3	18	0.7
(1,3220)	1:413:A:ILE:HG23	1:412:A:PRO:HB3	18	0.7
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	10	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	3	0.7
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	3	0.7
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	3	0.7
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	8	0.7
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	8	0.7
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	8	0.7
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	17	0.7
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	17	0.7
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	17	0.7
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	19	0.7
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	19	0.7
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	19	0.7
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	13	0.7
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	16	0.7
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	6	0.7
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	6	0.7
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	20	0.7
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	3	0.7
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	8	0.7
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	10	0.7
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	11	0.7
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	14	0.7
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	15	0.7
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	1	0.7
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	1	0.7
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	14	0.7
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	3	0.7
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	8	0.7
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	1	0.7
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	4	0.7
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	6	0.7
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	7	0.7
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	10	0.7
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	11	0.7
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	13	0.7
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	15	0.7
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	3	0.7
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	5	0.7
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	11	0.7
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	13	0.7
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	19	0.7
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	2	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	3	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	3	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	3	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	4	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	4	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	4	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	6	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	6	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	6	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	7	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	7	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	7	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	8	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	8	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	8	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	10	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	10	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	10	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	12	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	12	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	12	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	13	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	13	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	13	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	14	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	14	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	14	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	15	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	15	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	15	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	17	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	17	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	17	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	18	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	18	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	18	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	19	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	19	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	19	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	20	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	20	0.7
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	20	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	4	0.7
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	6	0.7
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	8	0.7
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	3	0.7
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	11	0.7
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	1	0.7
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	1	0.7
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	6	0.7
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	6	0.7
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	8	0.7
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	8	0.7
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	2	0.7
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	17	0.7
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	4	0.7
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	6	0.7
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	13	0.7
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	10	0.7
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	1	0.7
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	3	0.7
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	7	0.7
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	8	0.7
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	10	0.7
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	14	0.7
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	15	0.7
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	18	0.7
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	19	0.7
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	5	0.7
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	9	0.7
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	4	0.7
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	6	0.7
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	8	0.7
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	9	0.7
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	11	0.7
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	12	0.7
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	15	0.7
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	17	0.7
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	18	0.7
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	20	0.7
(1,2419)	1:387:A:LYS:HG3	1:387:A:LYS:H	20	0.7
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	4	0.7
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	19	0.7
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	3	0.7
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	8	0.7
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	17	0.7
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	18	0.7
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	11	0.7
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	11	0.7
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	11	0.7
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	14	0.7
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	14	0.7
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	14	0.7
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	20	0.7
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	20	0.7
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	20	0.7
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	3	0.7
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	3	0.7
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	3	0.7
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	3	0.7
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	3	0.7
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	3	0.7
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	3	0.7
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	3	0.7
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	3	0.7
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	4	0.7
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	4	0.7
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	4	0.7
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	4	0.7
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	4	0.7
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	4	0.7
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	4	0.7
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	4	0.7
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	4	0.7
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	7	0.7
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	7	0.7
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	7	0.7
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	7	0.7
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	7	0.7
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	7	0.7
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	7	0.7
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	7	0.7
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	7	0.7
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	16	0.7
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	16	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	16	0.7
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	16	0.7
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	16	0.7
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	16	0.7
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	16	0.7
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	16	0.7
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	16	0.7
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	8	0.7
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	15	0.7
(1,2291)	1:407:A:VAL:HA	1:408:A:ASN:HB2	5	0.7
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	9	0.7
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	20	0.7
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	10	0.7
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	10	0.7
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	10	0.7
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	2	0.7
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	7	0.7
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	14	0.7
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	19	0.7
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	2	0.7
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	5	0.7
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	8	0.7
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	14	0.7
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	15	0.7
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	17	0.7
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	18	0.7
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	19	0.7
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	6	0.7
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	13	0.7
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	16	0.7
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	1	0.7
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	16	0.7
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	18	0.7
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	8	0.7
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	19	0.7
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	6	0.7
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	5	0.7
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	12	0.7
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	18	0.7
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	2	0.7
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	6	0.7
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	6	0.7
(1,1862)	1:462:A:PRO:HB3	1:462:A:PRO:HG3	2	0.7
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	2	0.7
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	3	0.7
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	7	0.7
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	9	0.7
(1,1848)	1:360:A:GLY:HA3	1:359:A:ASP:HA	19	0.7
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	4	0.7
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	6	0.7
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	9	0.7
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	13	0.7
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	4	0.7
(1,1759)	1:413:A:ILE:HG13	1:413:A:ILE:HB	10	0.7
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	19	0.7
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	19	0.7
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	19	0.7
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	1	0.7
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	1	0.7
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	1	0.7
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	4	0.7
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	4	0.7
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	4	0.7
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	9	0.7
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	9	0.7
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	9	0.7
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	10	0.7
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	10	0.7
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	10	0.7
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	11	0.7
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	11	0.7
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	11	0.7
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	13	0.7
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	13	0.7
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	13	0.7
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	17	0.7
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	12	0.7
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	12	0.7
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	12	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	1	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	2	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	3	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	5	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	6	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	7	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	9	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	10	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	11	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	12	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	13	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	14	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	15	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	16	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	17	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	18	0.7
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	20	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	2	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	2	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	2	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	5	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	5	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	5	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	11	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	11	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	11	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	13	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	13	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	13	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	14	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	14	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	14	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	16	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	16	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	16	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	17	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	17	0.7
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	17	0.7
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	2	0.7
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	11	0.7
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	15	0.7
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	20	0.7
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	5	0.7
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	1	0.7
(1,1223)	1:459:A:LYS:HA	1:459:A:LYS:H	19	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	2	0.7
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	2	0.7
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	2	0.7
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	7	0.7
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	7	0.7
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	7	0.7
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	3	0.7
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	5	0.7
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	16	0.7
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	4	0.7
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	5	0.7
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	8	0.7
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	17	0.7
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	6	0.7
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	13	0.7
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	13	0.7
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	13	0.7
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	4	0.7
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	10	0.7
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	20	0.7
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	4	0.7
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	11	0.7
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	10	0.7
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	16	0.7
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	1	0.7
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	2	0.7
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	3	0.7
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	4	0.7
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	6	0.7
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	7	0.7
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	8	0.7
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	9	0.7
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	10	0.7
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	11	0.7
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	12	0.7
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	14	0.7
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	15	0.7
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	16	0.7
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	18	0.7
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	20	0.7
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	13	0.7
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	13	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	13	0.7
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	10	0.7
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	10	0.7
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	10	0.7
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	20	0.7
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	20	0.7
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	20	0.7
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	4	0.7
(1,903)	1:426:A:GLN:HA	1:427:A:PRO:HD2	16	0.7
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	6	0.7
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	6	0.7
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	12	0.7
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	12	0.7
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	2	0.7
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	9	0.7
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	14	0.7
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	1	0.7
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	10	0.7
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	11	0.7
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	14	0.7
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	17	0.7
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	20	0.7
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	5	0.7
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	12	0.7
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	7	0.7
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	2	0.7
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	10	0.7
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	11	0.7
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	13	0.7
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	14	0.7
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	4	0.7
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	10	0.7
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	20	0.7
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	2	0.7
(1,418)	1:429:A:TYR:HA	1:428:A:GLU:HA	10	0.7
(1,380)	1:390:A:ASP:HB2	1:391:A:ALA:HA	10	0.7
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	18	0.7
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	2	0.7
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	2	0.7
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	2	0.7
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	3	0.7
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	11	0.7
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	12	0.7
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	17	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	3	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	3	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	3	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	7	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	7	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	7	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	8	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	8	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	8	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	9	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	9	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	9	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	13	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	13	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	13	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	14	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	14	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	14	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	17	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	17	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	17	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	18	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	18	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	18	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	19	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	19	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	19	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	20	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	20	0.7
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	20	0.7
(1,70)	1:448:A:SER:HB3	1:448:A:SER:H	5	0.7
(1,46)	1:411:A:MET:HG2	1:411:A:MET:HA	16	0.7
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	7	0.69
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	7	0.69
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	20	0.69
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	16	0.69
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	17	0.69
(1,4855)	1:434:A:TRP:HE1	1:435:A:LYS:HE2	9	0.69
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG11	16	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG12	16	0.69
(1,4812)	1:346:A:GLU:H	1:463:A:VAL:HG13	16	0.69
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	19	0.69
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	19	0.69
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	10	0.69
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	13	0.69
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	2	0.69
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	8	0.69
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	10	0.69
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	19	0.69
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	4	0.69
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	2	0.69
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	9	0.69
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	3	0.69
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	5	0.69
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	10	0.69
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	13	0.69
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	12	0.69
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	13	0.69
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	5	0.69
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	7	0.69
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	14	0.69
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	16	0.69
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	20	0.69
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB1	3	0.69
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB2	3	0.69
(1,4213)	1:411:A:MET:H	1:391:A:ALA:HB3	3	0.69
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	10	0.69
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	17	0.69
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	15	0.69
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	12	0.69
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	6	0.69
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	11	0.69
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	12	0.69
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	14	0.69
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	18	0.69
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	20	0.69
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	2	0.69
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	5	0.69
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	5	0.69
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	15	0.69
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	11	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	16	0.69
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	19	0.69
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	8	0.69
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	9	0.69
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	11	0.69
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	18	0.69
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	2	0.69
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	2	0.69
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	2	0.69
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	8	0.69
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	8	0.69
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	8	0.69
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	8	0.69
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	8	0.69
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	8	0.69
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	14	0.69
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	14	0.69
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	14	0.69
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	14	0.69
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	14	0.69
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	14	0.69
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	19	0.69
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	19	0.69
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	19	0.69
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	19	0.69
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	19	0.69
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	19	0.69
(1,3799)	1:344:A:TYR:HE1	1:344:A:TYR:HA	12	0.69
(1,3799)	1:344:A:TYR:HE2	1:344:A:TYR:HA	12	0.69
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	9	0.69
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	9	0.69
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	9	0.69
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	9	0.69
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	9	0.69
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	9	0.69
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	16	0.69
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	16	0.69
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	16	0.69
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	16	0.69
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	16	0.69
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	16	0.69
(1,3649)	1:415:A:TRP:HZ3	1:414:A:ASP:HB3	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	1	0.69
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	1	0.69
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	1	0.69
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	1	0.69
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	1	0.69
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	1	0.69
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	12	0.69
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	12	0.69
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	12	0.69
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	12	0.69
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	12	0.69
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	12	0.69
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	17	0.69
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	17	0.69
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	17	0.69
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	17	0.69
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	17	0.69
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	17	0.69
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	8	0.69
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	8	0.69
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	9	0.69
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	9	0.69
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	13	0.69
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	13	0.69
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	15	0.69
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	15	0.69
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	17	0.69
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	17	0.69
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	18	0.69
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	18	0.69
(1,3582)	1:356:A:TYR:HE1	1:356:A:TYR:HB3	20	0.69
(1,3582)	1:356:A:TYR:HE2	1:356:A:TYR:HB3	20	0.69
(1,3581)	1:382:A:PHE:HE1	1:414:A:ASP:HB2	16	0.69
(1,3581)	1:382:A:PHE:HE2	1:414:A:ASP:HB2	16	0.69
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	1	0.69
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	1	0.69
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	1	0.69
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	8	0.69
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	10	0.69
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	17	0.69
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	19	0.69
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	6	0.69
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	6	0.69
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	6	0.69
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	6	0.69
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	6	0.69
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	6	0.69
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	1	0.69
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	1	0.69
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	1	0.69
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	6	0.69
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	6	0.69
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	6	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	1	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	2	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	3	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	4	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	5	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	6	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	7	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	8	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	9	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	10	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	11	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	13	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	14	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	15	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	16	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	17	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	18	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	19	0.69
(1,3236)	1:378:A:PRO:HG3	1:378:A:PRO:HD3	20	0.69
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	6	0.69
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	1	0.69
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	1	0.69
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	1	0.69
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	7	0.69
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	7	0.69
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	7	0.69
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	9	0.69
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	9	0.69
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	9	0.69
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	20	0.69
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	20	0.69
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	1	0.69
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	17	0.69
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	18	0.69
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	3	0.69
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	5	0.69
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	7	0.69
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	16	0.69
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	2	0.69
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	5	0.69
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	10	0.69
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	11	0.69
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	13	0.69
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	9	0.69
(1,3120)	1:366:A:THR:HA	1:365:A:GLU:H	13	0.69
(1,3065)	1:394:A:LYS:HE2	1:394:A:LYS:HG2	15	0.69
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	4	0.69
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	4	0.69
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	4	0.69
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	5	0.69
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	5	0.69
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	5	0.69
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	7	0.69
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	7	0.69
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	7	0.69
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	8	0.69
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	8	0.69
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	8	0.69
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	10	0.69
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	10	0.69
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	10	0.69
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	3	0.69
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	10	0.69
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	11	0.69
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	3	0.69
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	4	0.69
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	5	0.69
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	6	0.69
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	7	0.69
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	8	0.69
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	9	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	10	0.69
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	11	0.69
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	12	0.69
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	13	0.69
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	16	0.69
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	17	0.69
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	18	0.69
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	19	0.69
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	20	0.69
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	8	0.69
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	12	0.69
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	15	0.69
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	16	0.69
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	18	0.69
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	20	0.69
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	11	0.69
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	9	0.69
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	17	0.69
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	20	0.69
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	1	0.69
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	1	0.69
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	1	0.69
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	1	0.69
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	5	0.69
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	5	0.69
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	5	0.69
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	3	0.69
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	12	0.69
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	15	0.69
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	18	0.69
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	19	0.69
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	12	0.69
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	20	0.69
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	1	0.69
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	2	0.69
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	5	0.69
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	9	0.69
(1,2676)	1:354:A:MET:HB2	1:354:A:MET:H	16	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	2	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	2	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	2	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	5	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	5	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	6	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	6	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	6	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	9	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	9	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	9	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	10	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	10	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	10	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	11	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	11	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	11	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	17	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	17	0.69
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	17	0.69
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	18	0.69
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	18	0.69
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	8	0.69
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	9	0.69
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	18	0.69
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	7	0.69
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	7	0.69
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	15	0.69
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	15	0.69
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	17	0.69
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	17	0.69
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	18	0.69
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	18	0.69
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	3	0.69
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	7	0.69
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	8	0.69
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	9	0.69
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	12	0.69
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	14	0.69
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	12	0.69
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	13	0.69
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	4	0.69
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	9	0.69
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	16	0.69
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2434)	1:399:A:ASP:HB2	1:399:A:ASP:H	20	0.69
(1,2429)	1:354:A:MET:HA	1:354:A:MET:HG2	16	0.69
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	3	0.69
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	13	0.69
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	5	0.69
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	2	0.69
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	5	0.69
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	6	0.69
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	1	0.69
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	10	0.69
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	1	0.69
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	1	0.69
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	1	0.69
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	3	0.69
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	3	0.69
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	3	0.69
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	7	0.69
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	7	0.69
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	7	0.69
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	13	0.69
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	13	0.69
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	13	0.69
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	5	0.69
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	5	0.69
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	5	0.69
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	5	0.69
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	5	0.69
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	5	0.69
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	5	0.69
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	5	0.69
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	5	0.69
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE1	6	0.69
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE2	6	0.69
(1,2381)	1:420:A:ILE:HG21	1:450:A:MET:HE3	6	0.69
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE1	6	0.69
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE2	6	0.69
(1,2381)	1:420:A:ILE:HG22	1:450:A:MET:HE3	6	0.69
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE1	6	0.69
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE2	6	0.69
(1,2381)	1:420:A:ILE:HG23	1:450:A:MET:HE3	6	0.69
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	9	0.69
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	17	0.69
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	19	0.69
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	20	0.69
(1,2291)	1:407:A:VAL:HA	1:408:A:ASN:HB2	16	0.69
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	10	0.69
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	10	0.69
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	10	0.69
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	10	0.69
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	8	0.69
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	16	0.69
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	6	0.69
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	9	0.69
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	1	0.69
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	3	0.69
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	5	0.69
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	12	0.69
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	17	0.69
(1,1996)	1:340:A:MET:HB2	1:340:A:MET:H	13	0.69
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	7	0.69
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	7	0.69
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	7	0.69
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	19	0.69
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	19	0.69
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	19	0.69
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	4	0.69
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	9	0.69
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	10	0.69
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	11	0.69
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	2	0.69
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	4	0.69
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	7	0.69
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	8	0.69
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	11	0.69
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	13	0.69
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	16	0.69
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	1	0.69
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	17	0.69
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	19	0.69
(1,1814)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	2	0.69
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	14	0.69
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	9	0.69
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	3	0.69
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	3	0.69
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	6	0.69
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	6	0.69
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	6	0.69
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	8	0.69
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	8	0.69
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	8	0.69
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	2	0.69
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	2	0.69
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	2	0.69
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	5	0.69
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	5	0.69
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	5	0.69
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	12	0.69
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	12	0.69
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	12	0.69
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	3	0.69
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	14	0.69
(1,1531)	1:444:A:ASN:HB2	1:444:A:ASN:H	15	0.69
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	4	0.69
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	4	0.69
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	4	0.69
(1,1449)	1:409:A:TYR:HB2	1:409:A:TYR:HA	8	0.69
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	3	0.69
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	3	0.69
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	3	0.69
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	8	0.69
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	8	0.69
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	8	0.69
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	10	0.69
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	10	0.69
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	10	0.69
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	18	0.69
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	18	0.69
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	18	0.69
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	20	0.69
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	20	0.69
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	20	0.69
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	7	0.69
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	12	0.69
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	3	0.69
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	1	0.69
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	9	0.69
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	11	0.69
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	15	0.69
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	19	0.69
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	6	0.69
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	6	0.69
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	6	0.69
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	6	0.69
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	6	0.69
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	6	0.69
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	6	0.69
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	6	0.69
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	6	0.69
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	9	0.69
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	13	0.69
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	14	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	1	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	1	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	1	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	3	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	3	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	3	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	4	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	4	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	4	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	6	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	6	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	6	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	9	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	9	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	9	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	10	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	10	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	10	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	11	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	11	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	11	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	12	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	12	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	12	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	13	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	13	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	13	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	14	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	14	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	14	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	16	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	16	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	16	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	17	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	17	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	17	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	19	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	19	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	19	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	20	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	20	0.69
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	20	0.69
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	9	0.69
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	10	0.69
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	8	0.69
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	10	0.69
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	18	0.69
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	6	0.69
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	12	0.69
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	15	0.69
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	1	0.69
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	6	0.69
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	10	0.69
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	11	0.69
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	18	0.69
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	19	0.69
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	7	0.69
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	2	0.69
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	10	0.69
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	13	0.69
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	17	0.69
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	19	0.69
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	14	0.69
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	9	0.69
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	13	0.69
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	16	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	13	0.69
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	17	0.69
(1,970)	1:421:A:HIS:HA	1:421:A:HIS:H	19	0.69
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	19	0.69
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	19	0.69
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	19	0.69
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	9	0.69
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	9	0.69
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	9	0.69
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	15	0.69
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	15	0.69
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	15	0.69
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	16	0.69
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	16	0.69
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	16	0.69
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	3	0.69
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	3	0.69
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	5	0.69
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	5	0.69
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	8	0.69
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	17	0.69
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	20	0.69
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	5	0.69
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	8	0.69
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	17	0.69
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	4	0.69
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	8	0.69
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	13	0.69
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	16	0.69
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	19	0.69
(1,619)	1:394:A:LYS:HE2	1:394:A:LYS:HB2	15	0.69
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	1	0.69
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	2	0.69
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	3	0.69
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	4	0.69
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	6	0.69
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	7	0.69
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	8	0.69
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	9	0.69
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	10	0.69
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	11	0.69
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	13	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	14	0.69
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	15	0.69
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	16	0.69
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	17	0.69
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	18	0.69
(1,610)	1:447:A:PRO:HB3	1:447:A:PRO:HG3	20	0.69
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	12	0.69
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	13	0.69
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	19	0.69
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	8	0.69
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	18	0.69
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	1	0.69
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	7	0.69
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	10	0.69
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	1	0.69
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	5	0.69
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	9	0.69
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	14	0.69
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	1	0.69
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	1	0.69
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	1	0.69
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	2	0.69
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	2	0.69
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	2	0.69
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	4	0.69
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	4	0.69
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	4	0.69
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	5	0.69
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	5	0.69
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	5	0.69
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	6	0.69
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	6	0.69
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	6	0.69
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	7	0.69
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	7	0.69
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	7	0.69
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	8	0.69
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	8	0.69
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	8	0.69
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	10	0.69
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	10	0.69
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	12	0.69
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	12	0.69
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	12	0.69
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	13	0.69
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	13	0.69
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	13	0.69
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	14	0.69
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	14	0.69
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	14	0.69
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	15	0.69
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	15	0.69
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	15	0.69
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	17	0.69
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	17	0.69
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	17	0.69
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	18	0.69
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	18	0.69
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	18	0.69
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	19	0.69
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	19	0.69
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	19	0.69
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	20	0.69
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	20	0.69
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	20	0.69
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	1	0.69
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	8	0.69
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	17	0.69
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	17	0.69
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	17	0.69
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	11	0.69
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	11	0.69
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	11	0.69
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	10	0.69
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	10	0.69
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	10	0.69
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	2	0.69
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	2	0.69
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	2	0.69
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	5	0.69
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	5	0.69
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	5	0.69
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	9	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	9	0.69
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	9	0.69
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	11	0.69
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	11	0.69
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	11	0.69
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	16	0.69
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	16	0.69
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	16	0.69
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	5	0.69
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	15	0.69
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	18	0.69
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	19	0.69
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	1	0.69
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	1	0.69
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	1	0.69
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	2	0.69
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	2	0.69
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	2	0.69
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG21	11	0.69
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG22	11	0.69
(1,116)	1:407:A:VAL:HB	1:407:A:VAL:HG23	11	0.69
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	2	0.69
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	2	0.69
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	6	0.69
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	6	0.69
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	8	0.69
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	8	0.69
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	10	0.69
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	10	0.69
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	12	0.68
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE1	19	0.68
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE2	19	0.68
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE1	20	0.68
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE2	20	0.68
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	2	0.68
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	1	0.68
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	14	0.68
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	18	0.68
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	16	0.68
(1,4902)	1:429:A:TYR:H	1:428:A:GLU:HG3	9	0.68
(1,4902)	1:429:A:TYR:H	1:428:A:GLU:HG3	15	0.68
(1,4855)	1:434:A:TRP:HE1	1:435:A:LYS:HE2	15	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	1	0.68
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	20	0.68
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	2	0.68
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	7	0.68
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	8	0.68
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	12	0.68
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	13	0.68
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	18	0.68
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	1	0.68
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	9	0.68
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	2	0.68
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	6	0.68
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	14	0.68
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	2	0.68
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	6	0.68
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	16	0.68
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	6	0.68
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	8	0.68
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	10	0.68
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	17	0.68
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	20	0.68
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	6	0.68
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	7	0.68
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	8	0.68
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	2	0.68
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	4	0.68
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	8	0.68
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	10	0.68
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	12	0.68
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	13	0.68
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	15	0.68
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	17	0.68
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	19	0.68
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	19	0.68
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	7	0.68
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	5	0.68
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	6	0.68
(1,4171)	1:393:A:LEU:H	1:393:A:LEU:HB2	15	0.68
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	7	0.68
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	20	0.68
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	6	0.68
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	11	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	6	0.68
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	10	0.68
(1,4033)	1:425:A:TRP:HE1	1:423:A:SER:HB2	18	0.68
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	8	0.68
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	16	0.68
(1,4006)	1:348:A:ASP:H	1:354:A:MET:HB3	9	0.68
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	20	0.68
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	19	0.68
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	18	0.68
(1,3922)	1:417:A:GLY:H	1:416:A:THR:H	12	0.68
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	9	0.68
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	9	0.68
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	9	0.68
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	9	0.68
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	9	0.68
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	9	0.68
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	11	0.68
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	11	0.68
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	11	0.68
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	4	0.68
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	4	0.68
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	4	0.68
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	4	0.68
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	4	0.68
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	4	0.68
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	12	0.68
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	12	0.68
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	12	0.68
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	12	0.68
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	12	0.68
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	12	0.68
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	19	0.68
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	19	0.68
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	19	0.68
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	19	0.68
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	19	0.68
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	19	0.68
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	7	0.68
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	7	0.68
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	17	0.68
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	17	0.68
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	19	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	19	0.68
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	2	0.68
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	2	0.68
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	2	0.68
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	2	0.68
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	2	0.68
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	2	0.68
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	5	0.68
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	5	0.68
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	5	0.68
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	5	0.68
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	5	0.68
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	5	0.68
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	3	0.68
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	3	0.68
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	3	0.68
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	3	0.68
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	3	0.68
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	3	0.68
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	17	0.68
(1,3735)	1:383:A:TYR:HD1	1:462:A:PRO:HD2	14	0.68
(1,3735)	1:383:A:TYR:HD2	1:462:A:PRO:HD2	14	0.68
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	2	0.68
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	2	0.68
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	2	0.68
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	14	0.68
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	14	0.68
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	14	0.68
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	13	0.68
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	13	0.68
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	13	0.68
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	13	0.68
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	13	0.68
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	13	0.68
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	5	0.68
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	5	0.68
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	5	0.68
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	5	0.68
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	5	0.68
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	5	0.68
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	4	0.68
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	7	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	13	0.68
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	14	0.68
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	15	0.68
(1,3390)	1:408:A:ASN:HB2	1:408:A:ASN:H	4	0.68
(1,3390)	1:408:A:ASN:HB2	1:408:A:ASN:H	12	0.68
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	3	0.68
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	3	0.68
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	3	0.68
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	7	0.68
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG21	5	0.68
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG22	5	0.68
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG23	5	0.68
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG21	9	0.68
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG22	9	0.68
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG23	9	0.68
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG21	11	0.68
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG22	11	0.68
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG23	11	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	1	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	2	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	3	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	4	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	5	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	6	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	7	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	8	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	9	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	10	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	11	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	12	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	13	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	14	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	15	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	16	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	17	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	18	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	19	0.68
(1,3228)	1:347:A:VAL:HB	1:347:A:VAL:HA	20	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	1	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	2	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	3	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	5	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	7	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	8	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	9	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	10	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	11	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	12	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	13	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	14	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	15	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	17	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	18	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	19	0.68
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	20	0.68
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	11	0.68
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	5	0.68
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	13	0.68
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	14	0.68
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	19	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	1	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	2	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	3	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	4	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	5	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	6	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	7	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	8	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	9	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	10	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	12	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	13	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	14	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	15	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	17	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	18	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	19	0.68
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	20	0.68
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	10	0.68
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	20	0.68
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	2	0.68
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	7	0.68
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	12	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	14	0.68
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	17	0.68
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	5	0.68
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	4	0.68
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	2	0.68
(1,3022)	1:462:A:PRO:HD2	1:462:A:PRO:HG3	15	0.68
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	10	0.68
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	16	0.68
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	3	0.68
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	1	0.68
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	4	0.68
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	8	0.68
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	2	0.68
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	2	0.68
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	2	0.68
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	9	0.68
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	9	0.68
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	9	0.68
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	11	0.68
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	11	0.68
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	11	0.68
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG11	16	0.68
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG12	16	0.68
(1,2755)	1:463:A:VAL:HB	1:463:A:VAL:HG13	16	0.68
(1,2730)	1:463:A:VAL:HG11	1:464:A:LEU:H	16	0.68
(1,2730)	1:463:A:VAL:HG12	1:464:A:LEU:H	16	0.68
(1,2730)	1:463:A:VAL:HG13	1:464:A:LEU:H	16	0.68
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	7	0.68
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	17	0.68
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	10	0.68
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	2	0.68
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	6	0.68
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	8	0.68
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	19	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	1	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	1	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	1	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	3	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	3	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	3	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	4	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	4	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	7	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	7	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	7	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	8	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	8	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	8	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	12	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	12	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	12	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	13	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	13	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	13	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	14	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	14	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	14	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	15	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	15	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	15	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	16	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	16	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	16	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	18	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	18	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	18	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	19	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	19	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	19	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD11	20	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD12	20	0.68
(1,2597)	1:393:A:LEU:HG	1:393:A:LEU:HD13	20	0.68
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	2	0.68
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	2	0.68
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	5	0.68
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	5	0.68
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	10	0.68
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	10	0.68
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	15	0.68
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	10	0.68
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	9	0.68
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	15	0.68
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	19	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	5	0.68
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	11	0.68
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	12	0.68
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	13	0.68
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	15	0.68
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	2	0.68
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	14	0.68
(1,2408)	1:348:A:ASP:HB3	1:348:A:ASP:H	15	0.68
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	15	0.68
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	19	0.68
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	9	0.68
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	12	0.68
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	6	0.68
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	6	0.68
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	6	0.68
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	12	0.68
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	12	0.68
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	12	0.68
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	17	0.68
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	17	0.68
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	17	0.68
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	9	0.68
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	7	0.68
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	16	0.68
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	5	0.68
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	2	0.68
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	11	0.68
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	11	0.68
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	11	0.68
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	16	0.68
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	16	0.68
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	16	0.68
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	18	0.68
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	18	0.68
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	18	0.68
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	20	0.68
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	20	0.68
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	20	0.68
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	3	0.68
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	5	0.68
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	9	0.68
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	15	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	1	0.68
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	11	0.68
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	16	0.68
(1,2056)	1:387:A:LYS:HB2	1:454:A:PHE:HE1	7	0.68
(1,2056)	1:387:A:LYS:HB2	1:454:A:PHE:HE2	7	0.68
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	4	0.68
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	5	0.68
(1,1948)	1:457:A:VAL:HG11	1:453:A:LEU:HG	16	0.68
(1,1948)	1:457:A:VAL:HG12	1:453:A:LEU:HG	16	0.68
(1,1948)	1:457:A:VAL:HG13	1:453:A:LEU:HG	16	0.68
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	4	0.68
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	1	0.68
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	3	0.68
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	14	0.68
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	19	0.68
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	8	0.68
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	1	0.68
(1,1801)	1:462:A:PRO:HD3	1:461:A:THR:HA	10	0.68
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	1	0.68
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	1	0.68
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	1	0.68
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	10	0.68
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	10	0.68
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	10	0.68
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	7	0.68
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	4	0.68
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	10	0.68
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	12	0.68
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	13	0.68
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	15	0.68
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	20	0.68
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	1	0.68
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	2	0.68
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	3	0.68
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	5	0.68
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	6	0.68
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	10	0.68
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	11	0.68
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	12	0.68
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	13	0.68
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	16	0.68
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	17	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	18	0.68
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	19	0.68
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	3	0.68
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	3	0.68
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	1	0.68
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	1	0.68
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	1	0.68
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	1	0.68
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	1	0.68
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	1	0.68
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	4	0.68
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	4	0.68
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	4	0.68
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	12	0.68
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	12	0.68
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	12	0.68
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	15	0.68
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	15	0.68
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	15	0.68
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	19	0.68
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	19	0.68
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	19	0.68
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	3	0.68
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	4	0.68
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	5	0.68
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	8	0.68
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	10	0.68
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	13	0.68
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	20	0.68
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	9	0.68
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	2	0.68
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	3	0.68
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	4	0.68
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	5	0.68
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	6	0.68
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	8	0.68
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	10	0.68
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	12	0.68
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	13	0.68
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	14	0.68
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	16	0.68
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	17	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	18	0.68
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	20	0.68
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	5	0.68
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	5	0.68
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	5	0.68
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	5	0.68
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	5	0.68
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	5	0.68
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	5	0.68
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	5	0.68
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	5	0.68
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	15	0.68
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	15	0.68
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	15	0.68
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	4	0.68
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	8	0.68
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	11	0.68
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	12	0.68
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	14	0.68
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	5	0.68
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	5	0.68
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	5	0.68
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	8	0.68
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	8	0.68
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	8	0.68
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	15	0.68
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	15	0.68
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	15	0.68
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG21	18	0.68
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG22	18	0.68
(1,1206)	1:369:A:VAL:HB	1:369:A:VAL:HG23	18	0.68
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	2	0.68
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	6	0.68
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	9	0.68
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	12	0.68
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	15	0.68
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	17	0.68
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	19	0.68
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	20	0.68
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	10	0.68
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	13	0.68
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	14	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	3	0.68
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	20	0.68
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	4	0.68
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	10	0.68
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	15	0.68
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	9	0.68
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	7	0.68
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	12	0.68
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	15	0.68
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	4	0.68
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	8	0.68
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	8	0.68
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	19	0.68
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	20	0.68
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	1	0.68
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	20	0.68
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	8	0.68
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	8	0.68
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	8	0.68
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE1	11	0.68
(1,921)	1:395:A:GLY:HA3	1:403:A:TYR:HE2	11	0.68
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	15	0.68
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	15	0.68
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	18	0.68
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	18	0.68
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	19	0.68
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	5	0.68
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	5	0.68
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	3	0.68
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	8	0.68
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	4	0.68
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	8	0.68
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	2	0.68
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	2	0.68
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	2	0.68
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	2	0.68
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	2	0.68
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	2	0.68
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	2	0.68
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	2	0.68
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	2	0.68
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	12	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	12	0.68
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	12	0.68
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	12	0.68
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	12	0.68
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	12	0.68
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	12	0.68
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	12	0.68
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	12	0.68
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	7	0.68
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	12	0.68
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	15	0.68
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	3	0.68
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	3	0.68
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	3	0.68
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	9	0.68
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	9	0.68
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	9	0.68
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	11	0.68
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	11	0.68
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	11	0.68
(1,500)	1:413:A:ILE:HD11	1:413:A:ILE:HG12	16	0.68
(1,500)	1:413:A:ILE:HD12	1:413:A:ILE:HG12	16	0.68
(1,500)	1:413:A:ILE:HD13	1:413:A:ILE:HG12	16	0.68
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	1	0.68
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	5	0.68
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	6	0.68
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	8	0.68
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	11	0.68
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	12	0.68
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	13	0.68
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	14	0.68
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	16	0.68
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	17	0.68
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	18	0.68
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	19	0.68
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	20	0.68
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	3	0.68
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	9	0.68
(1,428)	1:408:A:ASN:HB2	1:407:A:VAL:HA	13	0.68
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	6	0.68
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	6	0.68
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	10	0.68
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	10	0.68
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	10	0.68
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	6	0.68
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	6	0.68
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	6	0.68
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	11	0.68
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	11	0.68
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	11	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	3	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	3	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	3	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	4	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	4	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	4	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	6	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	6	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	6	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	7	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	7	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	7	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	10	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	10	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	10	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	12	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	12	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	12	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	13	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	13	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	13	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	14	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	14	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	14	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	15	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	15	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	15	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	17	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	17	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	17	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	18	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	18	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	18	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	20	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	20	0.68
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	20	0.68
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	2	0.68
(1,70)	1:448:A:SER:HB3	1:448:A:SER:H	16	0.68
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	11	0.68
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	12	0.68
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	18	0.68
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	19	0.68
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	4	0.68
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	4	0.68
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	20	0.68
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	20	0.68
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	6	0.67
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	6	0.67
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	8	0.67
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	19	0.67
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	15	0.67
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	20	0.67
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	2	0.67
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	8	0.67
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	17	0.67
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	8	0.67
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	7	0.67
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	8	0.67
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	10	0.67
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	11	0.67
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	12	0.67
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	13	0.67
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	14	0.67
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	17	0.67
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	18	0.67
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	6	0.67
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	15	0.67
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	1	0.67
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	3	0.67
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	6	0.67
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	19	0.67
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	20	0.67
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	8	0.67
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	10	0.67
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	19	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	20	0.67
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	15	0.67
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	18	0.67
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	6	0.67
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	6	0.67
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	6	0.67
(1,4326)	1:397:A:ASN:HD21	1:397:A:ASN:HA	6	0.67
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	5	0.67
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	10	0.67
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	19	0.67
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	1	0.67
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	2	0.67
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	6	0.67
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	12	0.67
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	15	0.67
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	1	0.67
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	19	0.67
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	1	0.67
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	10	0.67
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	5	0.67
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	5	0.67
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	5	0.67
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	5	0.67
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	5	0.67
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	5	0.67
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	20	0.67
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	20	0.67
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	20	0.67
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	17	0.67
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	17	0.67
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	17	0.67
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	17	0.67
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	17	0.67
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	17	0.67
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	9	0.67
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	9	0.67
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	10	0.67
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	10	0.67
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	11	0.67
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	11	0.67
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	6	0.67
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	6	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	6	0.67
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	6	0.67
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	6	0.67
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	6	0.67
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	9	0.67
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	9	0.67
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	9	0.67
(1,3649)	1:415:A:TRP:HZ3	1:414:A:ASP:HB3	4	0.67
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	2	0.67
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	2	0.67
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	2	0.67
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	2	0.67
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	2	0.67
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	2	0.67
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	18	0.67
(1,3581)	1:382:A:PHE:HE1	1:414:A:ASP:HB2	9	0.67
(1,3581)	1:382:A:PHE:HE2	1:414:A:ASP:HB2	9	0.67
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	11	0.67
(1,3481)	1:376:A:PRO:HD3	1:375:A:THR:HA	18	0.67
(1,3390)	1:408:A:ASN:HB2	1:408:A:ASN:H	14	0.67
(1,3390)	1:408:A:ASN:HB2	1:408:A:ASN:H	19	0.67
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	8	0.67
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	8	0.67
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	8	0.67
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	17	0.67
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	17	0.67
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	17	0.67
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	6	0.67
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG21	2	0.67
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG22	2	0.67
(1,3252)	1:463:A:VAL:HA	1:463:A:VAL:HG23	2	0.67
(1,3224)	1:382:A:PHE:HB2	1:382:A:PHE:HA	16	0.67
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	7	0.67
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	7	0.67
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	7	0.67
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	11	0.67
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	11	0.67
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	11	0.67
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	12	0.67
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	12	0.67
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	12	0.67
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	6	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	7	0.67
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	20	0.67
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	15	0.67
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	12	0.67
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	13	0.67
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	11	0.67
(1,3161)	1:345:A:ILE:HA	1:345:A:ILE:H	16	0.67
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	3	0.67
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	9	0.67
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	3	0.67
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	8	0.67
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	9	0.67
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	16	0.67
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	3	0.67
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	12	0.67
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	11	0.67
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	11	0.67
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	11	0.67
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	13	0.67
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	13	0.67
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	13	0.67
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	16	0.67
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	16	0.67
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	16	0.67
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	7	0.67
(1,2990)	1:433:A:LEU:HB2	1:433:A:LEU:HG	19	0.67
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	15	0.67
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	20	0.67
(1,2846)	1:364:A:LEU:HD11	1:364:A:LEU:HA	9	0.67
(1,2846)	1:364:A:LEU:HD12	1:364:A:LEU:HA	9	0.67
(1,2846)	1:364:A:LEU:HD13	1:364:A:LEU:HA	9	0.67
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	19	0.67
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	11	0.67
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	12	0.67
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	15	0.67
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	18	0.67
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	20	0.67
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	20	0.67
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	2	0.67
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	6	0.67
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	7	0.67
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	4	0.67
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	5	0.67
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	7	0.67
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	10	0.67
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	11	0.67
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	14	0.67
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	15	0.67
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	16	0.67
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	17	0.67
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	18	0.67
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD11	9	0.67
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD12	9	0.67
(1,2691)	1:364:A:LEU:HA	1:364:A:LEU:HD13	9	0.67
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	15	0.67
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	4	0.67
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	4	0.67
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	10	0.67
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	9	0.67
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	9	0.67
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	19	0.67
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	6	0.67
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	3	0.67
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	4	0.67
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	8	0.67
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	11	0.67
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	18	0.67
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	20	0.67
(1,2451)	1:378:A:PRO:HB2	1:377:A:THR:HA	2	0.67
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	8	0.67
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	11	0.67
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	5	0.67
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	5	0.67
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	5	0.67
(1,2388)	1:420:A:ILE:HG21	1:421:A:HIS:HA	16	0.67
(1,2388)	1:420:A:ILE:HG22	1:421:A:HIS:HA	16	0.67
(1,2388)	1:420:A:ILE:HG23	1:421:A:HIS:HA	16	0.67
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	8	0.67
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	15	0.67
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	6	0.67
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	14	0.67
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	1	0.67
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	12	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	18	0.67
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	10	0.67
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	4	0.67
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	2	0.67
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	2	0.67
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	2	0.67
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	4	0.67
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	4	0.67
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	4	0.67
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	8	0.67
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	8	0.67
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	8	0.67
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	12	0.67
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	12	0.67
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	12	0.67
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	13	0.67
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	13	0.67
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	13	0.67
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	14	0.67
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	14	0.67
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	14	0.67
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	15	0.67
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	15	0.67
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	15	0.67
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	17	0.67
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	17	0.67
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	17	0.67
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	19	0.67
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	19	0.67
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	19	0.67
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	18	0.67
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	18	0.67
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	15	0.67
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	15	0.67
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	15	0.67
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	15	0.67
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	15	0.67
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	15	0.67
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	15	0.67
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	15	0.67
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	15	0.67
(1,2084)	1:389:A:GLU:HB3	1:388:A:GLU:HA	6	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2076)	1:376:A:PRO:HD3	1:375:A:THR:H	12	0.67
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	6	0.67
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	2	0.67
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	4	0.67
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	10	0.67
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	19	0.67
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	6	0.67
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	6	0.67
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	6	0.67
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	7	0.67
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	7	0.67
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	7	0.67
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	10	0.67
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	10	0.67
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	10	0.67
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	11	0.67
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	11	0.67
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	11	0.67
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	12	0.67
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	12	0.67
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	12	0.67
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	16	0.67
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	16	0.67
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	16	0.67
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	16	0.67
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	14	0.67
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	6	0.67
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	9	0.67
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	15	0.67
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	17	0.67
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	11	0.67
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	1	0.67
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	1	0.67
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	1	0.67
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	3	0.67
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	2	0.67
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	5	0.67
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	8	0.67
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	16	0.67
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	8	0.67
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	9	0.67
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	18	0.67
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	2	0.67
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	2	0.67
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	2	0.67
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	11	0.67
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	7	0.67
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	4	0.67
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	7	0.67
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	8	0.67
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	9	0.67
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	14	0.67
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	15	0.67
(1,1587)	1:388:A:GLU:HG2	1:388:A:GLU:HB2	20	0.67
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	2	0.67
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	3	0.67
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	4	0.67
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	8	0.67
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	9	0.67
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	10	0.67
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	11	0.67
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	13	0.67
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	15	0.67
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	16	0.67
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	17	0.67
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	19	0.67
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	3	0.67
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	3	0.67
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	3	0.67
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	5	0.67
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	5	0.67
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	5	0.67
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	15	0.67
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	15	0.67
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	15	0.67
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	16	0.67
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	16	0.67
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	16	0.67
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	10	0.67
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	18	0.67
(1,1414)	1:444:A:ASN:HB2	1:444:A:ASN:HA	16	0.67
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	12	0.67
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	4	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	8	0.67
(1,1350)	1:453:A:LEU:HB2	1:453:A:LEU:HA	7	0.67
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	7	0.67
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	7	0.67
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	7	0.67
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	7	0.67
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	7	0.67
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	7	0.67
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	7	0.67
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	7	0.67
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	7	0.67
(1,1334)	1:393:A:LEU:HD11	1:392:A:THR:HA	10	0.67
(1,1334)	1:393:A:LEU:HD12	1:392:A:THR:HA	10	0.67
(1,1334)	1:393:A:LEU:HD13	1:392:A:THR:HA	10	0.67
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	1	0.67
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	15	0.67
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	16	0.67
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	19	0.67
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	1	0.67
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	5	0.67
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	9	0.67
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	14	0.67
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	17	0.67
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	20	0.67
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	3	0.67
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	5	0.67
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	10	0.67
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	13	0.67
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	16	0.67
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	3	0.67
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	4	0.67
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	5	0.67
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	7	0.67
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	13	0.67
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	16	0.67
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	4	0.67
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	8	0.67
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	9	0.67
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	18	0.67
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	20	0.67
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	15	0.67
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	5	0.67
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	12	0.67
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	13	0.67
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	5	0.67
(1,1143)	1:370:A:SER:HB2	1:370:A:SER:HG	12	0.67
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	3	0.67
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	16	0.67
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	15	0.67
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	4	0.67
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	5	0.67
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	9	0.67
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	9	0.67
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	9	0.67
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	10	0.67
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	10	0.67
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	10	0.67
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	13	0.67
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	6	0.67
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	6	0.67
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	6	0.67
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	17	0.67
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	17	0.67
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	17	0.67
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	19	0.67
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	19	0.67
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	19	0.67
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	8	0.67
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	8	0.67
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	10	0.67
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	10	0.67
(1,855)	1:397:A:ASN:HA	1:397:A:ASN:HD21	13	0.67
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	8	0.67
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	8	0.67
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	3	0.67
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	11	0.67
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	9	0.67
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	18	0.67
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	1	0.67
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	2	0.67
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	4	0.67
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	8	0.67
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	17	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,517)	1:348:A:ASP:HA	1:349:A:LEU:H	3	0.67
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	3	0.67
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	3	0.67
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	3	0.67
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	3	0.67
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	3	0.67
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	3	0.67
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	3	0.67
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	3	0.67
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	3	0.67
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	9	0.67
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	9	0.67
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	9	0.67
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	9	0.67
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	9	0.67
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	9	0.67
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	9	0.67
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	9	0.67
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	9	0.67
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	20	0.67
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	20	0.67
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	20	0.67
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	20	0.67
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	20	0.67
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	20	0.67
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	20	0.67
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	20	0.67
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	20	0.67
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	3	0.67
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	16	0.67
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	2	0.67
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	3	0.67
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	4	0.67
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	7	0.67
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	9	0.67
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	10	0.67
(1,479)	1:358:A:LYS:HB2	1:358:A:LYS:HB3	15	0.67
(1,428)	1:408:A:ASN:HB2	1:407:A:VAL:HA	10	0.67
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	3	0.67
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	3	0.67
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	3	0.67
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	8	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	8	0.67
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	8	0.67
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	10	0.67
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	10	0.67
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	10	0.67
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	12	0.67
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	12	0.67
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	12	0.67
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	15	0.67
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	15	0.67
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	15	0.67
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	10	0.67
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	14	0.67
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	16	0.67
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	17	0.67
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	2	0.67
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	2	0.67
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	2	0.67
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	9	0.67
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	9	0.67
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	9	0.67
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	13	0.67
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	13	0.67
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	13	0.67
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	16	0.67
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	16	0.67
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	16	0.67
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	3	0.67
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	5	0.67
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	10	0.67
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	13	0.67
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	16	0.67
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	13	0.67
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	13	0.67
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	13	0.67
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	17	0.67
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	17	0.67
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	17	0.67
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	18	0.67
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	18	0.67
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	18	0.67
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	1	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	1	0.67
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	1	0.67
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	8	0.67
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	8	0.67
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	8	0.67
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG21	19	0.67
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG22	19	0.67
(1,157)	1:413:A:ILE:HB	1:413:A:ILE:HG23	19	0.67
(1,70)	1:448:A:SER:HB3	1:448:A:SER:H	1	0.67
(1,70)	1:448:A:SER:HB3	1:448:A:SER:H	2	0.67
(1,70)	1:448:A:SER:HB3	1:448:A:SER:H	12	0.67
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	1	0.67
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	3	0.67
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	4	0.67
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	5	0.67
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	6	0.67
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	7	0.67
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	9	0.67
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	15	0.67
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	16	0.67
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD1	5	0.67
(1,35)	1:466:A:PHE:HB3	1:466:A:PHE:HD2	5	0.67
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	4	0.66
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	5	0.66
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	5	0.66
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	14	0.66
(1,4902)	1:429:A:TYR:H	1:428:A:GLU:HG3	5	0.66
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	18	0.66
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	10	0.66
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	10	0.66
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	6	0.66
(1,4810)	1:439:A:SER:H	1:372:A:LYS:HB3	13	0.66
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	9	0.66
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	13	0.66
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	18	0.66
(1,4795)	1:409:A:TYR:H	1:408:A:ASN:HD22	5	0.66
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	13	0.66
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	16	0.66
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	5	0.66
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	6	0.66
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	9	0.66
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	16	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	5	0.66
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	3	0.66
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	4	0.66
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	7	0.66
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	9	0.66
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	13	0.66
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	15	0.66
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	10	0.66
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	1	0.66
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	1	0.66
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	1	0.66
(1,4519)	1:441:A:GLY:H	1:442:A:CYS:HB2	17	0.66
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	18	0.66
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	13	0.66
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	12	0.66
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	19	0.66
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	10	0.66
(1,4339)	1:372:A:LYS:H	1:372:A:LYS:HG2	11	0.66
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	4	0.66
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	2	0.66
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	17	0.66
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	18	0.66
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	3	0.66
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	9	0.66
(1,4259)	1:435:A:LYS:H	1:435:A:LYS:HD3	18	0.66
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	3	0.66
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	14	0.66
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	18	0.66
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	2	0.66
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	12	0.66
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	17	0.66
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	18	0.66
(1,3925)	1:388:A:GLU:H	1:388:A:GLU:HG2	20	0.66
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	10	0.66
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	10	0.66
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	10	0.66
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	10	0.66
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	10	0.66
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	10	0.66
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	14	0.66
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	14	0.66
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	14	0.66
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	14	0.66
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	14	0.66
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	8	0.66
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	8	0.66
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	8	0.66
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	8	0.66
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	8	0.66
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	8	0.66
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	13	0.66
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	13	0.66
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	13	0.66
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	13	0.66
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	13	0.66
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	13	0.66
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	16	0.66
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	16	0.66
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	12	0.66
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	4	0.66
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	4	0.66
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	7	0.66
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	7	0.66
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	15	0.66
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	15	0.66
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	18	0.66
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	18	0.66
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	19	0.66
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	19	0.66
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	20	0.66
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	20	0.66
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	20	0.66
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	20	0.66
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	20	0.66
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	20	0.66
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	20	0.66
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	20	0.66
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	11	0.66
(1,3581)	1:382:A:PHE:HE1	1:414:A:ASP:HB2	13	0.66
(1,3581)	1:382:A:PHE:HE2	1:414:A:ASP:HB2	13	0.66
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	4	0.66
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	8	0.66
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	18	0.66
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	19	0.66
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	2	0.66
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	2	0.66
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	2	0.66
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	3	0.66
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	3	0.66
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	3	0.66
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	6	0.66
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	6	0.66
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	6	0.66
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	16	0.66
(1,3390)	1:408:A:ASN:HB2	1:408:A:ASN:H	7	0.66
(1,3390)	1:408:A:ASN:HB2	1:408:A:ASN:H	15	0.66
(1,3390)	1:408:A:ASN:HB2	1:408:A:ASN:H	20	0.66
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	4	0.66
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	4	0.66
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	4	0.66
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	7	0.66
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	7	0.66
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	7	0.66
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	16	0.66
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	16	0.66
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	16	0.66
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	3	0.66
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	7	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	1	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	1	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	1	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	2	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	2	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	2	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	3	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	3	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	3	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	5	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	5	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	5	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	6	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	6	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	6	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	8	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	8	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	8	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	13	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	13	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	13	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	15	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	15	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	15	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	16	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	16	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	16	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	18	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	18	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	18	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	19	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	19	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	19	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	20	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	20	0.66
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	20	0.66
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	2	0.66
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD21	16	0.66
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD22	16	0.66
(1,3176)	1:393:A:LEU:HB2	1:393:A:LEU:HD23	16	0.66
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	3	0.66
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	6	0.66
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	8	0.66
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	16	0.66
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	7	0.66
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	4	0.66
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	8	0.66
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	12	0.66
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	15	0.66
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	19	0.66
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	4	0.66
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	19	0.66
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	1	0.66
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	2	0.66
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	4	0.66
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	5	0.66
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	6	0.66
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	8	0.66
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	9	0.66
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	10	0.66
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	11	0.66
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	13	0.66
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	14	0.66
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	15	0.66
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	16	0.66
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	17	0.66
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	18	0.66
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	19	0.66
(1,3119)	1:395:A:GLY:HA3	1:395:A:GLY:HA2	20	0.66
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	1	0.66
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	1	0.66
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	1	0.66
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	2	0.66
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	2	0.66
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	2	0.66
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	12	0.66
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	12	0.66
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	12	0.66
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	15	0.66
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	15	0.66
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	15	0.66
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	2	0.66
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	17	0.66
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	11	0.66
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	20	0.66
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	10	0.66
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	2	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	1	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	2	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	3	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	4	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	5	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	6	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	7	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	8	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	9	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	10	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	11	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	12	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	13	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	14	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	15	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	16	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	17	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	18	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	19	0.66
(1,2818)	1:437:A:ARG:HB2	1:437:A:ARG:HB3	20	0.66
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	5	0.66
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	8	0.66
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	12	0.66
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	16	0.66
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	9	0.66
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	16	0.66
(1,2754)	1:412:A:PRO:HD3	1:410:A:TRP:HE1	18	0.66
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	13	0.66
(1,2706)	1:437:A:ARG:HB3	1:437:A:ARG:HD3	11	0.66
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	9	0.66
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	12	0.66
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	13	0.66
(1,2705)	1:347:A:VAL:HB	1:347:A:VAL:H	20	0.66
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	1	0.66
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	11	0.66
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	13	0.66
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	14	0.66
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	16	0.66
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	18	0.66
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	19	0.66
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	20	0.66
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	20	0.66
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	13	0.66
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	13	0.66
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	4	0.66
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	5	0.66
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	5	0.66
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	8	0.66
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	8	0.66
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	12	0.66
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	12	0.66
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	20	0.66
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	20	0.66
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	16	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	7	0.66
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	12	0.66
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	17	0.66
(1,2406)	1:344:A:TYR:HA	1:345:A:ILE:H	12	0.66
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	1	0.66
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	3	0.66
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	4	0.66
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	10	0.66
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	1	0.66
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	4	0.66
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	10	0.66
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	11	0.66
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	12	0.66
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	13	0.66
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	14	0.66
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	17	0.66
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	19	0.66
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	13	0.66
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	4	0.66
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	17	0.66
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	19	0.66
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	4	0.66
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	3	0.66
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	3	0.66
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	3	0.66
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	5	0.66
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	5	0.66
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	5	0.66
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	6	0.66
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	6	0.66
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	6	0.66
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	7	0.66
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	7	0.66
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	7	0.66
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	9	0.66
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	9	0.66
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	9	0.66
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	2	0.66
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	2	0.66
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	2	0.66
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	2	0.66
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	2	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	2	0.66
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	2	0.66
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	2	0.66
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	2	0.66
(1,2042)	1:429:A:TYR:HA	1:428:A:GLU:HB2	10	0.66
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	3	0.66
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	3	0.66
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	3	0.66
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	12	0.66
(1,1888)	1:392:A:THR:HA	1:393:A:LEU:H	10	0.66
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	15	0.66
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	18	0.66
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	20	0.66
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	1	0.66
(1,1765)	1:361:A:LYS:HE2	1:361:A:LYS:HB2	12	0.66
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	2	0.66
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	3	0.66
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	4	0.66
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	5	0.66
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	6	0.66
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	7	0.66
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	10	0.66
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	11	0.66
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	12	0.66
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	13	0.66
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	14	0.66
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	19	0.66
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	14	0.66
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	14	0.66
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	14	0.66
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	17	0.66
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	16	0.66
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	16	0.66
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	16	0.66
(1,1653)	1:449:A:VAL:HG21	1:449:A:VAL:H	20	0.66
(1,1653)	1:449:A:VAL:HG22	1:449:A:VAL:H	20	0.66
(1,1653)	1:449:A:VAL:HG23	1:449:A:VAL:H	20	0.66
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	6	0.66
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	8	0.66
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	18	0.66
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	19	0.66
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	3	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	12	0.66
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	1	0.66
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	5	0.66
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	6	0.66
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	7	0.66
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	12	0.66
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	14	0.66
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	18	0.66
(1,1560)	1:414:A:ASP:HA	1:414:A:ASP:H	20	0.66
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	11	0.66
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	11	0.66
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	11	0.66
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	2	0.66
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	5	0.66
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	9	0.66
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	11	0.66
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	16	0.66
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD11	6	0.66
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD12	6	0.66
(1,1429)	1:453:A:LEU:HB2	1:453:A:LEU:HD13	6	0.66
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	1	0.66
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	2	0.66
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	8	0.66
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	12	0.66
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	14	0.66
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	15	0.66
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	19	0.66
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	2	0.66
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	2	0.66
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	2	0.66
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	2	0.66
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	2	0.66
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	2	0.66
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	2	0.66
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	2	0.66
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	2	0.66
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	3	0.66
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	3	0.66
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	3	0.66
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	3	0.66
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	3	0.66
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	3	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	3	0.66
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	3	0.66
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	3	0.66
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	12	0.66
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	12	0.66
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	12	0.66
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	12	0.66
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	12	0.66
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	12	0.66
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	12	0.66
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	12	0.66
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	12	0.66
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	13	0.66
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	13	0.66
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	13	0.66
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	13	0.66
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	13	0.66
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	13	0.66
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	13	0.66
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	13	0.66
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	13	0.66
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	16	0.66
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	16	0.66
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	16	0.66
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	16	0.66
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	16	0.66
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	16	0.66
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	16	0.66
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	16	0.66
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	16	0.66
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	16	0.66
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	16	0.66
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	16	0.66
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	17	0.66
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	18	0.66
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	20	0.66
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	2	0.66
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	4	0.66
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	6	0.66
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	7	0.66
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	8	0.66
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	10	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	12	0.66
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	13	0.66
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	16	0.66
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	18	0.66
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	2	0.66
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	11	0.66
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	1	0.66
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	2	0.66
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	7	0.66
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	11	0.66
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	17	0.66
(1,1153)	1:421:A:HIS:HA	1:421:A:HIS:HB2	19	0.66
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	9	0.66
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	17	0.66
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	18	0.66
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	19	0.66
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	20	0.66
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	6	0.66
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	17	0.66
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	19	0.66
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	10	0.66
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	17	0.66
(1,1035)	1:459:A:LYS:HG3	1:459:A:LYS:H	18	0.66
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	3	0.66
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	8	0.66
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	9	0.66
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	12	0.66
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	13	0.66
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	14	0.66
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	16	0.66
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	5	0.66
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	5	0.66
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	5	0.66
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	7	0.66
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	7	0.66
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	9	0.66
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	9	0.66
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	11	0.66
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	11	0.66
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	16	0.66
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	16	0.66
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	20	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	20	0.66
(1,855)	1:397:A:ASN:HA	1:397:A:ASN:HD21	19	0.66
(1,855)	1:397:A:ASN:HA	1:397:A:ASN:HD21	20	0.66
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	15	0.66
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	15	0.66
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	18	0.66
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	18	0.66
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	19	0.66
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	19	0.66
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	20	0.66
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	20	0.66
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	17	0.66
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	16	0.66
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	18	0.66
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	19	0.66
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	5	0.66
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	15	0.66
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	16	0.66
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	4	0.66
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	4	0.66
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	4	0.66
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	4	0.66
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	4	0.66
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	4	0.66
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	4	0.66
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	4	0.66
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	4	0.66
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	8	0.66
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	8	0.66
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	8	0.66
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	8	0.66
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	8	0.66
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	8	0.66
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	8	0.66
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	8	0.66
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	8	0.66
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	11	0.66
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	11	0.66
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	11	0.66
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	11	0.66
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	11	0.66
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	11	0.66
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	11	0.66
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	11	0.66
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	17	0.66
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	17	0.66
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	17	0.66
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	17	0.66
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	17	0.66
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	17	0.66
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	17	0.66
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	17	0.66
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	17	0.66
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	6	0.66
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	3	0.66
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	1	0.66
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	1	0.66
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	1	0.66
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	2	0.66
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	2	0.66
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	2	0.66
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	5	0.66
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	5	0.66
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	5	0.66
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	13	0.66
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	13	0.66
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	13	0.66
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	18	0.66
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	18	0.66
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	18	0.66
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	19	0.66
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	19	0.66
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	19	0.66
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	9	0.66
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	9	0.66
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	9	0.66
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	11	0.66
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	11	0.66
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	11	0.66
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	6	0.66
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	7	0.66
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	11	0.66
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	11	0.66
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	11	0.66
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	1	0.66
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	1	0.66
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	1	0.66
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	4	0.66
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	4	0.66
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	4	0.66
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	17	0.66
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	17	0.66
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	17	0.66
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	19	0.66
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	19	0.66
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	19	0.66
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	20	0.66
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	20	0.66
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	20	0.66
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	3	0.66
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	3	0.66
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	3	0.66
(1,119)	1:357:A:TYR:HA	1:358:A:LYS:H	9	0.66
(1,70)	1:448:A:SER:HB3	1:448:A:SER:H	20	0.66
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	2	0.66
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	10	0.66
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	13	0.66
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	14	0.66
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	17	0.66
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	20	0.66
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	11	0.65
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE1	13	0.65
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE2	13	0.65
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	19	0.65
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	20	0.65
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	10	0.65
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	13	0.65
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	20	0.65
(1,4902)	1:429:A:TYR:H	1:428:A:GLU:HG3	3	0.65
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	16	0.65
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	18	0.65
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	18	0.65
(1,4855)	1:434:A:TRP:HE1	1:435:A:LYS:HE2	16	0.65
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	12	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	17	0.65
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	3	0.65
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	4	0.65
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	15	0.65
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	1	0.65
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	12	0.65
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	6	0.65
(1,4758)	1:408:A:ASN:HD22	1:407:A:VAL:HB	7	0.65
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	1	0.65
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	3	0.65
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	3	0.65
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	10	0.65
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	10	0.65
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	17	0.65
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	17	0.65
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	7	0.65
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	7	0.65
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	7	0.65
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	8	0.65
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	19	0.65
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	8	0.65
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	14	0.65
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	16	0.65
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	20	0.65
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	6	0.65
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	12	0.65
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	14	0.65
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	15	0.65
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	1	0.65
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	11	0.65
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	13	0.65
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	14	0.65
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	15	0.65
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	20	0.65
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	11	0.65
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	13	0.65
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	15	0.65
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	3	0.65
(1,4097)	1:425:A:TRP:HE1	1:423:A:SER:HB3	11	0.65
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	1	0.65
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	18	0.65
(1,4041)	1:405:A:SER:H	1:406:A:PRO:HA	6	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	3	0.65
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	1	0.65
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	1	0.65
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	1	0.65
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	1	0.65
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	1	0.65
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	1	0.65
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	8	0.65
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	8	0.65
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	8	0.65
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	8	0.65
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	8	0.65
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	8	0.65
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	11	0.65
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	11	0.65
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	11	0.65
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	11	0.65
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	11	0.65
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	11	0.65
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	16	0.65
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	16	0.65
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	16	0.65
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	16	0.65
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	16	0.65
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	16	0.65
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	14	0.65
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	14	0.65
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	14	0.65
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	6	0.65
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	6	0.65
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	6	0.65
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	6	0.65
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	6	0.65
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	6	0.65
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	14	0.65
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	14	0.65
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	14	0.65
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	14	0.65
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	14	0.65
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	14	0.65
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	20	0.65
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	20	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	20	0.65
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	20	0.65
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	20	0.65
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	20	0.65
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	20	0.65
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	20	0.65
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	20	0.65
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	3	0.65
(1,3735)	1:383:A:TYR:HD1	1:462:A:PRO:HD2	1	0.65
(1,3735)	1:383:A:TYR:HD2	1:462:A:PRO:HD2	1	0.65
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	3	0.65
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	3	0.65
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	5	0.65
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	5	0.65
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	8	0.65
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	8	0.65
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	9	0.65
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	9	0.65
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	11	0.65
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	11	0.65
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	12	0.65
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	12	0.65
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	14	0.65
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	14	0.65
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	16	0.65
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	16	0.65
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	17	0.65
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	17	0.65
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	1	0.65
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	1	0.65
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	1	0.65
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	7	0.65
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	7	0.65
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	7	0.65
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	2	0.65
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	2	0.65
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	2	0.65
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	2	0.65
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	2	0.65
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	2	0.65
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	14	0.65
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	14	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	14	0.65
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	14	0.65
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	14	0.65
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	14	0.65
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	11	0.65
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	11	0.65
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	11	0.65
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	11	0.65
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	11	0.65
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	11	0.65
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	16	0.65
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	16	0.65
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	16	0.65
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	16	0.65
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	16	0.65
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	16	0.65
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	3	0.65
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	13	0.65
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	1	0.65
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	2	0.65
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	3	0.65
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	5	0.65
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	6	0.65
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	7	0.65
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	9	0.65
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	10	0.65
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	11	0.65
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	12	0.65
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	13	0.65
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	15	0.65
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	16	0.65
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	17	0.65
(1,3532)	1:434:A:TRP:HZ3	1:434:A:TRP:HE3	20	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	1	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	1	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	1	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	4	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	4	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	4	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	5	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	5	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	5	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	7	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	7	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	7	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	8	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	8	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	8	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	9	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	9	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	9	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	11	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	11	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	11	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	12	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	12	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	12	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	13	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	13	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	13	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	14	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	14	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	14	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	15	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	15	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	15	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	16	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	16	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	16	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	17	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	17	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	17	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	18	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	18	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	18	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	19	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	19	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	19	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	20	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	20	0.65
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	20	0.65
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	9	0.65
(1,3390)	1:408:A:ASN:HB2	1:408:A:ASN:H	1	0.65
(1,3390)	1:408:A:ASN:HB2	1:408:A:ASN:H	2	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3390)	1:408:A:ASN:HB2	1:408:A:ASN:H	6	0.65
(1,3390)	1:408:A:ASN:HB2	1:408:A:ASN:H	8	0.65
(1,3390)	1:408:A:ASN:HB2	1:408:A:ASN:H	9	0.65
(1,3390)	1:408:A:ASN:HB2	1:408:A:ASN:H	11	0.65
(1,3390)	1:408:A:ASN:HB2	1:408:A:ASN:H	17	0.65
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	3	0.65
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	3	0.65
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	3	0.65
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	3	0.65
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	3	0.65
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	3	0.65
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	10	0.65
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	10	0.65
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	10	0.65
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	10	0.65
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	10	0.65
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	10	0.65
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	12	0.65
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	12	0.65
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	12	0.65
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	2	0.65
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	5	0.65
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	4	0.65
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	4	0.65
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	4	0.65
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	10	0.65
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	10	0.65
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	10	0.65
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	14	0.65
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	14	0.65
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	14	0.65
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	19	0.65
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	8	0.65
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	20	0.65
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	1	0.65
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	10	0.65
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	14	0.65
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	18	0.65
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	1	0.65
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	18	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	1	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	2	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	3	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	4	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	5	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	6	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	7	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	8	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	9	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	10	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	11	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	12	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	13	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	14	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	15	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	16	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	17	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	18	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	19	0.65
(1,3129)	1:456:A:MET:HB3	1:456:A:MET:HB2	20	0.65
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	17	0.65
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	20	0.65
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	5	0.65
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	3	0.65
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	3	0.65
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	3	0.65
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	9	0.65
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	9	0.65
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	9	0.65
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	14	0.65
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	14	0.65
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	14	0.65
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	17	0.65
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	17	0.65
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	17	0.65
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	18	0.65
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	18	0.65
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	18	0.65
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	20	0.65
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	20	0.65
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	20	0.65
(1,3046)	1:342:A:ASP:HB3	1:343:A:THR:H	16	0.65
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	16	0.65
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	17	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	1	0.65
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	3	0.65
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	6	0.65
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	10	0.65
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	18	0.65
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	2	0.65
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	6	0.65
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	7	0.65
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	5	0.65
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	17	0.65
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	20	0.65
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	13	0.65
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	2	0.65
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	3	0.65
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	4	0.65
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	5	0.65
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	7	0.65
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	8	0.65
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	10	0.65
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	15	0.65
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	17	0.65
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	8	0.65
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	6	0.65
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	12	0.65
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	7	0.65
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	9	0.65
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	14	0.65
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	1	0.65
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	2	0.65
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	14	0.65
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	1	0.65
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	2	0.65
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	17	0.65
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	5	0.65
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	10	0.65
(1,2424)	1:421:A:HIS:HA	1:422:A:ASP:H	16	0.65
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	2	0.65
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	2	0.65
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	6	0.65
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	14	0.65
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	15	0.65
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	5	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	16	0.65
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	18	0.65
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	20	0.65
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	7	0.65
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	15	0.65
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	6	0.65
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	4	0.65
(1,2145)	1:457:A:VAL:HG11	1:457:A:VAL:H	1	0.65
(1,2145)	1:457:A:VAL:HG12	1:457:A:VAL:H	1	0.65
(1,2145)	1:457:A:VAL:HG13	1:457:A:VAL:H	1	0.65
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	1	0.65
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	3	0.65
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	3	0.65
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	9	0.65
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	9	0.65
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	17	0.65
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	17	0.65
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	17	0.65
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	17	0.65
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	17	0.65
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	17	0.65
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	17	0.65
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	17	0.65
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	17	0.65
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	19	0.65
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	19	0.65
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	19	0.65
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	19	0.65
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	19	0.65
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	19	0.65
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	19	0.65
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	19	0.65
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	19	0.65
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	3	0.65
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	3	0.65
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	3	0.65
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	3	0.65
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	3	0.65
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	3	0.65
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	3	0.65
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	3	0.65
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	3	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	4	0.65
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	20	0.65
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	15	0.65
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	15	0.65
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	15	0.65
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	1	0.65
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	4	0.65
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	9	0.65
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	17	0.65
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	5	0.65
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	5	0.65
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	5	0.65
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	18	0.65
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	18	0.65
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	18	0.65
(1,1923)	1:373:A:PRO:HB2	1:374:A:THR:H	1	0.65
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	4	0.65
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	7	0.65
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	14	0.65
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD21	2	0.65
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD22	2	0.65
(1,1882)	1:346:A:GLU:HG2	1:464:A:LEU:HD23	2	0.65
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	13	0.65
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	5	0.65
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	4	0.65
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	6	0.65
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	10	0.65
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	17	0.65
(1,1752)	1:352:A:GLN:HG2	1:353:A:HIS:H	18	0.65
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	16	0.65
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	1	0.65
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	16	0.65
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	17	0.65
(1,1726)	1:389:A:GLU:HG3	1:389:A:GLU:HG2	20	0.65
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	12	0.65
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	12	0.65
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	12	0.65
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	15	0.65
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	15	0.65
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	15	0.65
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	18	0.65
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	18	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	18	0.65
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	1	0.65
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	4	0.65
(1,1580)	1:395:A:GLY:HA3	1:396:A:THR:H	20	0.65
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	13	0.65
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	13	0.65
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	13	0.65
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	8	0.65
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	8	0.65
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	8	0.65
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	17	0.65
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	17	0.65
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	17	0.65
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	3	0.65
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	4	0.65
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	7	0.65
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	11	0.65
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	13	0.65
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	16	0.65
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	17	0.65
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	20	0.65
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	4	0.65
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	4	0.65
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	4	0.65
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	4	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	4	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	4	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	4	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	4	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	4	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	4	0.65
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	8	0.65
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	8	0.65
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	8	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	8	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	8	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	8	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	8	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	8	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	8	0.65
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	10	0.65
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	10	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	10	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	10	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	10	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	10	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	10	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	10	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	10	0.65
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	17	0.65
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	17	0.65
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	17	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	17	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	17	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	17	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	17	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	17	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	17	0.65
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	18	0.65
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	18	0.65
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	18	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	18	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	18	0.65
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	18	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	18	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	18	0.65
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	18	0.65
(1,1318)	1:457:A:VAL:HA	1:458:A:GLU:H	10	0.65
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	1	0.65
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	20	0.65
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	3	0.65
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	11	0.65
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	15	0.65
(1,1286)	1:447:A:PRO:HB3	1:447:A:PRO:HA	19	0.65
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	11	0.65
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	1	0.65
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	2	0.65
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	4	0.65
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	6	0.65
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	7	0.65
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	8	0.65
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	9	0.65
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	11	0.65
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	12	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	14	0.65
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	15	0.65
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	17	0.65
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	18	0.65
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	19	0.65
(1,1219)	1:408:A:ASN:HB2	1:408:A:ASN:HB3	20	0.65
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	14	0.65
(1,1149)	1:418:A:VAL:HA	1:419:A:GLY:H	16	0.65
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	2	0.65
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	8	0.65
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	16	0.65
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	16	0.65
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	1	0.65
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	13	0.65
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	15	0.65
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	5	0.65
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	4	0.65
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	4	0.65
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	17	0.65
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	17	0.65
(1,855)	1:397:A:ASN:HA	1:397:A:ASN:HD21	15	0.65
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	11	0.65
(1,747)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	16	0.65
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	15	0.65
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	1	0.65
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	2	0.65
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	10	0.65
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	14	0.65
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	10	0.65
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	1	0.65
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	1	0.65
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	1	0.65
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	1	0.65
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	1	0.65
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	1	0.65
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	1	0.65
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	1	0.65
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	1	0.65
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	6	0.65
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	6	0.65
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	6	0.65
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	6	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	6	0.65
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	6	0.65
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	6	0.65
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	6	0.65
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	6	0.65
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	14	0.65
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	14	0.65
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	14	0.65
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	14	0.65
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	14	0.65
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	14	0.65
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	14	0.65
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	14	0.65
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	14	0.65
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	16	0.65
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	16	0.65
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	16	0.65
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	16	0.65
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	16	0.65
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	16	0.65
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	16	0.65
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	16	0.65
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	16	0.65
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	15	0.65
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	4	0.65
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	4	0.65
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	4	0.65
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	7	0.65
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	7	0.65
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	7	0.65
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	11	0.65
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	11	0.65
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	11	0.65
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	14	0.65
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	14	0.65
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	14	0.65
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	16	0.65
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	16	0.65
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	16	0.65
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	17	0.65
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	17	0.65
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	17	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	20	0.65
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	20	0.65
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	20	0.65
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	2	0.65
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	2	0.65
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	2	0.65
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	5	0.65
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	13	0.65
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	15	0.65
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	18	0.65
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	19	0.65
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	3	0.65
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	5	0.65
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	7	0.65
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	1	0.65
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	1	0.65
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	1	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	5	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	5	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	5	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	6	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	6	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	6	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	7	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	7	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	7	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	8	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	8	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	8	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	12	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	12	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	12	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	15	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	15	0.65
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	15	0.65
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	1	0.65
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	2	0.65
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	4	0.65
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	6	0.65
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	7	0.65
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	8	0.65
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	9	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	11	0.65
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	12	0.65
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	14	0.65
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	15	0.65
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	17	0.65
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	18	0.65
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	19	0.65
(1,227)	1:408:A:ASN:HB3	1:408:A:ASN:HB2	20	0.65
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	8	0.65
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	8	0.65
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	8	0.65
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	14	0.65
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	14	0.65
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	14	0.65
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	20	0.65
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	20	0.65
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	20	0.65
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	7	0.65
(1,68)	1:377:A:THR:HA	1:377:A:THR:H	8	0.65
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	11	0.64
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	12	0.64
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	3	0.64
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	3	0.64
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	12	0.64
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	12	0.64
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	17	0.64
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	17	0.64
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	4	0.64
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	15	0.64
(1,4774)	1:368:A:ILE:H	1:368:A:ILE:HG13	1	0.64
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	11	0.64
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	7	0.64
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	7	0.64
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	16	0.64
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	16	0.64
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	17	0.64
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	1	0.64
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	10	0.64
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	18	0.64
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	9	0.64
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	16	0.64
(1,4368)	1:422:A:ASP:H	1:450:A:MET:HG3	19	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	2	0.64
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	3	0.64
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	8	0.64
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	3	0.64
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	4	0.64
(1,4273)	1:362:A:VAL:H	1:362:A:VAL:HB	16	0.64
(1,4205)	1:444:A:ASN:H	1:444:A:ASN:HB2	19	0.64
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	10	0.64
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	15	0.64
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	15	0.64
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	4	0.64
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	3	0.64
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	7	0.64
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	7	0.64
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	7	0.64
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	9	0.64
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	9	0.64
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	9	0.64
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	9	0.64
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	9	0.64
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	9	0.64
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	7	0.64
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	7	0.64
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	13	0.64
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	13	0.64
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	15	0.64
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	15	0.64
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	18	0.64
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	18	0.64
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	1	0.64
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	1	0.64
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	1	0.64
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	1	0.64
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	1	0.64
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	1	0.64
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	7	0.64
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	7	0.64
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	7	0.64
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	7	0.64
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	7	0.64
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	7	0.64
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	10	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	14	0.64
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	15	0.64
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	1	0.64
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	1	0.64
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	2	0.64
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	2	0.64
(1,3716)	1:409:A:TYR:HE1	1:409:A:TYR:HB3	6	0.64
(1,3716)	1:409:A:TYR:HE2	1:409:A:TYR:HB3	6	0.64
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	7	0.64
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	14	0.64
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	15	0.64
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	17	0.64
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	19	0.64
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	20	0.64
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	4	0.64
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	4	0.64
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	4	0.64
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	4	0.64
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	4	0.64
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	4	0.64
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	4	0.64
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	4	0.64
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	4	0.64
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	11	0.64
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	11	0.64
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	11	0.64
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	11	0.64
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	11	0.64
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	11	0.64
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	15	0.64
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	15	0.64
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	15	0.64
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	15	0.64
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	15	0.64
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	15	0.64
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	14	0.64
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	20	0.64
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG21	10	0.64
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG22	10	0.64
(1,3489)	1:461:A:THR:HB	1:461:A:THR:HG23	10	0.64
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	12	0.64
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	1	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	4	0.64
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	13	0.64
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	14	0.64
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	14	0.64
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	14	0.64
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	3	0.64
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	3	0.64
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	3	0.64
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	7	0.64
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	7	0.64
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	7	0.64
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	9	0.64
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	9	0.64
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	9	0.64
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD11	17	0.64
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD12	17	0.64
(1,3216)	1:433:A:LEU:HB2	1:433:A:LEU:HD13	17	0.64
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	2	0.64
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	11	0.64
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	12	0.64
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	20	0.64
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	5	0.64
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	9	0.64
(1,3136)	1:434:A:TRP:HA	1:434:A:TRP:HB2	15	0.64
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	12	0.64
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	3	0.64
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	12	0.64
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	17	0.64
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	1	0.64
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	2	0.64
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	3	0.64
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	4	0.64
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	5	0.64
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	9	0.64
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	10	0.64
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	11	0.64
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	12	0.64
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	14	0.64
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	15	0.64
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	17	0.64
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	18	0.64
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	19	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	20	0.64
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	6	0.64
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	6	0.64
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	6	0.64
(1,3055)	1:366:A:THR:HG21	1:366:A:THR:H	19	0.64
(1,3055)	1:366:A:THR:HG22	1:366:A:THR:H	19	0.64
(1,3055)	1:366:A:THR:HG23	1:366:A:THR:H	19	0.64
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	9	0.64
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	1	0.64
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	2	0.64
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	2	0.64
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	3	0.64
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	4	0.64
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	5	0.64
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	6	0.64
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	11	0.64
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	12	0.64
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	13	0.64
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	14	0.64
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	15	0.64
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	16	0.64
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	17	0.64
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	18	0.64
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	19	0.64
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	20	0.64
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	7	0.64
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	10	0.64
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	12	0.64
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	16	0.64
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	11	0.64
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	9	0.64
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	3	0.64
(1,2787)	1:459:A:LYS:HE2	1:459:A:LYS:HG3	14	0.64
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	1	0.64
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	2	0.64
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	3	0.64
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	4	0.64
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	6	0.64
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	7	0.64
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	8	0.64
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	9	0.64
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	10	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	11	0.64
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	12	0.64
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	13	0.64
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	14	0.64
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	15	0.64
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	16	0.64
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	18	0.64
(1,2785)	1:346:A:GLU:HG2	1:346:A:GLU:HG3	19	0.64
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	3	0.64
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	4	0.64
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	5	0.64
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	10	0.64
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	10	0.64
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	6	0.64
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	9	0.64
(1,2689)	1:365:A:GLU:HA	1:365:A:GLU:H	12	0.64
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	3	0.64
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	4	0.64
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	5	0.64
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	6	0.64
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	9	0.64
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	5	0.64
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	7	0.64
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	8	0.64
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	10	0.64
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	14	0.64
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	17	0.64
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	18	0.64
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	19	0.64
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	5	0.64
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	3	0.64
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	3	0.64
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	10	0.64
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	10	0.64
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	5	0.64
(1,2516)	1:422:A:ASP:HB3	1:422:A:ASP:HA	16	0.64
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	1	0.64
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	11	0.64
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	17	0.64
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	6	0.64
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	16	0.64
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	4	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	6	0.64
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	9	0.64
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	18	0.64
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	6	0.64
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	12	0.64
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	6	0.64
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	5	0.64
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	3	0.64
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	16	0.64
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	5	0.64
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	16	0.64
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	1	0.64
(1,2144)	1:383:A:TYR:HB3	1:383:A:TYR:HA	14	0.64
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	4	0.64
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	4	0.64
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	8	0.64
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	8	0.64
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	3	0.64
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	3	0.64
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	3	0.64
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	3	0.64
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	3	0.64
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	3	0.64
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	3	0.64
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	3	0.64
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	3	0.64
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	13	0.64
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	13	0.64
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	13	0.64
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	13	0.64
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	13	0.64
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	13	0.64
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	13	0.64
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	13	0.64
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	13	0.64
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	14	0.64
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	14	0.64
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	14	0.64
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	14	0.64
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	14	0.64
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	14	0.64
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	14	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	14	0.64
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	14	0.64
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	20	0.64
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	20	0.64
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	20	0.64
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	20	0.64
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	20	0.64
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	20	0.64
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	20	0.64
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	20	0.64
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	20	0.64
(1,2041)	1:412:A:PRO:HB2	1:413:A:ILE:H	18	0.64
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	2	0.64
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	16	0.64
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	19	0.64
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	7	0.64
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	14	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	1	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	1	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	1	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	2	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	2	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	2	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	3	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	3	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	3	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	4	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	4	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	4	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	7	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	7	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	7	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	9	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	9	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	9	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	12	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	12	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	12	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	13	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	13	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	13	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	16	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	16	0.64
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	16	0.64
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	13	0.64
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	13	0.64
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	13	0.64
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	19	0.64
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	5	0.64
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	5	0.64
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	5	0.64
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	8	0.64
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	8	0.64
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	8	0.64
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	17	0.64
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	17	0.64
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	17	0.64
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	20	0.64
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	20	0.64
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	20	0.64
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	10	0.64
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	18	0.64
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	6	0.64
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	9	0.64
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	3	0.64
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	18	0.64
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	7	0.64
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	3	0.64
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	12	0.64
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	15	0.64
(1,1752)	1:352:A:GLN:HG2	1:353:A:HIS:H	4	0.64
(1,1752)	1:352:A:GLN:HG2	1:353:A:HIS:H	8	0.64
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	4	0.64
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	4	0.64
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	4	0.64
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	9	0.64
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	9	0.64
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	9	0.64
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	11	0.64
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	11	0.64
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	11	0.64
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	20	0.64
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	20	0.64
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	20	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	10	0.64
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	16	0.64
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	19	0.64
(1,1598)	1:361:A:LYS:HB2	1:361:A:LYS:HD2	8	0.64
(1,1580)	1:395:A:GLY:HA3	1:396:A:THR:H	7	0.64
(1,1580)	1:395:A:GLY:HA3	1:396:A:THR:H	13	0.64
(1,1580)	1:395:A:GLY:HA3	1:396:A:THR:H	15	0.64
(1,1580)	1:395:A:GLY:HA3	1:396:A:THR:H	19	0.64
(1,1577)	1:387:A:LYS:HB3	1:387:A:LYS:H	6	0.64
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	5	0.64
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	5	0.64
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	5	0.64
(1,1490)	1:408:A:ASN:HB3	1:408:A:ASN:HD21	5	0.64
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	19	0.64
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	19	0.64
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	19	0.64
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	5	0.64
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	6	0.64
(1,1415)	1:435:A:LYS:HG2	1:435:A:LYS:HB3	9	0.64
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	1	0.64
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	10	0.64
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	9	0.64
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	9	0.64
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	9	0.64
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	9	0.64
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	9	0.64
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	9	0.64
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	9	0.64
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	9	0.64
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	9	0.64
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	11	0.64
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	11	0.64
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	11	0.64
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	11	0.64
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	11	0.64
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	11	0.64
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	11	0.64
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	11	0.64
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	11	0.64
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	15	0.64
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	15	0.64
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	15	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	15	0.64
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	15	0.64
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	15	0.64
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	15	0.64
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	15	0.64
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	15	0.64
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	4	0.64
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	19	0.64
(1,1254)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	4	0.64
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	6	0.64
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	2	0.64
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	12	0.64
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	9	0.64
(1,1113)	1:445:A:THR:HA	1:444:A:ASN:HB2	1	0.64
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	7	0.64
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	2	0.64
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	11	0.64
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	19	0.64
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	17	0.64
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	17	0.64
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	17	0.64
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	11	0.64
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	2	0.64
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	2	0.64
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	2	0.64
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	1	0.64
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	19	0.64
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	19	0.64
(1,855)	1:397:A:ASN:HA	1:397:A:ASN:HD21	4	0.64
(1,855)	1:397:A:ASN:HA	1:397:A:ASN:HD21	5	0.64
(1,855)	1:397:A:ASN:HA	1:397:A:ASN:HD21	12	0.64
(1,855)	1:397:A:ASN:HA	1:397:A:ASN:HD21	16	0.64
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	5	0.64
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	5	0.64
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	5	0.64
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	10	0.64
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	13	0.64
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	19	0.64
(1,719)	1:352:A:GLN:HG2	1:352:A:GLN:H	15	0.64
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	3	0.64
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	15	0.64
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	4	0.64
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	11	0.64
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	12	0.64
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	10	0.64
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	11	0.64
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	4	0.64
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	5	0.64
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	4	0.64
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	8	0.64
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	2	0.64
(1,392)	1:453:A:LEU:HD11	1:453:A:LEU:HA	9	0.64
(1,392)	1:453:A:LEU:HD12	1:453:A:LEU:HA	9	0.64
(1,392)	1:453:A:LEU:HD13	1:453:A:LEU:HA	9	0.64
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	4	0.64
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	4	0.64
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	4	0.64
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	5	0.64
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	5	0.64
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	5	0.64
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	20	0.64
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	6	0.64
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	13	0.64
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	7	0.64
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	7	0.64
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	7	0.64
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	18	0.64
(1,251)	1:361:A:LYS:HD3	1:361:A:LYS:H	14	0.64
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	3	0.64
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	3	0.64
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	3	0.64
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	14	0.64
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	14	0.64
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	14	0.64
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG21	18	0.64
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG22	18	0.64
(1,234)	1:345:A:ILE:HA	1:345:A:ILE:HG23	18	0.64
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	9	0.64
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	9	0.64
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	9	0.64
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	12	0.64
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	12	0.64
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	12	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	3	0.64
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	5	0.64
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	6	0.64
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	13	0.64
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	14	0.64
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	9	0.64
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	16	0.63
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	10	0.63
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	12	0.63
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	1	0.63
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	4	0.63
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	7	0.63
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	3	0.63
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	18	0.63
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	12	0.63
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	1	0.63
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	6	0.63
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	2	0.63
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	2	0.63
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	9	0.63
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	9	0.63
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	14	0.63
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	14	0.63
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	19	0.63
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	19	0.63
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	14	0.63
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	15	0.63
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	20	0.63
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	2	0.63
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	14	0.63
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	19	0.63
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	11	0.63
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	6	0.63
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	7	0.63
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	2	0.63
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	20	0.63
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	6	0.63
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	6	0.63
(1,4205)	1:444:A:ASN:H	1:444:A:ASN:HB2	17	0.63
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	1	0.63
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	5	0.63
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	8	0.63
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	12	0.63
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	14	0.63
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	18	0.63
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	8	0.63
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	3	0.63
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	12	0.63
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	10	0.63
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	2	0.63
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	2	0.63
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	2	0.63
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	2	0.63
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	2	0.63
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	2	0.63
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	17	0.63
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	17	0.63
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	17	0.63
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	17	0.63
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	17	0.63
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	17	0.63
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG11	16	0.63
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG12	16	0.63
(1,3845)	1:425:A:TRP:HH2	1:407:A:VAL:HG13	16	0.63
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	3	0.63
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	3	0.63
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	3	0.63
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	3	0.63
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	3	0.63
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	3	0.63
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	6	0.63
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	6	0.63
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	6	0.63
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	6	0.63
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	6	0.63
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	6	0.63
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	20	0.63
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	20	0.63
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	20	0.63
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	20	0.63
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	20	0.63
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	20	0.63
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	1	0.63
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	3	0.63
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	3	0.63
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	6	0.63
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	6	0.63
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	10	0.63
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	10	0.63
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	20	0.63
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	20	0.63
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	1	0.63
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	4	0.63
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	8	0.63
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	11	0.63
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	13	0.63
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	19	0.63
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	12	0.63
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	12	0.63
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	12	0.63
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	12	0.63
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	12	0.63
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	12	0.63
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	1	0.63
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	2	0.63
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	3	0.63
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	4	0.63
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	5	0.63
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	6	0.63
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	8	0.63
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	9	0.63
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	10	0.63
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	11	0.63
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	12	0.63
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	13	0.63
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	16	0.63
(1,3713)	1:415:A:TRP:HZ3	1:415:A:TRP:HZ2	18	0.63
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	17	0.63
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	17	0.63
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	17	0.63
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	9	0.63
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	9	0.63
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	9	0.63
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	9	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	9	0.63
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	9	0.63
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	2	0.63
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	19	0.63
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	4	0.63
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	7	0.63
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	15	0.63
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	2	0.63
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	11	0.63
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	14	0.63
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	18	0.63
(1,3390)	1:408:A:ASN:HB2	1:408:A:ASN:H	18	0.63
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	16	0.63
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	16	0.63
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	16	0.63
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	16	0.63
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	16	0.63
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	16	0.63
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	19	0.63
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	19	0.63
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	19	0.63
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	19	0.63
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	19	0.63
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	19	0.63
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	11	0.63
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	11	0.63
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	11	0.63
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	18	0.63
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	18	0.63
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	18	0.63
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	19	0.63
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	19	0.63
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	19	0.63
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	20	0.63
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	20	0.63
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	20	0.63
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	1	0.63
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	1	0.63
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	1	0.63
(1,3270)	1:352:A:GLN:HA	1:351:A:ASN:HB3	15	0.63
(1,3173)	1:426:A:GLN:HB2	1:426:A:GLN:HA	7	0.63
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	2	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	6	0.63
(1,3151)	1:372:A:LYS:HA	1:373:A:PRO:HD2	17	0.63
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	13	0.63
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	15	0.63
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	2	0.63
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	5	0.63
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	6	0.63
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	9	0.63
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	10	0.63
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	13	0.63
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	14	0.63
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	15	0.63
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	18	0.63
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	19	0.63
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	20	0.63
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	6	0.63
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	7	0.63
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	8	0.63
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	13	0.63
(1,3076)	1:455:A:GLY:HA3	1:455:A:GLY:H	16	0.63
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	5	0.63
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	10	0.63
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	11	0.63
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	13	0.63
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	17	0.63
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	19	0.63
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	1	0.63
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	7	0.63
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	8	0.63
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	9	0.63
(1,2940)	1:373:A:PRO:HG3	1:373:A:PRO:HG2	10	0.63
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	14	0.63
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	15	0.63
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	20	0.63
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	9	0.63
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	1	0.63
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	3	0.63
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	9	0.63
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	12	0.63
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	14	0.63
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	7	0.63
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	14	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	17	0.63
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	12	0.63
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	15	0.63
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	9	0.63
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	9	0.63
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	9	0.63
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	9	0.63
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	9	0.63
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	9	0.63
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	10	0.63
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	10	0.63
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	10	0.63
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	10	0.63
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	10	0.63
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	10	0.63
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	16	0.63
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	16	0.63
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	16	0.63
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	16	0.63
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	16	0.63
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	16	0.63
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	7	0.63
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	12	0.63
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	14	0.63
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	17	0.63
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	2	0.63
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	4	0.63
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	11	0.63
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	13	0.63
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	15	0.63
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	16	0.63
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	20	0.63
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	9	0.63
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	9	0.63
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	17	0.63
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	17	0.63
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	16	0.63
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	5	0.63
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	6	0.63
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	16	0.63
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	2	0.63
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	13	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	18	0.63
(1,2460)	1:409:A:TYR:HA	1:409:A:TYR:HB3	5	0.63
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	14	0.63
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	5	0.63
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	12	0.63
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	16	0.63
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	17	0.63
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	2	0.63
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	3	0.63
(1,2347)	1:386:A:ASN:HA	1:386:A:ASN:H	7	0.63
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	7	0.63
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	14	0.63
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	11	0.63
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	11	0.63
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	11	0.63
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	11	0.63
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	11	0.63
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	11	0.63
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	11	0.63
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	11	0.63
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	11	0.63
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	11	0.63
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	11	0.63
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	18	0.63
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	18	0.63
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	18	0.63
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	18	0.63
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	18	0.63
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	18	0.63
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	18	0.63
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	18	0.63
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	18	0.63
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	2	0.63
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	2	0.63
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	2	0.63
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	2	0.63
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	2	0.63
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	2	0.63
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	2	0.63
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	2	0.63
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	2	0.63
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	7	0.63
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	10	0.63
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	14	0.63
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	15	0.63
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	17	0.63
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	18	0.63
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	13	0.63
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	20	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	5	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	5	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	5	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	6	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	6	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	6	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	8	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	8	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	8	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	10	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	10	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	10	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	11	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	11	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	11	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	14	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	14	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	14	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	18	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	18	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	18	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	19	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	19	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	19	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	20	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	20	0.63
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	20	0.63
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	2	0.63
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	11	0.63
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	14	0.63
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	16	0.63
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	18	0.63
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	2	0.63
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	2	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	2	0.63
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	2	0.63
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	2	0.63
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	2	0.63
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	9	0.63
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	9	0.63
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	9	0.63
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	14	0.63
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	16	0.63
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	7	0.63
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	7	0.63
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	7	0.63
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	7	0.63
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	7	0.63
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	7	0.63
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	7	0.63
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	7	0.63
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	7	0.63
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	15	0.63
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	15	0.63
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	15	0.63
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	15	0.63
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	15	0.63
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	15	0.63
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	15	0.63
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	15	0.63
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	15	0.63
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	17	0.63
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	17	0.63
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	17	0.63
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	17	0.63
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	17	0.63
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	17	0.63
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	17	0.63
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	17	0.63
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	17	0.63
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	18	0.63
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	18	0.63
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	18	0.63
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	18	0.63
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	18	0.63
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	18	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	18	0.63
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	18	0.63
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	18	0.63
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	19	0.63
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	19	0.63
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	19	0.63
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	19	0.63
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	19	0.63
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	19	0.63
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	19	0.63
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	19	0.63
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	19	0.63
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	1	0.63
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	8	0.63
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	12	0.63
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	6	0.63
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	14	0.63
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	6	0.63
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	18	0.63
(1,1752)	1:352:A:GLN:HG2	1:353:A:HIS:H	3	0.63
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	16	0.63
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	16	0.63
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	16	0.63
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	7	0.63
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	9	0.63
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	13	0.63
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	1	0.63
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	10	0.63
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	13	0.63
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	15	0.63
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	10	0.63
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	10	0.63
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	10	0.63
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	12	0.63
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	12	0.63
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	12	0.63
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	14	0.63
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	14	0.63
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	14	0.63
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	18	0.63
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	18	0.63
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	18	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	20	0.63
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	20	0.63
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	20	0.63
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	6	0.63
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	8	0.63
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	9	0.63
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	10	0.63
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	1	0.63
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	1	0.63
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	1	0.63
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	1	0.63
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	1	0.63
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	1	0.63
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	1	0.63
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	1	0.63
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	1	0.63
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	14	0.63
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	14	0.63
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	14	0.63
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	14	0.63
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	14	0.63
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	14	0.63
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	14	0.63
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	14	0.63
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	14	0.63
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	20	0.63
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	20	0.63
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	20	0.63
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	20	0.63
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	20	0.63
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	20	0.63
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	20	0.63
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	20	0.63
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	20	0.63
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	2	0.63
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	15	0.63
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	8	0.63
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	9	0.63
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	12	0.63
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	18	0.63
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	1	0.63
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	7	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	8	0.63
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	9	0.63
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	10	0.63
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	14	0.63
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	19	0.63
(1,1172)	1:387:A:LYS:HD2	1:387:A:LYS:HE3	3	0.63
(1,1172)	1:387:A:LYS:HD2	1:387:A:LYS:HE3	5	0.63
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	2	0.63
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	5	0.63
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	11	0.63
(1,1121)	1:464:A:LEU:HD11	1:464:A:LEU:HA	5	0.63
(1,1121)	1:464:A:LEU:HD12	1:464:A:LEU:HA	5	0.63
(1,1121)	1:464:A:LEU:HD13	1:464:A:LEU:HA	5	0.63
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	11	0.63
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	17	0.63
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	18	0.63
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	1	0.63
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	1	0.63
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	1	0.63
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	1	0.63
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	1	0.63
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	1	0.63
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	1	0.63
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	1	0.63
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	1	0.63
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	2	0.63
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	2	0.63
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	2	0.63
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	2	0.63
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	2	0.63
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	2	0.63
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	2	0.63
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	2	0.63
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	2	0.63
(1,923)	1:461:A:THR:HG21	1:344:A:TYR:HA	12	0.63
(1,923)	1:461:A:THR:HG22	1:344:A:TYR:HA	12	0.63
(1,923)	1:461:A:THR:HG23	1:344:A:TYR:HA	12	0.63
(1,855)	1:397:A:ASN:HA	1:397:A:ASN:HD21	14	0.63
(1,855)	1:397:A:ASN:HA	1:397:A:ASN:HD21	17	0.63
(1,855)	1:397:A:ASN:HA	1:397:A:ASN:HD21	18	0.63
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	7	0.63
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	7	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	7	0.63
(1,821)	1:462:A:PRO:HB2	1:463:A:VAL:H	16	0.63
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	10	0.63
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	19	0.63
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	4	0.63
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	5	0.63
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	13	0.63
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	14	0.63
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	1	0.63
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	1	0.63
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	8	0.63
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	16	0.63
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	6	0.63
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	8	0.63
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	13	0.63
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	17	0.63
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	1	0.63
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	3	0.63
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	7	0.63
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	13	0.63
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	14	0.63
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	17	0.63
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	18	0.63
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	14	0.63
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	15	0.63
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	5	0.63
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	5	0.63
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	5	0.63
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	5	0.63
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	5	0.63
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	5	0.63
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	5	0.63
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	5	0.63
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	5	0.63
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	10	0.63
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	10	0.63
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	10	0.63
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	10	0.63
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	10	0.63
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	10	0.63
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	10	0.63
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	10	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	10	0.63
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	19	0.63
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	19	0.63
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	19	0.63
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	19	0.63
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	19	0.63
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	19	0.63
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	19	0.63
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	19	0.63
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	19	0.63
(1,473)	1:432:A:ASP:HB2	1:432:A:ASP:H	18	0.63
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	7	0.63
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	13	0.63
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	2	0.63
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	1	0.63
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	2	0.63
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	3	0.63
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	4	0.63
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	6	0.63
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	7	0.63
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	8	0.63
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	10	0.63
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	12	0.63
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	15	0.63
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	17	0.63
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	18	0.63
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	19	0.63
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	6	0.63
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	6	0.63
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	6	0.63
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	10	0.63
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	10	0.63
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	10	0.63
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	14	0.63
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	14	0.63
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	14	0.63
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	16	0.63
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	16	0.63
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	16	0.63
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	4	0.63
(1,291)	1:397:A:ASN:HB2	1:397:A:ASN:H	12	0.63
(1,271)	1:387:A:LYS:HB3	1:387:A:LYS:HG2	2	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	2	0.63
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	3	0.63
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	10	0.63
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	1	0.63
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	1	0.63
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	1	0.63
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	6	0.63
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	11	0.63
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	1	0.63
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	12	0.63
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	17	0.63
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	18	0.63
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	20	0.63
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	17	0.63
(1,4988)	1:370:A:SER:H	1:433:A:LEU:H	5	0.62
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE1	18	0.62
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE2	18	0.62
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	1	0.62
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	2	0.62
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	6	0.62
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	19	0.62
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	4	0.62
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	6	0.62
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	9	0.62
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	6	0.62
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	7	0.62
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	20	0.62
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	11	0.62
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	13	0.62
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	4	0.62
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	7	0.62
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	16	0.62
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	4	0.62
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	5	0.62
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	10	0.62
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	13	0.62
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	14	0.62
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	15	0.62
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	16	0.62
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	20	0.62
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	1	0.62
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	9	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	14	0.62
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	16	0.62
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	18	0.62
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	4	0.62
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	4	0.62
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	5	0.62
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	5	0.62
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	4	0.62
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	1	0.62
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	5	0.62
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	7	0.62
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	11	0.62
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	17	0.62
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	1	0.62
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	4	0.62
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	5	0.62
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	8	0.62
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	9	0.62
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	10	0.62
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	11	0.62
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	13	0.62
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	17	0.62
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	18	0.62
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	20	0.62
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	1	0.62
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	3	0.62
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	7	0.62
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	16	0.62
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	20	0.62
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	6	0.62
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	12	0.62
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	15	0.62
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	18	0.62
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	14	0.62
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	8	0.62
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	5	0.62
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	4	0.62
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	12	0.62
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	16	0.62
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	1	0.62
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	13	0.62
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	14	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	16	0.62
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	5	0.62
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	8	0.62
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	18	0.62
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	18	0.62
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	18	0.62
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	18	0.62
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	18	0.62
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	18	0.62
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	19	0.62
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	19	0.62
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	19	0.62
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	19	0.62
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	19	0.62
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	19	0.62
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	1	0.62
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	1	0.62
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	1	0.62
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	1	0.62
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	1	0.62
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	1	0.62
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	10	0.62
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	10	0.62
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	10	0.62
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	10	0.62
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	10	0.62
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	10	0.62
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	11	0.62
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	11	0.62
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	11	0.62
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	11	0.62
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	11	0.62
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	11	0.62
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	13	0.62
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	13	0.62
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	13	0.62
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	13	0.62
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	13	0.62
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	13	0.62
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	4	0.62
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	4	0.62
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	4	0.62
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	4	0.62
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	4	0.62
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	15	0.62
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	15	0.62
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	15	0.62
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	15	0.62
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	15	0.62
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	15	0.62
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	18	0.62
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	18	0.62
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	18	0.62
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	18	0.62
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	18	0.62
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	18	0.62
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	5	0.62
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	9	0.62
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	12	0.62
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	16	0.62
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	17	0.62
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	13	0.62
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	13	0.62
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	13	0.62
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	18	0.62
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	18	0.62
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	18	0.62
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	3	0.62
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	3	0.62
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	3	0.62
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	1	0.62
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	5	0.62
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	6	0.62
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	10	0.62
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	10	0.62
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	10	0.62
(1,3452)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	4	0.62
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	5	0.62
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	8	0.62
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	9	0.62
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	5	0.62
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	6	0.62
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	7	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	10	0.62
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	12	0.62
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	15	0.62
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	17	0.62
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	19	0.62
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	20	0.62
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	2	0.62
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	2	0.62
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	2	0.62
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	2	0.62
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	2	0.62
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	2	0.62
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	14	0.62
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	14	0.62
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	14	0.62
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	14	0.62
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	14	0.62
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	14	0.62
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	13	0.62
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	13	0.62
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	13	0.62
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	2	0.62
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	2	0.62
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	2	0.62
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	4	0.62
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	3	0.62
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	5	0.62
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	9	0.62
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	7	0.62
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	11	0.62
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	4	0.62
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	11	0.62
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	4	0.62
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	14	0.62
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	1	0.62
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	7	0.62
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	8	0.62
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	11	0.62
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	16	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	1	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	2	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	3	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	4	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	5	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	6	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	7	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	10	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	11	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	12	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	13	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	14	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	15	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	16	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	17	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	18	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	19	0.62
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	20	0.62
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	11	0.62
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	6	0.62
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	12	0.62
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	18	0.62
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	4	0.62
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	13	0.62
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	19	0.62
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	5	0.62
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	2	0.62
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	15	0.62
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	1	0.62
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	5	0.62
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	6	0.62
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	2	0.62
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	2	0.62
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	2	0.62
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	2	0.62
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	2	0.62
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	2	0.62
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	6	0.62
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	6	0.62
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	6	0.62
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	6	0.62
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	6	0.62
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	6	0.62
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	1	0.62
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	11	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	1	0.62
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	2	0.62
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	10	0.62
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	11	0.62
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	13	0.62
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	16	0.62
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	19	0.62
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	1	0.62
(1,2633)	1:362:A:VAL:HA	1:362:A:VAL:HB	3	0.62
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	3	0.62
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	3	0.62
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	12	0.62
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	12	0.62
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	3	0.62
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	19	0.62
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	3	0.62
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	12	0.62
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	18	0.62
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	17	0.62
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	2	0.62
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	3	0.62
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	4	0.62
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	5	0.62
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	7	0.62
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	8	0.62
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	9	0.62
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	10	0.62
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	11	0.62
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	13	0.62
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	14	0.62
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	15	0.62
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	16	0.62
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	18	0.62
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	19	0.62
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	20	0.62
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	7	0.62
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	3	0.62
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	8	0.62
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	6	0.62
(1,2255)	1:443:A:ILE:HA	1:442:A:CYS:HB3	14	0.62
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	8	0.62
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	6	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	13	0.62
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	3	0.62
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	17	0.62
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	1	0.62
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	1	0.62
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	4	0.62
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	4	0.62
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	4	0.62
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	4	0.62
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	4	0.62
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	4	0.62
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	4	0.62
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	4	0.62
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	4	0.62
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	7	0.62
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	7	0.62
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	7	0.62
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	7	0.62
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	7	0.62
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	7	0.62
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	7	0.62
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	7	0.62
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	7	0.62
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	9	0.62
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	9	0.62
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	9	0.62
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	9	0.62
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	9	0.62
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	9	0.62
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	9	0.62
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	9	0.62
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	9	0.62
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	6	0.62
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	6	0.62
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	6	0.62
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	6	0.62
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	6	0.62
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	6	0.62
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	6	0.62
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	6	0.62
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	6	0.62
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	12	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	12	0.62
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	12	0.62
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	12	0.62
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	12	0.62
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	12	0.62
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	12	0.62
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	12	0.62
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	12	0.62
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	8	0.62
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG21	17	0.62
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG22	17	0.62
(1,1995)	1:377:A:THR:HA	1:377:A:THR:HG23	17	0.62
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	10	0.62
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	10	0.62
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	10	0.62
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	3	0.62
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	5	0.62
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	7	0.62
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	10	0.62
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	12	0.62
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	14	0.62
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	14	0.62
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	14	0.62
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	15	0.62
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	15	0.62
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	15	0.62
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	3	0.62
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	9	0.62
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	11	0.62
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	1	0.62
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	1	0.62
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	1	0.62
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	1	0.62
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	1	0.62
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	1	0.62
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	1	0.62
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	1	0.62
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	1	0.62
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	4	0.62
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	4	0.62
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	4	0.62
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	4	0.62
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	4	0.62
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	4	0.62
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	4	0.62
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	4	0.62
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	10	0.62
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	10	0.62
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	10	0.62
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	10	0.62
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	10	0.62
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	10	0.62
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	10	0.62
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	10	0.62
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	10	0.62
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	3	0.62
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	5	0.62
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	15	0.62
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	10	0.62
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	7	0.62
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	14	0.62
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	4	0.62
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	14	0.62
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	19	0.62
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	7	0.62
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	7	0.62
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	7	0.62
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	6	0.62
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	8	0.62
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	15	0.62
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	20	0.62
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	19	0.62
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	3	0.62
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	18	0.62
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	5	0.62
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	9	0.62
(1,1580)	1:395:A:GLY:HA3	1:396:A:THR:H	4	0.62
(1,1580)	1:395:A:GLY:HA3	1:396:A:THR:H	14	0.62
(1,1580)	1:395:A:GLY:HA3	1:396:A:THR:H	18	0.62
(1,1577)	1:387:A:LYS:HB3	1:387:A:LYS:H	2	0.62
(1,1577)	1:387:A:LYS:HB3	1:387:A:LYS:H	3	0.62
(1,1577)	1:387:A:LYS:HB3	1:387:A:LYS:H	5	0.62
(1,1577)	1:387:A:LYS:HB3	1:387:A:LYS:H	7	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	8	0.62
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	9	0.62
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	2	0.62
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	2	0.62
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	1	0.62
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	5	0.62
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	7	0.62
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	8	0.62
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	9	0.62
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	10	0.62
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	11	0.62
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	13	0.62
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	14	0.62
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	15	0.62
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	16	0.62
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	17	0.62
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	18	0.62
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	19	0.62
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	20	0.62
(1,1490)	1:408:A:ASN:HB3	1:408:A:ASN:HD21	16	0.62
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	6	0.62
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	6	0.62
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	6	0.62
(1,1479)	1:402:A:PRO:HB2	1:403:A:TYR:H	17	0.62
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	12	0.62
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	3	0.62
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	3	0.62
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	3	0.62
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	19	0.62
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	19	0.62
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	19	0.62
(1,1254)	1:402:A:PRO:HD3	1:402:A:PRO:HB3	17	0.62
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	17	0.62
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	3	0.62
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	4	0.62
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	5	0.62
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	11	0.62
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	16	0.62
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	17	0.62
(1,1172)	1:387:A:LYS:HD2	1:387:A:LYS:HE3	2	0.62
(1,1172)	1:387:A:LYS:HD2	1:387:A:LYS:HE3	6	0.62
(1,1172)	1:387:A:LYS:HD2	1:387:A:LYS:HE3	7	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	11	0.62
(1,1146)	1:462:A:PRO:HB2	1:461:A:THR:HA	16	0.62
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	9	0.62
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	2	0.62
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	13	0.62
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	4	0.62
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	14	0.62
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	19	0.62
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	5	0.62
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	5	0.62
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	5	0.62
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	6	0.62
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD1	13	0.62
(1,858)	1:383:A:TYR:HB3	1:383:A:TYR:HD2	13	0.62
(1,855)	1:397:A:ASN:HA	1:397:A:ASN:HD21	7	0.62
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	5	0.62
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	2	0.62
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	2	0.62
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	2	0.62
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	10	0.62
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	10	0.62
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	10	0.62
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	1	0.62
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	4	0.62
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	8	0.62
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	15	0.62
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	17	0.62
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	7	0.62
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	16	0.62
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	18	0.62
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	13	0.62
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	12	0.62
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	2	0.62
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	4	0.62
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	5	0.62
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	7	0.62
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	9	0.62
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	10	0.62
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	12	0.62
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	13	0.62
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	14	0.62
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	19	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	20	0.62
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	7	0.62
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	15	0.62
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	16	0.62
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	9	0.62
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	16	0.62
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	18	0.62
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	9	0.62
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	4	0.62
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	6	0.62
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	9	0.62
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	11	0.62
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	13	0.62
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	13	0.62
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	13	0.62
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	13	0.62
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	13	0.62
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	13	0.62
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	13	0.62
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	13	0.62
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	13	0.62
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	18	0.62
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	18	0.62
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	18	0.62
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	18	0.62
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	18	0.62
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	18	0.62
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	18	0.62
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	18	0.62
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	18	0.62
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	19	0.62
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	20	0.62
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	7	0.62
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	15	0.62
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	5	0.62
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	9	0.62
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	11	0.62
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	13	0.62
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	14	0.62
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	16	0.62
(1,311)	1:354:A:MET:HB2	1:354:A:MET:HG2	20	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	1	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	1	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	1	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	3	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	3	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	3	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	7	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	7	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	7	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	8	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	8	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	8	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	13	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	13	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	13	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	18	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	18	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	18	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	19	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	19	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	19	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	20	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	20	0.62
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	20	0.62
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	19	0.62
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	1	0.62
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	4	0.62
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	5	0.62
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	7	0.62
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	16	0.62
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	16	0.62
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	16	0.62
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	19	0.62
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	19	0.62
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	19	0.62
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	20	0.62
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	20	0.62
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	20	0.62
(1,245)	1:352:A:GLN:HA	1:352:A:GLN:HG2	17	0.62
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	3	0.62
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	4	0.62
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	5	0.62
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	8	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	19	0.62
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	2	0.62
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	4	0.62
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	8	0.62
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	15	0.62
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	19	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	1	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	2	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	3	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	4	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	5	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	6	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	7	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	10	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	11	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	12	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	13	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	14	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	15	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	16	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	17	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	18	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	19	0.62
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	20	0.62
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE1	14	0.61
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE2	14	0.61
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	9	0.61
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	17	0.61
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	19	0.61
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	7	0.61
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	1	0.61
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	4	0.61
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	12	0.61
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	19	0.61
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	3	0.61
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	2	0.61
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	4	0.61
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	8	0.61
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	6	0.61
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	19	0.61
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	20	0.61
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	3	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	8	0.61
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	12	0.61
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	17	0.61
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	18	0.61
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	2	0.61
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	3	0.61
(1,4659)	1:347:A:VAL:H	1:346:A:GLU:HG2	5	0.61
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	13	0.61
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	3	0.61
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	7	0.61
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	11	0.61
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	12	0.61
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	1	0.61
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	1	0.61
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	6	0.61
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	6	0.61
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	8	0.61
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	8	0.61
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	12	0.61
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	12	0.61
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	13	0.61
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	13	0.61
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	18	0.61
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	18	0.61
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	10	0.61
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	12	0.61
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	4	0.61
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	3	0.61
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	12	0.61
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	14	0.61
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	15	0.61
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	19	0.61
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	13	0.61
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	18	0.61
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	19	0.61
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	10	0.61
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	17	0.61
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	19	0.61
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	9	0.61
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	3	0.61
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	12	0.61
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	16	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	1	0.61
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	9	0.61
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	11	0.61
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	10	0.61
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	7	0.61
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	9	0.61
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	15	0.61
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	13	0.61
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	1	0.61
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	20	0.61
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	5	0.61
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	4	0.61
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	4	0.61
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	4	0.61
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	4	0.61
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	4	0.61
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	4	0.61
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	6	0.61
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	6	0.61
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	6	0.61
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	6	0.61
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	6	0.61
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	6	0.61
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	12	0.61
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	12	0.61
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	12	0.61
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	12	0.61
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	12	0.61
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	12	0.61
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	13	0.61
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	13	0.61
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	13	0.61
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	13	0.61
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	13	0.61
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	13	0.61
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	15	0.61
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	15	0.61
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	15	0.61
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	15	0.61
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	15	0.61
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	15	0.61
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	12	0.61
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	2	0.61
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	2	0.61
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	2	0.61
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	2	0.61
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	2	0.61
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	2	0.61
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	7	0.61
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	7	0.61
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	7	0.61
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	7	0.61
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	7	0.61
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	7	0.61
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	15	0.61
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	15	0.61
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	15	0.61
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	15	0.61
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	15	0.61
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	15	0.61
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	18	0.61
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	18	0.61
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	18	0.61
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	18	0.61
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	18	0.61
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	18	0.61
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	12	0.61
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	12	0.61
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	17	0.61
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	17	0.61
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	19	0.61
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	19	0.61
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	9	0.61
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	9	0.61
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	9	0.61
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	9	0.61
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	9	0.61
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	9	0.61
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	10	0.61
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	10	0.61
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	10	0.61
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	10	0.61
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	10	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	10	0.61
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	16	0.61
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	16	0.61
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	16	0.61
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	16	0.61
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	16	0.61
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	16	0.61
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	19	0.61
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	19	0.61
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	19	0.61
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	19	0.61
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	19	0.61
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	19	0.61
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	1	0.61
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	1	0.61
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	1	0.61
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	1	0.61
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	1	0.61
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	1	0.61
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	3	0.61
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	7	0.61
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	18	0.61
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	4	0.61
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	4	0.61
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	4	0.61
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	7	0.61
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	7	0.61
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	7	0.61
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	7	0.61
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	7	0.61
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	7	0.61
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	8	0.61
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	8	0.61
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	8	0.61
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	8	0.61
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	8	0.61
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	8	0.61
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	11	0.61
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	11	0.61
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	11	0.61
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	11	0.61
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	11	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	11	0.61
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	7	0.61
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	3	0.61
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	18	0.61
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	16	0.61
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	16	0.61
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	16	0.61
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	16	0.61
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	16	0.61
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	16	0.61
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	17	0.61
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	15	0.61
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	15	0.61
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	18	0.61
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	18	0.61
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	20	0.61
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	20	0.61
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	12	0.61
(1,3419)	1:422:A:ASP:HA	1:423:A:SER:HB3	1	0.61
(1,3419)	1:422:A:ASP:HA	1:423:A:SER:HB3	17	0.61
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	6	0.61
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	10	0.61
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	13	0.61
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	18	0.61
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	8	0.61
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	8	0.61
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	8	0.61
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	8	0.61
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	8	0.61
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	8	0.61
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	8	0.61
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	20	0.61
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	20	0.61
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	20	0.61
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	20	0.61
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	20	0.61
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	20	0.61
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	5	0.61
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	5	0.61
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	5	0.61
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	6	0.61
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	6	0.61
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	11	0.61
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	11	0.61
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	11	0.61
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	10	0.61
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	17	0.61
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	15	0.61
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	12	0.61
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	16	0.61
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	18	0.61
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	16	0.61
(1,3109)	1:367:A:ASP:HA	1:367:A:ASP:H	4	0.61
(1,3044)	1:427:A:PRO:HD2	1:427:A:PRO:HG2	8	0.61
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	5	0.61
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	15	0.61
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	19	0.61
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	5	0.61
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	8	0.61
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	9	0.61
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	19	0.61
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	12	0.61
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	17	0.61
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	18	0.61
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	5	0.61
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	6	0.61
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	7	0.61
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	2	0.61
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	7	0.61
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	2	0.61
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	6	0.61
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	7	0.61
(1,2657)	1:349:A:LEU:HG	1:349:A:LEU:HB2	18	0.61
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	5	0.61
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	2	0.61
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	14	0.61
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	2	0.61
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	2	0.61
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	7	0.61
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	19	0.61
(1,2434)	1:399:A:ASP:HB2	1:399:A:ASP:H	9	0.61
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	3	0.61
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	20	0.61
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	3	0.61
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	1	0.61
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	6	0.61
(1,2379)	1:378:A:PRO:HG2	1:378:A:PRO:HD2	17	0.61
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	5	0.61
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	11	0.61
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	13	0.61
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	19	0.61
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	20	0.61
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	2	0.61
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	15	0.61
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	17	0.61
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	20	0.61
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	1	0.61
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	2	0.61
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	4	0.61
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	8	0.61
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	13	0.61
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	14	0.61
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	1	0.61
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	1	0.61
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	1	0.61
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	1	0.61
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	1	0.61
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	1	0.61
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	1	0.61
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	1	0.61
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	1	0.61
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG11	8	0.61
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG12	8	0.61
(1,2125)	1:393:A:LEU:HD11	1:407:A:VAL:HG13	8	0.61
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG11	8	0.61
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG12	8	0.61
(1,2125)	1:393:A:LEU:HD12	1:407:A:VAL:HG13	8	0.61
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG11	8	0.61
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG12	8	0.61
(1,2125)	1:393:A:LEU:HD13	1:407:A:VAL:HG13	8	0.61
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	6	0.61
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	9	0.61
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	12	0.61
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	13	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	6	0.61
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	9	0.61
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	8	0.61
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	15	0.61
(1,1933)	1:369:A:VAL:HG11	1:369:A:VAL:H	13	0.61
(1,1933)	1:369:A:VAL:HG12	1:369:A:VAL:H	13	0.61
(1,1933)	1:369:A:VAL:HG13	1:369:A:VAL:H	13	0.61
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	4	0.61
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	10	0.61
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	15	0.61
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	19	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	3	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	3	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	3	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	3	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	3	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	3	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	3	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	3	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	3	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	8	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	8	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	8	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	8	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	8	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	8	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	8	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	8	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	8	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	12	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	12	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	12	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	12	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	12	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	12	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	12	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	12	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	12	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	13	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	13	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	13	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	13	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	13	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	13	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	13	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	13	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	13	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	14	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	14	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	14	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	14	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	14	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	14	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	14	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	14	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	14	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	20	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	20	0.61
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	20	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	20	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	20	0.61
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	20	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	20	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	20	0.61
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	20	0.61
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	3	0.61
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	13	0.61
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	17	0.61
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	20	0.61
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	13	0.61
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	7	0.61
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	9	0.61
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	10	0.61
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	12	0.61
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	19	0.61
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	20	0.61
(1,1813)	1:361:A:LYS:HB2	1:361:A:LYS:HE2	14	0.61
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	1	0.61
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	9	0.61
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	2	0.61
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	17	0.61
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	17	0.61
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	17	0.61
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	2	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	3	0.61
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	5	0.61
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	7	0.61
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	9	0.61
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	12	0.61
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	13	0.61
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	14	0.61
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	16	0.61
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	18	0.61
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	19	0.61
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	4	0.61
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	6	0.61
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	8	0.61
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	10	0.61
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	16	0.61
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	20	0.61
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	20	0.61
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	1	0.61
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	8	0.61
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	16	0.61
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	10	0.61
(1,1598)	1:361:A:LYS:HB2	1:361:A:LYS:HD2	6	0.61
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	17	0.61
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	15	0.61
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	15	0.61
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	15	0.61
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	18	0.61
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	18	0.61
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	18	0.61
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	1	0.61
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	1	0.61
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	2	0.61
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	4	0.61
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	6	0.61
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	6	0.61
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	6	0.61
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	6	0.61
(1,1467)	1:372:A:LYS:HB3	1:372:A:LYS:HD3	6	0.61
(1,1467)	1:372:A:LYS:HB3	1:372:A:LYS:HD3	13	0.61
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	3	0.61
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	15	0.61
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	17	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	6	0.61
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	17	0.61
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE1	19	0.61
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE2	19	0.61
(1,1341)	1:457:A:VAL:HG11	1:411:A:MET:HE3	19	0.61
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE1	19	0.61
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE2	19	0.61
(1,1341)	1:457:A:VAL:HG12	1:411:A:MET:HE3	19	0.61
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE1	19	0.61
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE2	19	0.61
(1,1341)	1:457:A:VAL:HG13	1:411:A:MET:HE3	19	0.61
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	7	0.61
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	7	0.61
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	7	0.61
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	14	0.61
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	14	0.61
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	14	0.61
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	17	0.61
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	17	0.61
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	17	0.61
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	19	0.61
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	19	0.61
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	19	0.61
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	20	0.61
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	20	0.61
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	20	0.61
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	3	0.61
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	9	0.61
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	10	0.61
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	11	0.61
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	18	0.61
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	5	0.61
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	19	0.61
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	6	0.61
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	7	0.61
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	15	0.61
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	16	0.61
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	17	0.61
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	18	0.61
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	4	0.61
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	7	0.61
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	10	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	10	0.61
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	11	0.61
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	6	0.61
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	15	0.61
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	6	0.61
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	17	0.61
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	1	0.61
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	9	0.61
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	15	0.61
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	6	0.61
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	18	0.61
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	18	0.61
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	18	0.61
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	18	0.61
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	18	0.61
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	18	0.61
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	18	0.61
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	18	0.61
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	18	0.61
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	18	0.61
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	18	0.61
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	18	0.61
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	15	0.61
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	3	0.61
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	8	0.61
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	13	0.61
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	15	0.61
(1,855)	1:397:A:ASN:HA	1:397:A:ASN:HD21	10	0.61
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	6	0.61
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	6	0.61
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	6	0.61
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	2	0.61
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	2	0.61
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	2	0.61
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	1	0.61
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	3	0.61
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	18	0.61
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	20	0.61
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	4	0.61
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	4	0.61
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	9	0.61
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	9	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	10	0.61
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	11	0.61
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	15	0.61
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	2	0.61
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	19	0.61
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	6	0.61
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	17	0.61
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	5	0.61
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	20	0.61
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	2	0.61
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	4	0.61
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	7	0.61
(1,564)	1:408:A:ASN:HB3	1:408:A:ASN:H	16	0.61
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	2	0.61
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	5	0.61
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	19	0.61
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	15	0.61
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	6	0.61
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	1	0.61
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	6	0.61
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	11	0.61
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	12	0.61
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	17	0.61
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	18	0.61
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	19	0.61
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	12	0.61
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	12	0.61
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	12	0.61
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	15	0.61
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	15	0.61
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	15	0.61
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD11	17	0.61
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD12	17	0.61
(1,297)	1:413:A:ILE:HB	1:413:A:ILE:HD13	17	0.61
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	4	0.61
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	6	0.61
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	8	0.61
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	10	0.61
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	16	0.61
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	20	0.61
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	6	0.61
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	11	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	12	0.61
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	14	0.61
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	17	0.61
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	20	0.61
(1,251)	1:361:A:LYS:HD3	1:361:A:LYS:H	9	0.61
(1,251)	1:361:A:LYS:HD3	1:361:A:LYS:H	13	0.61
(1,251)	1:361:A:LYS:HD3	1:361:A:LYS:H	16	0.61
(1,251)	1:361:A:LYS:HD3	1:361:A:LYS:H	17	0.61
(1,245)	1:352:A:GLN:HA	1:352:A:GLN:HG2	2	0.61
(1,245)	1:352:A:GLN:HA	1:352:A:GLN:HG2	5	0.61
(1,245)	1:352:A:GLN:HA	1:352:A:GLN:HG2	10	0.61
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	2	0.61
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	2	0.61
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	2	0.61
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	15	0.61
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	15	0.61
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	15	0.61
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	18	0.61
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	20	0.61
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	9	0.61
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	10	0.61
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	11	0.61
(1,182)	1:345:A:ILE:HB	1:345:A:ILE:H	16	0.61
(1,179)	1:427:A:PRO:HG2	1:427:A:PRO:HD2	8	0.61
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	10	0.6
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE1	17	0.6
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE2	17	0.6
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	17	0.6
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	8	0.6
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	8	0.6
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	14	0.6
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	14	0.6
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	14	0.6
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	8	0.6
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	20	0.6
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	5	0.6
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	11	0.6
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	12	0.6
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	14	0.6
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	16	0.6
(1,4702)	1:414:A:ASP:H	1:414:A:ASP:HB2	18	0.6
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	3	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	9	0.6
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	10	0.6
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	19	0.6
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	10	0.6
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	15	0.6
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	2	0.6
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	7	0.6
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	9	0.6
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	11	0.6
(1,4681)	1:356:A:TYR:H	1:364:A:LEU:H	19	0.6
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	4	0.6
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	8	0.6
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	11	0.6
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	13	0.6
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	16	0.6
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	10	0.6
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	2	0.6
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	4	0.6
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	15	0.6
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	19	0.6
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	19	0.6
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	4	0.6
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	4	0.6
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	4	0.6
(1,4353)	1:411:A:MET:H	1:410:A:TRP:HA	16	0.6
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	11	0.6
(1,4339)	1:372:A:LYS:H	1:372:A:LYS:HG2	6	0.6
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	17	0.6
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	1	0.6
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	2	0.6
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	6	0.6
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	8	0.6
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	9	0.6
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	11	0.6
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	4	0.6
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	19	0.6
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	3	0.6
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	5	0.6
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	7	0.6
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	10	0.6
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	11	0.6
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	8	0.6
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	17	0.6
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	20	0.6
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	13	0.6
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	16	0.6
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	1	0.6
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	4	0.6
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	13	0.6
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	19	0.6
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	20	0.6
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	2	0.6
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	2	0.6
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	6	0.6
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	13	0.6
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	20	0.6
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	3	0.6
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	3	0.6
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	3	0.6
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	3	0.6
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	3	0.6
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	3	0.6
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB1	20	0.6
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB2	20	0.6
(1,3878)	1:356:A:TYR:HD1	1:363:A:ALA:HB3	20	0.6
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB1	20	0.6
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB2	20	0.6
(1,3878)	1:356:A:TYR:HD2	1:363:A:ALA:HB3	20	0.6
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	5	0.6
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	5	0.6
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	5	0.6
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	5	0.6
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	5	0.6
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	5	0.6
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	5	0.6
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG21	16	0.6
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG22	16	0.6
(1,3840)	1:382:A:PHE:HE1	1:465:A:VAL:HG23	16	0.6
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG21	16	0.6
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG22	16	0.6
(1,3840)	1:382:A:PHE:HE2	1:465:A:VAL:HG23	16	0.6
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	4	0.6
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	4	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	8	0.6
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	8	0.6
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	14	0.6
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	14	0.6
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	11	0.6
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	11	0.6
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	11	0.6
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	11	0.6
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	11	0.6
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	11	0.6
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	2	0.6
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	4	0.6
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	3	0.6
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	4	0.6
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	8	0.6
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	3	0.6
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	3	0.6
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	3	0.6
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	3	0.6
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	3	0.6
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	3	0.6
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	19	0.6
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	19	0.6
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	19	0.6
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	19	0.6
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	19	0.6
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	19	0.6
(1,3581)	1:382:A:PHE:HE1	1:414:A:ASP:HB2	3	0.6
(1,3581)	1:382:A:PHE:HE2	1:414:A:ASP:HB2	3	0.6
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	1	0.6
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	1	0.6
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	8	0.6
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	8	0.6
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	13	0.6
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	13	0.6
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	17	0.6
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	17	0.6
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	19	0.6
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	19	0.6
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	11	0.6
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	11	0.6
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	11	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	10	0.6
(1,3452)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	3	0.6
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	2	0.6
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	3	0.6
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	11	0.6
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	14	0.6
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	16	0.6
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	17	0.6
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	19	0.6
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	20	0.6
(1,3393)	1:430:A:GLY:HA2	1:431:A:GLY:H	3	0.6
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	7	0.6
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	7	0.6
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	7	0.6
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	7	0.6
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	7	0.6
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	7	0.6
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	15	0.6
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	15	0.6
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	15	0.6
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	15	0.6
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	15	0.6
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	15	0.6
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	17	0.6
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	17	0.6
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	17	0.6
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	17	0.6
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	17	0.6
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	17	0.6
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	18	0.6
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	18	0.6
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	18	0.6
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	18	0.6
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	18	0.6
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	18	0.6
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	1	0.6
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	16	0.6
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	9	0.6
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	7	0.6
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	6	0.6
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	7	0.6
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	16	0.6
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	1	0.6
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	2	0.6
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	18	0.6
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	6	0.6
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	11	0.6
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	14	0.6
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	15	0.6
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	4	0.6
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	16	0.6
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	4	0.6
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	17	0.6
(1,2729)	1:462:A:PRO:HB3	1:461:A:THR:HA	14	0.6
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	9	0.6
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	9	0.6
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	9	0.6
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	3	0.6
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	6	0.6
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	7	0.6
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	14	0.6
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	16	0.6
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	20	0.6
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	12	0.6
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	20	0.6
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	4	0.6
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	8	0.6
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	12	0.6
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	20	0.6
(1,2415)	1:372:A:LYS:HG2	1:372:A:LYS:H	16	0.6
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	17	0.6
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	7	0.6
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	13	0.6
(1,2352)	1:396:A:THR:HB	1:397:A:ASN:HA	18	0.6
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	1	0.6
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	14	0.6
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	1	0.6
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	2	0.6
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	10	0.6
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	12	0.6
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	19	0.6
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	6	0.6
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	9	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	11	0.6
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	16	0.6
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	17	0.6
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	4	0.6
(1,2152)	1:399:A:ASP:HB3	1:399:A:ASP:H	10	0.6
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	9	0.6
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	9	0.6
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	9	0.6
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	9	0.6
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	9	0.6
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	9	0.6
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	9	0.6
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	9	0.6
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	9	0.6
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	1	0.6
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	15	0.6
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	13	0.6
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	20	0.6
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	1	0.6
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	2	0.6
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	13	0.6
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	17	0.6
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	18	0.6
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	20	0.6
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	15	0.6
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	19	0.6
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	5	0.6
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	10	0.6
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	20	0.6
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	2	0.6
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	16	0.6
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	17	0.6
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	2	0.6
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	19	0.6
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	2	0.6
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	12	0.6
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	17	0.6
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	10	0.6
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	13	0.6
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	13	0.6
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	13	0.6
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	4	0.6
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	10	0.6
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	11	0.6
(1,1672)	1:373:A:PRO:HB2	1:373:A:PRO:HG2	17	0.6
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	1	0.6
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	3	0.6
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	5	0.6
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	7	0.6
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	11	0.6
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	12	0.6
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	13	0.6
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	14	0.6
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	15	0.6
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	18	0.6
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	6	0.6
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	15	0.6
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	2	0.6
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	5	0.6
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	9	0.6
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	13	0.6
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	14	0.6
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	9	0.6
(1,1598)	1:361:A:LYS:HB2	1:361:A:LYS:HD2	7	0.6
(1,1580)	1:395:A:GLY:HA3	1:396:A:THR:H	16	0.6
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	4	0.6
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	11	0.6
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	18	0.6
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	20	0.6
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	2	0.6
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	2	0.6
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	2	0.6
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	3	0.6
(1,1521)	1:356:A:TYR:HB3	1:356:A:TYR:HA	12	0.6
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	12	0.6
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	12	0.6
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	12	0.6
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	15	0.6
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	15	0.6
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	15	0.6
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	13	0.6
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	13	0.6
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	13	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	1	0.6
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	1	0.6
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	1	0.6
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	1	0.6
(1,1424)	1:367:A:ASP:HB3	1:368:A:ILE:H	7	0.6
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	5	0.6
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	16	0.6
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	18	0.6
(1,1385)	1:342:A:ASP:HB2	1:343:A:THR:H	12	0.6
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	1	0.6
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	1	0.6
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	1	0.6
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	13	0.6
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	5	0.6
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	2	0.6
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	2	0.6
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	2	0.6
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	9	0.6
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	9	0.6
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	9	0.6
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	11	0.6
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	11	0.6
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	11	0.6
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	6	0.6
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	7	0.6
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	14	0.6
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	10	0.6
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	20	0.6
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	4	0.6
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	1	0.6
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	4	0.6
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	8	0.6
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	10	0.6
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	12	0.6
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	13	0.6
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	14	0.6
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	19	0.6
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	20	0.6
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	5	0.6
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	9	0.6
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	15	0.6
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	17	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	6	0.6
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	20	0.6
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	11	0.6
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	11	0.6
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	11	0.6
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	1	0.6
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	3	0.6
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	7	0.6
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	8	0.6
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	10	0.6
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	14	0.6
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	15	0.6
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	18	0.6
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	19	0.6
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	2	0.6
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	12	0.6
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	17	0.6
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	14	0.6
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	2	0.6
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	2	0.6
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	2	0.6
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	7	0.6
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	7	0.6
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	7	0.6
(1,982)	1:385:A:TRP:HA	1:384:A:VAL:H	7	0.6
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	1	0.6
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	1	0.6
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	1	0.6
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	3	0.6
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	3	0.6
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	3	0.6
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	5	0.6
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	16	0.6
(1,855)	1:397:A:ASN:HA	1:397:A:ASN:HD21	11	0.6
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	3	0.6
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	12	0.6
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	16	0.6
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	5	0.6
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	5	0.6
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	5	0.6
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	5	0.6
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	18	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	18	0.6
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	18	0.6
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	20	0.6
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	20	0.6
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	20	0.6
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	6	0.6
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	7	0.6
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	12	0.6
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	11	0.6
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	11	0.6
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	4	0.6
(1,723)	1:358:A:LYS:HB3	1:358:A:LYS:H	3	0.6
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	5	0.6
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	12	0.6
(1,707)	1:435:A:LYS:HA	1:435:A:LYS:H	11	0.6
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	5	0.6
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	15	0.6
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	3	0.6
(1,643)	1:435:A:LYS:HG2	1:435:A:LYS:HD3	9	0.6
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	10	0.6
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	17	0.6
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	15	0.6
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	20	0.6
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	18	0.6
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD11	15	0.6
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD12	15	0.6
(1,514)	1:345:A:ILE:HD11	1:453:A:LEU:HD13	15	0.6
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD11	15	0.6
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD12	15	0.6
(1,514)	1:345:A:ILE:HD12	1:453:A:LEU:HD13	15	0.6
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD11	15	0.6
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD12	15	0.6
(1,514)	1:345:A:ILE:HD13	1:453:A:LEU:HD13	15	0.6
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	4	0.6
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	14	0.6
(1,428)	1:408:A:ASN:HB2	1:407:A:VAL:HA	3	0.6
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	4	0.6
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	8	0.6
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	20	0.6
(1,397)	1:400:A:GLY:HA2	1:399:A:ASP:HB3	13	0.6
(1,397)	1:400:A:GLY:HA2	1:399:A:ASP:HB3	18	0.6
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	3	0.6
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	5	0.6
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	7	0.6
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	11	0.6
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	12	0.6
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	13	0.6
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	14	0.6
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	15	0.6
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	18	0.6
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	15	0.6
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	18	0.6
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	7	0.6
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	7	0.6
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	7	0.6
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	7	0.6
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	13	0.6
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	16	0.6
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	4	0.6
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	17	0.59
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	3	0.59
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	9	0.59
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	3	0.59
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	14	0.59
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	18	0.59
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	19	0.59
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	5	0.59
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	2	0.59
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	3	0.59
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	4	0.59
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	5	0.59
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	6	0.59
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	7	0.59
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	8	0.59
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	10	0.59
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	11	0.59
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	12	0.59
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	13	0.59
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	15	0.59
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	16	0.59
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	17	0.59
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	18	0.59
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	20	0.59
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	15	0.59
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	18	0.59
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	5	0.59
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	7	0.59
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	14	0.59
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	17	0.59
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	20	0.59
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	3	0.59
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	8	0.59
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	11	0.59
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	13	0.59
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	14	0.59
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	17	0.59
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	7	0.59
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	20	0.59
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	8	0.59
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	3	0.59
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	19	0.59
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	1	0.59
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	8	0.59
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	10	0.59
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	13	0.59
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	7	0.59
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	7	0.59
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	3	0.59
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	3	0.59
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	15	0.59
(1,4406)	1:385:A:TRP:HE1	1:414:A:ASP:H	13	0.59
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	8	0.59
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	1	0.59
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	11	0.59
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	14	0.59
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	4	0.59
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	5	0.59
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	7	0.59
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	10	0.59
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	12	0.59
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	13	0.59
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	14	0.59
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	15	0.59
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	16	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	17	0.59
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	18	0.59
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	19	0.59
(1,4281)	1:397:A:ASN:HD22	1:397:A:ASN:HD21	20	0.59
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	2	0.59
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	9	0.59
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	1	0.59
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	4	0.59
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	9	0.59
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	13	0.59
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	17	0.59
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	18	0.59
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	19	0.59
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	20	0.59
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	13	0.59
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	17	0.59
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	18	0.59
(1,4188)	1:457:A:VAL:H	1:456:A:MET:HG3	19	0.59
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	6	0.59
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	5	0.59
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	11	0.59
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	12	0.59
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	9	0.59
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	12	0.59
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	15	0.59
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	19	0.59
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	2	0.59
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	3	0.59
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	18	0.59
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	19	0.59
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	5	0.59
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	9	0.59
(1,3971)	1:359:A:ASP:H	1:360:A:GLY:H	2	0.59
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	2	0.59
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	6	0.59
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	9	0.59
(1,3923)	1:443:A:ILE:H	1:442:A:CYS:HB3	11	0.59
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	2	0.59
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	5	0.59
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	5	0.59
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	11	0.59
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	16	0.59
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	16	0.59
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	5	0.59
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	5	0.59
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	5	0.59
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	5	0.59
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	5	0.59
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	5	0.59
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	1	0.59
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	1	0.59
(1,3785)	1:385:A:TRP:HE3	1:385:A:TRP:HB2	6	0.59
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	9	0.59
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	9	0.59
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	9	0.59
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	2	0.59
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	6	0.59
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	7	0.59
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	9	0.59
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	10	0.59
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	14	0.59
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	16	0.59
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	19	0.59
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	8	0.59
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	8	0.59
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	8	0.59
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	8	0.59
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	8	0.59
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	8	0.59
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	10	0.59
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	10	0.59
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	10	0.59
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	10	0.59
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	10	0.59
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	10	0.59
(1,3618)	1:425:A:TRP:HD1	1:426:A:GLN:HB3	16	0.59
(1,3452)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	1	0.59
(1,3452)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	2	0.59
(1,3452)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	5	0.59
(1,3452)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	11	0.59
(1,3452)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	18	0.59
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	12	0.59
(1,3409)	1:425:A:TRP:HB2	1:425:A:TRP:HA	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	11	0.59
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	11	0.59
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	11	0.59
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	11	0.59
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	11	0.59
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	11	0.59
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	15	0.59
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	15	0.59
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	15	0.59
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	6	0.59
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	5	0.59
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	5	0.59
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	5	0.59
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	5	0.59
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	5	0.59
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	5	0.59
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	7	0.59
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	7	0.59
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	7	0.59
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	16	0.59
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	15	0.59
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	7	0.59
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	16	0.59
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	17	0.59
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	1	0.59
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	20	0.59
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	14	0.59
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	6	0.59
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	10	0.59
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	15	0.59
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	8	0.59
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	11	0.59
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	11	0.59
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	11	0.59
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	11	0.59
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	11	0.59
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	11	0.59
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	18	0.59
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	18	0.59
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	18	0.59
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	18	0.59
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	18	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	18	0.59
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	10	0.59
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	9	0.59
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	15	0.59
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	2	0.59
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	10	0.59
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	11	0.59
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	12	0.59
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	13	0.59
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	15	0.59
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	17	0.59
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	18	0.59
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	11	0.59
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	17	0.59
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	6	0.59
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	6	0.59
(1,2465)	1:351:A:ASN:HB2	1:351:A:ASN:H	3	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	1	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	2	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	3	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	4	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	5	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	6	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	7	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	8	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	9	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	10	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	11	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	13	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	14	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	15	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	16	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	17	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	18	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	19	0.59
(1,2458)	1:378:A:PRO:HD3	1:378:A:PRO:HG3	20	0.59
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	13	0.59
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	16	0.59
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	4	0.59
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	11	0.59
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	13	0.59
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	14	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	1	0.59
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	2	0.59
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	4	0.59
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	5	0.59
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	8	0.59
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	9	0.59
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	10	0.59
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	12	0.59
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	15	0.59
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	16	0.59
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	19	0.59
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	20	0.59
(1,2344)	1:357:A:TYR:HB3	1:358:A:LYS:H	12	0.59
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	9	0.59
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	15	0.59
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	14	0.59
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	11	0.59
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	18	0.59
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	5	0.59
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	9	0.59
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	16	0.59
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	17	0.59
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	11	0.59
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	11	0.59
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	11	0.59
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	9	0.59
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	16	0.59
(1,2070)	1:361:A:LYS:HE3	1:361:A:LYS:HA	12	0.59
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	10	0.59
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	10	0.59
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	10	0.59
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	10	0.59
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	10	0.59
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	10	0.59
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	10	0.59
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	10	0.59
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	10	0.59
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	17	0.59
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	17	0.59
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	17	0.59
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	17	0.59
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	17	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	17	0.59
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	17	0.59
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	17	0.59
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	17	0.59
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	18	0.59
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	18	0.59
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	18	0.59
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	18	0.59
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	18	0.59
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	18	0.59
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	18	0.59
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	18	0.59
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	18	0.59
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	20	0.59
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	20	0.59
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	20	0.59
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	20	0.59
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	20	0.59
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	20	0.59
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	20	0.59
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	20	0.59
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	20	0.59
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	3	0.59
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	5	0.59
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	6	0.59
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	6	0.59
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	6	0.59
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	6	0.59
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	6	0.59
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	6	0.59
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	6	0.59
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	6	0.59
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	6	0.59
(1,1883)	1:422:A:ASP:HA	1:423:A:SER:H	16	0.59
(1,1866)	1:372:A:LYS:HB2	1:372:A:LYS:HD2	6	0.59
(1,1866)	1:372:A:LYS:HB2	1:372:A:LYS:HD2	18	0.59
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	1	0.59
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	4	0.59
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	11	0.59
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	16	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	4	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	4	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	5	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	5	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	5	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	8	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	8	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	8	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	12	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	12	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	12	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	16	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	16	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	16	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	17	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	17	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	17	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	18	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	18	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	18	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	19	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	19	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	19	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	20	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	20	0.59
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	20	0.59
(1,1771)	1:437:A:ARG:HG3	1:437:A:ARG:H	20	0.59
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	2	0.59
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	9	0.59
(1,1655)	1:453:A:LEU:HB3	1:453:A:LEU:HG	17	0.59
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	2	0.59
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	14	0.59
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	16	0.59
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	2	0.59
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	2	0.59
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	12	0.59
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	14	0.59
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	19	0.59
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	17	0.59
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	17	0.59
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	17	0.59
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	6	0.59
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	6	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	5	0.59
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	5	0.59
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	5	0.59
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	6	0.59
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	6	0.59
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	6	0.59
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	16	0.59
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	16	0.59
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	16	0.59
(1,1424)	1:367:A:ASP:HB3	1:368:A:ILE:H	4	0.59
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	2	0.59
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	7	0.59
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	14	0.59
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	19	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	2	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	2	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	2	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	3	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	3	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	3	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	4	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	4	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	4	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	5	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	5	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	5	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	6	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	6	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	6	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	7	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	7	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	7	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	8	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	8	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	8	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	10	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	10	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	10	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	11	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	11	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	11	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	12	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	12	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	12	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	13	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	13	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	13	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	15	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	15	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	15	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	16	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	16	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	16	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	17	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	17	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	17	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	19	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	19	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	19	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	20	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	20	0.59
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	20	0.59
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	3	0.59
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	11	0.59
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	19	0.59
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	4	0.59
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	4	0.59
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	4	0.59
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	13	0.59
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	13	0.59
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	13	0.59
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	18	0.59
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	18	0.59
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	18	0.59
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	13	0.59
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	10	0.59
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	10	0.59
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	10	0.59
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	4	0.59
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	7	0.59
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	16	0.59
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	3	0.59
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	6	0.59
(1,1205)	1:450:A:MET:HG2	1:450:A:MET:HB3	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	18	0.59
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	20	0.59
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	1	0.59
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	15	0.59
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	19	0.59
(1,1133)	1:413:A:ILE:HA	1:413:A:ILE:HB	3	0.59
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	5	0.59
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	20	0.59
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	5	0.59
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	7	0.59
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	8	0.59
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	10	0.59
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	17	0.59
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	18	0.59
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	4	0.59
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	9	0.59
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	16	0.59
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	20	0.59
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	3	0.59
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	6	0.59
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	1	0.59
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	1	0.59
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	1	0.59
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	3	0.59
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	3	0.59
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	3	0.59
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	4	0.59
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	4	0.59
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	4	0.59
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	6	0.59
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	6	0.59
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	6	0.59
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	9	0.59
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	9	0.59
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	9	0.59
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	10	0.59
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	10	0.59
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	10	0.59
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	11	0.59
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	11	0.59
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	11	0.59
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	12	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	12	0.59
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	12	0.59
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	13	0.59
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	13	0.59
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	13	0.59
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	14	0.59
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	14	0.59
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	14	0.59
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	16	0.59
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	16	0.59
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	16	0.59
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	17	0.59
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	17	0.59
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	17	0.59
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	19	0.59
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	19	0.59
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	19	0.59
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	20	0.59
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	20	0.59
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	20	0.59
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	1	0.59
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	1	0.59
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	1	0.59
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	6	0.59
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	6	0.59
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	6	0.59
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	20	0.59
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	20	0.59
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	20	0.59
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	17	0.59
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	17	0.59
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	17	0.59
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	17	0.59
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	17	0.59
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	17	0.59
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	17	0.59
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	17	0.59
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	17	0.59
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	12	0.59
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	12	0.59
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	12	0.59
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	14	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	14	0.59
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	14	0.59
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	15	0.59
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	15	0.59
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	15	0.59
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	2	0.59
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	8	0.59
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	19	0.59
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	20	0.59
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	12	0.59
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	19	0.59
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	1	0.59
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	1	0.59
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	1	0.59
(1,771)	1:464:A:LEU:HB2	1:464:A:LEU:H	14	0.59
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	12	0.59
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	12	0.59
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	2	0.59
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	6	0.59
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	1	0.59
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	2	0.59
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	3	0.59
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	4	0.59
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	6	0.59
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	7	0.59
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	8	0.59
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	9	0.59
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	10	0.59
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	11	0.59
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	13	0.59
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	14	0.59
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	15	0.59
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	16	0.59
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	17	0.59
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	18	0.59
(1,716)	1:447:A:PRO:HG3	1:447:A:PRO:HB3	20	0.59
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	17	0.59
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	6	0.59
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	11	0.59
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	12	0.59
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	14	0.59
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	18	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	20	0.59
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	12	0.59
(1,556)	1:353:A:HIS:HB3	1:353:A:HIS:HD2	16	0.59
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	1	0.59
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	19	0.59
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	1	0.59
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	16	0.59
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	12	0.59
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	18	0.59
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	3	0.59
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	9	0.59
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	14	0.59
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	18	0.59
(1,397)	1:400:A:GLY:HA2	1:399:A:ASP:HB3	4	0.59
(1,397)	1:400:A:GLY:HA2	1:399:A:ASP:HB3	5	0.59
(1,397)	1:400:A:GLY:HA2	1:399:A:ASP:HB3	12	0.59
(1,397)	1:400:A:GLY:HA2	1:399:A:ASP:HB3	19	0.59
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	5	0.59
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	2	0.59
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	9	0.59
(1,293)	1:453:A:LEU:HG	1:453:A:LEU:HB3	17	0.59
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	19	0.59
(1,251)	1:361:A:LYS:HD3	1:361:A:LYS:H	19	0.59
(1,245)	1:352:A:GLN:HA	1:352:A:GLN:HG2	6	0.59
(1,245)	1:352:A:GLN:HA	1:352:A:GLN:HG2	7	0.59
(1,200)	1:420:A:ILE:HD11	1:420:A:ILE:HA	19	0.59
(1,200)	1:420:A:ILE:HD12	1:420:A:ILE:HA	19	0.59
(1,200)	1:420:A:ILE:HD13	1:420:A:ILE:HA	19	0.59
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	9	0.59
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	10	0.59
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	15	0.59
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	17	0.59
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	12	0.59
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	5	0.59
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	9	0.59
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	16	0.59
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	17	0.59
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE1	7	0.58
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE2	7	0.58
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	4	0.58
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	10	0.58
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	12	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	13	0.58
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	15	0.58
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	20	0.58
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	1	0.58
(1,4855)	1:434:A:TRP:HE1	1:435:A:LYS:HE2	5	0.58
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	1	0.58
(1,4831)	1:355:A:TRP:HE1	1:355:A:TRP:HB2	9	0.58
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	16	0.58
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	6	0.58
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	9	0.58
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	15	0.58
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	5	0.58
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	15	0.58
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	2	0.58
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	9	0.58
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	1	0.58
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	15	0.58
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	16	0.58
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	5	0.58
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	14	0.58
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	17	0.58
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	18	0.58
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	7	0.58
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	10	0.58
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	13	0.58
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	20	0.58
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	14	0.58
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	16	0.58
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	20	0.58
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	17	0.58
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	3	0.58
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	5	0.58
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	17	0.58
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	15	0.58
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	15	0.58
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	18	0.58
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	4	0.58
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	5	0.58
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	15	0.58
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	5	0.58
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	5	0.58
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	15	0.58
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	1	0.58
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	7	0.58
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	1	0.58
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	3	0.58
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	16	0.58
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	3	0.58
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	15	0.58
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	14	0.58
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	8	0.58
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	20	0.58
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	1	0.58
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	3	0.58
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	7	0.58
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	7	0.58
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	8	0.58
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	1	0.58
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	18	0.58
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	1	0.58
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	1	0.58
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	5	0.58
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	5	0.58
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	7	0.58
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	7	0.58
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	8	0.58
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	8	0.58
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	9	0.58
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	9	0.58
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	13	0.58
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	13	0.58
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	2	0.58
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	2	0.58
(1,3827)	1:382:A:PHE:HE1	1:382:A:PHE:HB3	9	0.58
(1,3827)	1:382:A:PHE:HE2	1:382:A:PHE:HB3	9	0.58
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	17	0.58
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	17	0.58
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	17	0.58
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	17	0.58
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	17	0.58
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	17	0.58
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	18	0.58
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	18	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	3	0.58
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	3	0.58
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	3	0.58
(1,3744)	1:421:A:HIS:HD2	1:442:A:CYS:HB2	10	0.58
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	5	0.58
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	6	0.58
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	1	0.58
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	5	0.58
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	11	0.58
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	12	0.58
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	13	0.58
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	15	0.58
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	17	0.58
(1,3647)	1:434:A:TRP:HE3	1:434:A:TRP:HB2	20	0.58
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	7	0.58
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	7	0.58
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	7	0.58
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	7	0.58
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	7	0.58
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	7	0.58
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	13	0.58
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	13	0.58
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	13	0.58
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	13	0.58
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	13	0.58
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	13	0.58
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	5	0.58
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	13	0.58
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	15	0.58
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	11	0.58
(1,3452)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	16	0.58
(1,3452)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	17	0.58
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	1	0.58
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	4	0.58
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	4	0.58
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	4	0.58
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	4	0.58
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	4	0.58
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	4	0.58
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	12	0.58
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	12	0.58
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	12	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	4	0.58
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	20	0.58
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	3	0.58
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	14	0.58
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	18	0.58
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	16	0.58
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	10	0.58
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	5	0.58
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	11	0.58
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	1	0.58
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	5	0.58
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	11	0.58
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	11	0.58
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	11	0.58
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	11	0.58
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	8	0.58
(1,2965)	1:361:A:LYS:HB3	1:361:A:LYS:H	9	0.58
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	2	0.58
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	3	0.58
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	4	0.58
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	5	0.58
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	7	0.58
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	3	0.58
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	7	0.58
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	9	0.58
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	11	0.58
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	20	0.58
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD1	2	0.58
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD2	2	0.58
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD1	2	0.58
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD2	2	0.58
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD1	2	0.58
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD2	2	0.58
(1,2784)	1:454:A:PHE:HB3	1:454:A:PHE:H	6	0.58
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	12	0.58
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	12	0.58
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	16	0.58
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	12	0.58
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	20	0.58
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD1	11	0.58
(1,2585)	1:403:A:TYR:HB2	1:403:A:TYR:HD2	11	0.58
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	10	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	8	0.58
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	8	0.58
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	8	0.58
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	1	0.58
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	4	0.58
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	8	0.58
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	9	0.58
(1,2566)	1:447:A:PRO:HG2	1:447:A:PRO:HD2	19	0.58
(1,2531)	1:399:A:ASP:HB3	1:400:A:GLY:H	8	0.58
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	10	0.58
(1,2419)	1:387:A:LYS:HG3	1:387:A:LYS:H	10	0.58
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	19	0.58
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	18	0.58
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	1	0.58
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	1	0.58
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	1	0.58
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	10	0.58
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	9	0.58
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	5	0.58
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	1	0.58
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	17	0.58
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	19	0.58
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	7	0.58
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	4	0.58
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	13	0.58
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	15	0.58
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	17	0.58
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	19	0.58
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	3	0.58
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	10	0.58
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	1	0.58
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	8	0.58
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	10	0.58
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	12	0.58
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	13	0.58
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	18	0.58
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	10	0.58
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	10	0.58
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	10	0.58
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	3	0.58
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	4	0.58
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	17	0.58
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	1	0.58
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	1	0.58
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	17	0.58
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	4	0.58
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	4	0.58
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	4	0.58
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	4	0.58
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	4	0.58
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	4	0.58
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	4	0.58
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	4	0.58
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	4	0.58
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	15	0.58
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	15	0.58
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	15	0.58
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	15	0.58
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	15	0.58
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	15	0.58
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	15	0.58
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	15	0.58
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	15	0.58
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	3	0.58
(1,1866)	1:372:A:LYS:HB2	1:372:A:LYS:HD2	13	0.58
(1,1866)	1:372:A:LYS:HB2	1:372:A:LYS:HD2	20	0.58
(1,1831)	1:372:A:LYS:HD2	1:372:A:LYS:HE3	8	0.58
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	1	0.58
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	4	0.58
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	17	0.58
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	3	0.58
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	3	0.58
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	3	0.58
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	9	0.58
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	9	0.58
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	9	0.58
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	10	0.58
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	10	0.58
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	10	0.58
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	13	0.58
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	13	0.58
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	13	0.58
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	4	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	13	0.58
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	5	0.58
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	19	0.58
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	15	0.58
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	1	0.58
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	6	0.58
(1,1610)	1:382:A:PHE:HA	1:383:A:TYR:H	11	0.58
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	1	0.58
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	8	0.58
(1,1580)	1:395:A:GLY:HA3	1:396:A:THR:H	5	0.58
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	14	0.58
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	20	0.58
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	7	0.58
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	7	0.58
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	9	0.58
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	9	0.58
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	9	0.58
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	11	0.58
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	11	0.58
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	11	0.58
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	17	0.58
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	17	0.58
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	17	0.58
(1,1467)	1:372:A:LYS:HB3	1:372:A:LYS:HD3	15	0.58
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	3	0.58
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	4	0.58
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	6	0.58
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	7	0.58
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	8	0.58
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	12	0.58
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	13	0.58
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	14	0.58
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	15	0.58
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	17	0.58
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	20	0.58
(1,1424)	1:367:A:ASP:HB3	1:368:A:ILE:H	1	0.58
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	11	0.58
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	9	0.58
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	9	0.58
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	9	0.58
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	14	0.58
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	14	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	14	0.58
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG21	18	0.58
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG22	18	0.58
(1,1363)	1:377:A:THR:HB	1:377:A:THR:HG23	18	0.58
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	12	0.58
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	1	0.58
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	1	0.58
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	1	0.58
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	8	0.58
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	8	0.58
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	8	0.58
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	5	0.58
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	6	0.58
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	6	0.58
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	6	0.58
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	13	0.58
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	15	0.58
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	14	0.58
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	18	0.58
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	18	0.58
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	18	0.58
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	18	0.58
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	18	0.58
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	18	0.58
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	4	0.58
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	5	0.58
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	8	0.58
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	10	0.58
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	11	0.58
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	13	0.58
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	14	0.58
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	18	0.58
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	20	0.58
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	16	0.58
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	14	0.58
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	1	0.58
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	2	0.58
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	3	0.58
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	2	0.58
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	2	0.58
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	2	0.58
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	5	0.58
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	5	0.58
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	6	0.58
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	6	0.58
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	6	0.58
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	5	0.58
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	11	0.58
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	12	0.58
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	13	0.58
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	9	0.58
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	18	0.58
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	5	0.58
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	5	0.58
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	5	0.58
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	8	0.58
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	8	0.58
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	8	0.58
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	15	0.58
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	15	0.58
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	15	0.58
(1,1046)	1:369:A:VAL:HG21	1:369:A:VAL:HB	18	0.58
(1,1046)	1:369:A:VAL:HG22	1:369:A:VAL:HB	18	0.58
(1,1046)	1:369:A:VAL:HG23	1:369:A:VAL:HB	18	0.58
(1,942)	1:405:A:SER:HB3	1:405:A:SER:H	17	0.58
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	1	0.58
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	18	0.58
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	6	0.58
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	16	0.58
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	16	0.58
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	16	0.58
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	2	0.58
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	7	0.58
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	7	0.58
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	7	0.58
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	10	0.58
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	10	0.58
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	8	0.58
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	12	0.58
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	20	0.58
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	3	0.58
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	3	0.58
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	3	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	8	0.58
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	8	0.58
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	16	0.58
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	4	0.58
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	9	0.58
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	17	0.58
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	19	0.58
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	9	0.58
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	10	0.58
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	3	0.58
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	7	0.58
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	10	0.58
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	12	0.58
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	13	0.58
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	16	0.58
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	19	0.58
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	20	0.58
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	9	0.58
(1,245)	1:352:A:GLN:HA	1:352:A:GLN:HG2	12	0.58
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	1	0.58
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	2	0.58
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	12	0.58
(1,196)	1:434:A:TRP:HB3	1:435:A:LYS:HA	14	0.58
(1,87)	1:408:A:ASN:HB2	1:408:A:ASN:HA	5	0.58
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	1	0.58
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	8	0.58
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	10	0.58
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	12	0.58
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	13	0.58
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	18	0.58
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	1	0.57
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	2	0.57
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	6	0.57
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	9	0.57
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	11	0.57
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	14	0.57
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE1	15	0.57
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE2	15	0.57
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	7	0.57
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	9	0.57
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	4	0.57
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	11	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	4	0.57
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	2	0.57
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	10	0.57
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	2	0.57
(1,4725)	1:395:A:GLY:H	1:402:A:PRO:HB3	5	0.57
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	16	0.57
(1,4702)	1:414:A:ASP:H	1:414:A:ASP:HB2	1	0.57
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	6	0.57
(1,4692)	1:351:A:ASN:HD21	1:351:A:ASN:HB2	12	0.57
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	19	0.57
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	2	0.57
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	5	0.57
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	6	0.57
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	12	0.57
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	15	0.57
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	16	0.57
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	6	0.57
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	12	0.57
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	11	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	1	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	2	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	4	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	5	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	6	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	7	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	8	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	9	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	10	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	11	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	13	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	14	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	15	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	16	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	17	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	18	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	19	0.57
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	20	0.57
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	12	0.57
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	14	0.57
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	14	0.57
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	14	0.57
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	16	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	12	0.57
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	6	0.57
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	2	0.57
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	4	0.57
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	15	0.57
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	12	0.57
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	16	0.57
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	4	0.57
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	9	0.57
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	5	0.57
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	7	0.57
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	17	0.57
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	15	0.57
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	2	0.57
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	4	0.57
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	7	0.57
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	8	0.57
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	9	0.57
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	10	0.57
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	14	0.57
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	15	0.57
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	16	0.57
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	12	0.57
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	17	0.57
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	18	0.57
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	4	0.57
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	5	0.57
(1,4033)	1:425:A:TRP:HE1	1:423:A:SER:HB2	1	0.57
(1,4033)	1:425:A:TRP:HE1	1:423:A:SER:HB2	9	0.57
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	6	0.57
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	3	0.57
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	4	0.57
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	10	0.57
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	18	0.57
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	19	0.57
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	20	0.57
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	6	0.57
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	9	0.57
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	7	0.57
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	17	0.57
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	18	0.57
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	4	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	4	0.57
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	3	0.57
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	3	0.57
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	3	0.57
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	3	0.57
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	3	0.57
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	3	0.57
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	7	0.57
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	4	0.57
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	8	0.57
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	2	0.57
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	2	0.57
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	2	0.57
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	7	0.57
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	7	0.57
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	7	0.57
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	3	0.57
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	3	0.57
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	3	0.57
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	3	0.57
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	3	0.57
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	3	0.57
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	6	0.57
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	10	0.57
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	12	0.57
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	15	0.57
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	1	0.57
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	7	0.57
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	7	0.57
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	7	0.57
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	6	0.57
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	7	0.57
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	20	0.57
(1,3452)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	10	0.57
(1,3452)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	20	0.57
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	10	0.57
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	15	0.57
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	3	0.57
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	13	0.57
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	13	0.57
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	13	0.57
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	13	0.57
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	13	0.57
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	4	0.57
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	4	0.57
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	4	0.57
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	13	0.57
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	13	0.57
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	13	0.57
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	8	0.57
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	11	0.57
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	13	0.57
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	14	0.57
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	5	0.57
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	8	0.57
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	13	0.57
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	17	0.57
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	17	0.57
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	9	0.57
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	6	0.57
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	10	0.57
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	12	0.57
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	15	0.57
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	2	0.57
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	4	0.57
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	6	0.57
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	9	0.57
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	12	0.57
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	14	0.57
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	17	0.57
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	18	0.57
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	3	0.57
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	2	0.57
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	2	0.57
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	2	0.57
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	9	0.57
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	9	0.57
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	9	0.57
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	16	0.57
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	16	0.57
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	16	0.57
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	9	0.57
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	12	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	15	0.57
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	4	0.57
(1,3001)	1:358:A:LYS:HA	1:357:A:TYR:HB2	18	0.57
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	5	0.57
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	3	0.57
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	12	0.57
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	9	0.57
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	9	0.57
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	9	0.57
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	9	0.57
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	9	0.57
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	9	0.57
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	9	0.57
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	9	0.57
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	9	0.57
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	6	0.57
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	16	0.57
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	4	0.57
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	14	0.57
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	16	0.57
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	8	0.57
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	9	0.57
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	15	0.57
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	18	0.57
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	3	0.57
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	19	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	2	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	2	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	2	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	4	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	4	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	4	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	5	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	5	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	5	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	11	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	11	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	11	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	14	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	14	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	14	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	15	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	15	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	15	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	18	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	18	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	18	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	19	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	19	0.57
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	19	0.57
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	13	0.57
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	1	0.57
(1,2442)	1:447:A:PRO:HA	1:447:A:PRO:HG3	5	0.57
(1,2434)	1:399:A:ASP:HB2	1:399:A:ASP:H	3	0.57
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	6	0.57
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	6	0.57
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	6	0.57
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	10	0.57
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	10	0.57
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	10	0.57
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	7	0.57
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	1	0.57
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	2	0.57
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	4	0.57
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	7	0.57
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	11	0.57
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	12	0.57
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	15	0.57
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	18	0.57
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	2	0.57
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	1	0.57
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	3	0.57
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	5	0.57
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	8	0.57
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	9	0.57
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	10	0.57
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	11	0.57
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	12	0.57
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	16	0.57
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	20	0.57
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	5	0.57
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	8	0.57
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	18	0.57
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	12	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	15	0.57
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	19	0.57
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	20	0.57
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	2	0.57
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	2	0.57
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	2	0.57
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	2	0.57
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	9	0.57
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	9	0.57
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	9	0.57
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	13	0.57
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	13	0.57
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	13	0.57
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	16	0.57
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	16	0.57
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	16	0.57
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	12	0.57
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	1	0.57
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	2	0.57
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	5	0.57
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	7	0.57
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	8	0.57
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	9	0.57
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	10	0.57
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	11	0.57
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	12	0.57
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	13	0.57
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	14	0.57
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	15	0.57
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	16	0.57
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	18	0.57
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	19	0.57
(1,2155)	1:382:A:PHE:HA	1:382:A:PHE:H	20	0.57
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	2	0.57
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	3	0.57
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	7	0.57
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	8	0.57
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	13	0.57
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	14	0.57
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	18	0.57
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	19	0.57
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	7	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	7	0.57
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	7	0.57
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	7	0.57
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	7	0.57
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	7	0.57
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	7	0.57
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	7	0.57
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	7	0.57
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	8	0.57
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	8	0.57
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	8	0.57
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	8	0.57
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	8	0.57
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	8	0.57
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	8	0.57
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	8	0.57
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	8	0.57
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	11	0.57
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	11	0.57
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	11	0.57
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	11	0.57
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	11	0.57
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	11	0.57
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	11	0.57
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	11	0.57
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	11	0.57
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	13	0.57
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	13	0.57
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	13	0.57
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	13	0.57
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	13	0.57
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	13	0.57
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	13	0.57
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	13	0.57
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	13	0.57
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	16	0.57
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	16	0.57
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	16	0.57
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	16	0.57
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	16	0.57
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	16	0.57
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	16	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	16	0.57
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	16	0.57
(1,1963)	1:373:A:PRO:HG3	1:373:A:PRO:HA	6	0.57
(1,1906)	1:382:A:PHE:HB3	1:381:A:VAL:HA	7	0.57
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	20	0.57
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	15	0.57
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	12	0.57
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	15	0.57
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	1	0.57
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	1	0.57
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	1	0.57
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	2	0.57
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	2	0.57
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	2	0.57
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	6	0.57
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	6	0.57
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	6	0.57
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	7	0.57
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	7	0.57
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	7	0.57
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	11	0.57
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	11	0.57
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	11	0.57
(1,1752)	1:352:A:GLN:HG2	1:353:A:HIS:H	19	0.57
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	7	0.57
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	12	0.57
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	17	0.57
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	8	0.57
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	4	0.57
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	17	0.57
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	8	0.57
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	9	0.57
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	10	0.57
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	19	0.57
(1,1580)	1:395:A:GLY:HA3	1:396:A:THR:H	2	0.57
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	14	0.57
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	14	0.57
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	17	0.57
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	17	0.57
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	7	0.57
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	7	0.57
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	7	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	9	0.57
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	9	0.57
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	9	0.57
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	4	0.57
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	4	0.57
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	4	0.57
(1,1473)	1:451:A:LYS:HB2	1:451:A:LYS:HD3	16	0.57
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	4	0.57
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	4	0.57
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	4	0.57
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	7	0.57
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	7	0.57
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	7	0.57
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	10	0.57
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	18	0.57
(1,1466)	1:382:A:PHE:HA	1:382:A:PHE:HB3	19	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	1	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	2	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	3	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	4	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	5	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	6	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	7	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	8	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	9	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	10	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	11	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	12	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	13	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	14	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	15	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	16	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	17	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	18	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	19	0.57
(1,1461)	1:378:A:PRO:HB3	1:378:A:PRO:HA	20	0.57
(1,1379)	1:361:A:LYS:HD2	1:361:A:LYS:H	8	0.57
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	2	0.57
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	5	0.57
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	7	0.57
(1,1320)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	2	0.57
(1,1320)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	2	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	2	0.57
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	12	0.57
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	17	0.57
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	2	0.57
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	2	0.57
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	2	0.57
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	20	0.57
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	20	0.57
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	20	0.57
(1,1253)	1:383:A:TYR:HB3	1:384:A:VAL:H	3	0.57
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	16	0.57
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	6	0.57
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	13	0.57
(1,1191)	1:372:A:LYS:HG3	1:372:A:LYS:HA	15	0.57
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	3	0.57
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	6	0.57
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	7	0.57
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	9	0.57
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	12	0.57
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	16	0.57
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	17	0.57
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	2	0.57
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	2	0.57
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	2	0.57
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	13	0.57
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	13	0.57
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	13	0.57
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	19	0.57
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	19	0.57
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	19	0.57
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	6	0.57
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	8	0.57
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	4	0.57
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	9	0.57
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	12	0.57
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	14	0.57
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	19	0.57
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	9	0.57
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	9	0.57
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	9	0.57
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	16	0.57
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	16	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	16	0.57
(1,1073)	1:377:A:THR:HA	1:378:A:PRO:HB2	2	0.57
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	7	0.57
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	16	0.57
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	18	0.57
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	18	0.57
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	18	0.57
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	19	0.57
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	19	0.57
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	19	0.57
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	19	0.57
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	19	0.57
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	19	0.57
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	19	0.57
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	19	0.57
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	19	0.57
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	16	0.57
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	16	0.57
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	16	0.57
(1,942)	1:405:A:SER:HB3	1:405:A:SER:H	4	0.57
(1,942)	1:405:A:SER:HB3	1:405:A:SER:H	7	0.57
(1,942)	1:405:A:SER:HB3	1:405:A:SER:H	11	0.57
(1,942)	1:405:A:SER:HB3	1:405:A:SER:H	14	0.57
(1,942)	1:405:A:SER:HB3	1:405:A:SER:H	16	0.57
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	12	0.57
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	20	0.57
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	18	0.57
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	6	0.57
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	3	0.57
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	3	0.57
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	3	0.57
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	7	0.57
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	11	0.57
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	11	0.57
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	11	0.57
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	3	0.57
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	9	0.57
(1,734)	1:402:A:PRO:HA	1:402:A:PRO:HD3	4	0.57
(1,726)	1:366:A:THR:HA	1:367:A:ASP:HB2	2	0.57
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	19	0.57
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	1	0.57
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	19	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:342:A:ASP:HB2	1:341:A:GLU:HA	13	0.57
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	8	0.57
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	4	0.57
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	13	0.57
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	14	0.57
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	17	0.57
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	5	0.57
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	13	0.57
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	1	0.57
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	2	0.57
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	4	0.57
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	6	0.57
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	8	0.57
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	9	0.57
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	11	0.57
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	14	0.57
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	15	0.57
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	17	0.57
(1,313)	1:447:A:PRO:HG3	1:447:A:PRO:HD3	18	0.57
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	8	0.57
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	9	0.57
(1,251)	1:361:A:LYS:HD3	1:361:A:LYS:H	10	0.57
(1,251)	1:361:A:LYS:HD3	1:361:A:LYS:H	11	0.57
(1,251)	1:361:A:LYS:HD3	1:361:A:LYS:H	18	0.57
(1,245)	1:352:A:GLN:HA	1:352:A:GLN:HG2	9	0.57
(1,245)	1:352:A:GLN:HA	1:352:A:GLN:HG2	11	0.57
(1,87)	1:408:A:ASN:HB2	1:408:A:ASN:HA	16	0.57
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	2	0.57
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE1	16	0.56
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE2	16	0.56
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	4	0.56
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	6	0.56
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	8	0.56
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	18	0.56
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	19	0.56
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	3	0.56
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	4	0.56
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	14	0.56
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	20	0.56
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	3	0.56
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	8	0.56
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	20	0.56
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	20	0.56
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	5	0.56
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	12	0.56
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	19	0.56
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	11	0.56
(1,4687)	1:347:A:VAL:H	1:355:A:TRP:HB2	18	0.56
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	10	0.56
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	1	0.56
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	3	0.56
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	4	0.56
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	14	0.56
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	18	0.56
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	19	0.56
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	1	0.56
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	5	0.56
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	11	0.56
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	17	0.56
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	5	0.56
(1,4605)	1:385:A:TRP:HE1	1:385:A:TRP:HZ2	12	0.56
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	6	0.56
(1,4592)	1:371:A:GLY:H	1:370:A:SER:HA	20	0.56
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	11	0.56
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	11	0.56
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	5	0.56
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	11	0.56
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	9	0.56
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	18	0.56
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	19	0.56
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	20	0.56
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	5	0.56
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	5	0.56
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	5	0.56
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	13	0.56
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	15	0.56
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	16	0.56
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	2	0.56
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	7	0.56
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	11	0.56
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	15	0.56
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	11	0.56
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	10	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4254)	1:369:A:VAL:H	1:368:A:ILE:HB	1	0.56
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	12	0.56
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	19	0.56
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	18	0.56
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	19	0.56
(1,4097)	1:425:A:TRP:HE1	1:423:A:SER:HB3	9	0.56
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	11	0.56
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	14	0.56
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	17	0.56
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	8	0.56
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	15	0.56
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	4	0.56
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	15	0.56
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	17	0.56
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	3	0.56
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	7	0.56
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	4	0.56
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	12	0.56
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	17	0.56
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	7	0.56
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	10	0.56
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	14	0.56
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	2	0.56
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	6	0.56
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	8	0.56
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	19	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	1	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	2	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	3	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	4	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	5	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	6	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	8	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	9	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	10	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	11	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	12	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	13	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	14	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	15	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	16	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	17	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	18	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	19	0.56
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	20	0.56
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	13	0.56
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	13	0.56
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	7	0.56
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	7	0.56
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	7	0.56
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	11	0.56
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	11	0.56
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	11	0.56
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	10	0.56
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	10	0.56
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	10	0.56
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	10	0.56
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	10	0.56
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	10	0.56
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	18	0.56
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	18	0.56
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	18	0.56
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	18	0.56
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	18	0.56
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	18	0.56
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	2	0.56
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	5	0.56
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	6	0.56
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	13	0.56
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	17	0.56
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	17	0.56
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	17	0.56
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD21	18	0.56
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD22	18	0.56
(1,3644)	1:357:A:TYR:HE1	1:464:A:LEU:HD23	18	0.56
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD21	18	0.56
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD22	18	0.56
(1,3644)	1:357:A:TYR:HE2	1:464:A:LEU:HD23	18	0.56
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	5	0.56
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	6	0.56
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	15	0.56
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	19	0.56
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	14	0.56
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	14	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	9	0.56
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	9	0.56
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	9	0.56
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	4	0.56
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	20	0.56
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	2	0.56
(1,3452)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	9	0.56
(1,3452)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	13	0.56
(1,3452)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	14	0.56
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	6	0.56
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	7	0.56
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	17	0.56
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	18	0.56
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	1	0.56
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	1	0.56
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	1	0.56
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	1	0.56
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	1	0.56
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	1	0.56
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	18	0.56
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	18	0.56
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	18	0.56
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	1	0.56
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	9	0.56
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	15	0.56
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	17	0.56
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	6	0.56
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	15	0.56
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	14	0.56
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	6	0.56
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	9	0.56
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	15	0.56
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	7	0.56
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	15	0.56
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	20	0.56
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	2	0.56
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	6	0.56
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	7	0.56
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	19	0.56
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	13	0.56
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	13	0.56
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	13	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	15	0.56
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	15	0.56
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	15	0.56
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	2	0.56
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	5	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	1	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	2	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	4	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	5	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	6	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	7	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	8	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	9	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	10	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	11	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	13	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	14	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	15	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	16	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	17	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	18	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	19	0.56
(1,2945)	1:395:A:GLY:HA2	1:395:A:GLY:HA3	20	0.56
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	5	0.56
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	10	0.56
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	12	0.56
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	19	0.56
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	19	0.56
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD1	9	0.56
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD2	9	0.56
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD1	9	0.56
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD2	9	0.56
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD1	9	0.56
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD2	9	0.56
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	7	0.56
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	7	0.56
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	7	0.56
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	7	0.56
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	7	0.56
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	7	0.56
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	2	0.56
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	3	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	4	0.56
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	5	0.56
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	6	0.56
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	7	0.56
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	10	0.56
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	11	0.56
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	12	0.56
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	13	0.56
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	14	0.56
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	19	0.56
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	5	0.56
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	19	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	1	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	1	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	1	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	3	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	3	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	3	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	7	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	7	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	7	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	10	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	10	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	10	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	17	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	17	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	17	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	20	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	20	0.56
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	20	0.56
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	2	0.56
(1,2419)	1:387:A:LYS:HG3	1:387:A:LYS:H	19	0.56
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	16	0.56
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	11	0.56
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	11	0.56
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	11	0.56
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	2	0.56
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	3	0.56
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	4	0.56
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	5	0.56
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	6	0.56
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	8	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	9	0.56
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	10	0.56
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	11	0.56
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	12	0.56
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	13	0.56
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	15	0.56
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	16	0.56
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	17	0.56
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	18	0.56
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	19	0.56
(1,2290)	1:462:A:PRO:HA	1:462:A:PRO:HB3	20	0.56
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	5	0.56
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	19	0.56
(1,2278)	1:343:A:THR:HA	1:342:A:ASP:HB3	12	0.56
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	13	0.56
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	14	0.56
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	6	0.56
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	8	0.56
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	9	0.56
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	10	0.56
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	14	0.56
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	20	0.56
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	3	0.56
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	14	0.56
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	18	0.56
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	16	0.56
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	4	0.56
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	3	0.56
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	1	0.56
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	1	0.56
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	1	0.56
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	4	0.56
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	4	0.56
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	4	0.56
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	17	0.56
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	17	0.56
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	17	0.56
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	19	0.56
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	19	0.56
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	19	0.56
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	20	0.56
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	20	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	20	0.56
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	7	0.56
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	3	0.56
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	4	0.56
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	11	0.56
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	20	0.56
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	9	0.56
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	5	0.56
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	5	0.56
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	5	0.56
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	5	0.56
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	5	0.56
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	5	0.56
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	5	0.56
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	5	0.56
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	5	0.56
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	14	0.56
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	14	0.56
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	14	0.56
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	14	0.56
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	14	0.56
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	14	0.56
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	14	0.56
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	14	0.56
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	14	0.56
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	19	0.56
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	19	0.56
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	19	0.56
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	19	0.56
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	19	0.56
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	19	0.56
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	19	0.56
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	19	0.56
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	19	0.56
(1,2017)	1:440:A:HIS:HA	1:440:A:HIS:HB3	11	0.56
(1,1866)	1:372:A:LYS:HB2	1:372:A:LYS:HD2	15	0.56
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	1	0.56
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	2	0.56
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	3	0.56
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	4	0.56
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	6	0.56
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	8	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	9	0.56
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	10	0.56
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	11	0.56
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	17	0.56
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	18	0.56
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	20	0.56
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	9	0.56
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	14	0.56
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	18	0.56
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	19	0.56
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	14	0.56
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	14	0.56
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	14	0.56
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	3	0.56
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	5	0.56
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	6	0.56
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	7	0.56
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	9	0.56
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	16	0.56
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	20	0.56
(1,1654)	1:342:A:ASP:HA	1:343:A:THR:H	12	0.56
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	5	0.56
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	10	0.56
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	13	0.56
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	16	0.56
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	3	0.56
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	4	0.56
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	7	0.56
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	11	0.56
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	12	0.56
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	14	0.56
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	15	0.56
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	17	0.56
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	20	0.56
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	6	0.56
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	11	0.56
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	11	0.56
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	11	0.56
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	2	0.56
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	2	0.56
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	2	0.56
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	4	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	4	0.56
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	4	0.56
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	8	0.56
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	8	0.56
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	8	0.56
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	17	0.56
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	17	0.56
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	17	0.56
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	18	0.56
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	18	0.56
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	18	0.56
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	20	0.56
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	20	0.56
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	20	0.56
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	2	0.56
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	2	0.56
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	2	0.56
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	7	0.56
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	7	0.56
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	7	0.56
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	14	0.56
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	14	0.56
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	14	0.56
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	15	0.56
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	15	0.56
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	15	0.56
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	16	0.56
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	16	0.56
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	16	0.56
(1,1467)	1:372:A:LYS:HB3	1:372:A:LYS:HD3	20	0.56
(1,1424)	1:367:A:ASP:HB3	1:368:A:ILE:H	8	0.56
(1,1394)	1:428:A:GLU:HB2	1:428:A:GLU:H	13	0.56
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	16	0.56
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	5	0.56
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	5	0.56
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	5	0.56
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	3	0.56
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	3	0.56
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	3	0.56
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	12	0.56
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	12	0.56
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	12	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	14	0.56
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	14	0.56
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	14	0.56
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	15	0.56
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	15	0.56
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	15	0.56
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	3	0.56
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	3	0.56
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	3	0.56
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	3	0.56
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	3	0.56
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	3	0.56
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	2	0.56
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	7	0.56
(1,1169)	1:385:A:TRP:HB3	1:386:A:ASN:HA	2	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	1	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	1	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	1	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	3	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	3	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	3	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	5	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	5	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	5	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	7	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	7	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	7	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	9	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	9	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	9	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	11	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	11	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	11	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	14	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	14	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	14	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	15	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	15	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	15	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	16	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	16	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	16	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	17	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	17	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	17	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	18	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	18	0.56
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	18	0.56
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	11	0.56
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	19	0.56
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	2	0.56
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	2	0.56
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	2	0.56
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	3	0.56
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	3	0.56
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	3	0.56
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	6	0.56
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	6	0.56
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	6	0.56
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	3	0.56
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	13	0.56
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	15	0.56
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	16	0.56
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	5	0.56
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	10	0.56
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	10	0.56
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	10	0.56
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	13	0.56
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	13	0.56
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	13	0.56
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	3	0.56
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	2	0.56
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	12	0.56
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	2	0.56
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	2	0.56
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	2	0.56
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	7	0.56
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	7	0.56
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	7	0.56
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	10	0.56
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	10	0.56
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	10	0.56
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	11	0.56
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	11	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	11	0.56
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	13	0.56
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	13	0.56
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	13	0.56
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	16	0.56
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	16	0.56
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	16	0.56
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	14	0.56
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	14	0.56
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	14	0.56
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	11	0.56
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	11	0.56
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	11	0.56
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	11	0.56
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	11	0.56
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	11	0.56
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	11	0.56
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	11	0.56
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	11	0.56
(1,942)	1:405:A:SER:HB3	1:405:A:SER:H	18	0.56
(1,942)	1:405:A:SER:HB3	1:405:A:SER:H	19	0.56
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	4	0.56
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	9	0.56
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	10	0.56
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	2	0.56
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	4	0.56
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	17	0.56
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	19	0.56
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	15	0.56
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	13	0.56
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	18	0.56
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	20	0.56
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	20	0.56
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	20	0.56
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	12	0.56
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	3	0.56
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	3	0.56
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	3	0.56
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	4	0.56
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	4	0.56
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	4	0.56
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	8	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	8	0.56
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	8	0.56
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	13	0.56
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	13	0.56
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	13	0.56
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	17	0.56
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	17	0.56
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	17	0.56
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	6	0.56
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	6	0.56
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE1	19	0.56
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE2	19	0.56
(1,753)	1:450:A:MET:HG3	1:450:A:MET:HE3	19	0.56
(1,726)	1:366:A:THR:HA	1:367:A:ASP:HB2	14	0.56
(1,726)	1:366:A:THR:HA	1:367:A:ASP:HB2	16	0.56
(1,726)	1:366:A:THR:HA	1:367:A:ASP:HB2	18	0.56
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	5	0.56
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	18	0.56
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	18	0.56
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	18	0.56
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	7	0.56
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	2	0.56
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	2	0.56
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	2	0.56
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	6	0.56
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	6	0.56
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	6	0.56
(1,586)	1:408:A:ASN:HB2	1:409:A:TYR:HE1	13	0.56
(1,586)	1:408:A:ASN:HB2	1:409:A:TYR:HE2	13	0.56
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	3	0.56
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	10	0.56
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	12	0.56
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	17	0.56
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	2	0.56
(1,510)	1:372:A:LYS:HD3	1:372:A:LYS:HG2	11	0.56
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	17	0.56
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	5	0.56
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	16	0.56
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	10	0.56
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	4	0.56
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	4	0.56
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	4	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	9	0.56
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	9	0.56
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	9	0.56
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	10	0.56
(1,251)	1:361:A:LYS:HD3	1:361:A:LYS:H	20	0.56
(1,245)	1:352:A:GLN:HA	1:352:A:GLN:HG2	13	0.56
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	2	0.56
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	2	0.56
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	2	0.56
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	2	0.56
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	2	0.56
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	2	0.56
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	2	0.56
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	2	0.56
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	2	0.56
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	11	0.56
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	11	0.56
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	11	0.56
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	11	0.56
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	11	0.56
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	11	0.56
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	11	0.56
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	11	0.56
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	11	0.56
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	4	0.56
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	7	0.56
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	17	0.56
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	3	0.56
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	2	0.56
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	2	0.56
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	2	0.56
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	7	0.56
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	7	0.56
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	7	0.56
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	10	0.56
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	10	0.56
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	10	0.56
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	11	0.56
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	11	0.56
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	11	0.56
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	13	0.56
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	13	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	13	0.56
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	16	0.56
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	16	0.56
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	16	0.56
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	3	0.55
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	18	0.55
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	13	0.55
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE1	5	0.55
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE2	5	0.55
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	8	0.55
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	10	0.55
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	17	0.55
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	18	0.55
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	3	0.55
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	15	0.55
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	8	0.55
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	4	0.55
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	6	0.55
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	7	0.55
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	1	0.55
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	1	0.55
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	5	0.55
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	1	0.55
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	5	0.55
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	7	0.55
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	14	0.55
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	5	0.55
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	14	0.55
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	6	0.55
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	13	0.55
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	16	0.55
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	19	0.55
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	18	0.55
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	11	0.55
(1,4702)	1:414:A:ASP:H	1:414:A:ASP:HB2	5	0.55
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	15	0.55
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	9	0.55
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	11	0.55
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	2	0.55
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	15	0.55
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	18	0.55
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	9	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	15	0.55
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD1	20	0.55
(1,4578)	1:404:A:GLU:H	1:403:A:TYR:HD2	20	0.55
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	1	0.55
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	4	0.55
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	8	0.55
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	11	0.55
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	12	0.55
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	13	0.55
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	14	0.55
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	15	0.55
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	17	0.55
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	8	0.55
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	14	0.55
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	20	0.55
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	17	0.55
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	17	0.55
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	17	0.55
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	8	0.55
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	14	0.55
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	16	0.55
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	20	0.55
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	4	0.55
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	13	0.55
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	2	0.55
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	3	0.55
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	9	0.55
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	10	0.55
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	11	0.55
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	13	0.55
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	14	0.55
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	17	0.55
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	9	0.55
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	19	0.55
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	13	0.55
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	15	0.55
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	15	0.55
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	15	0.55
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	19	0.55
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	19	0.55
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	19	0.55
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	3	0.55
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	10	0.55
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	17	0.55
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	18	0.55
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	19	0.55
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	20	0.55
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	2	0.55
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	6	0.55
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	13	0.55
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	16	0.55
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	19	0.55
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	1	0.55
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	9	0.55
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	2	0.55
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	12	0.55
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG11	10	0.55
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG12	10	0.55
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG13	10	0.55
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	14	0.55
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	17	0.55
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	2	0.55
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	2	0.55
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	6	0.55
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	18	0.55
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	1	0.55
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	12	0.55
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	6	0.55
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	12	0.55
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	13	0.55
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	2	0.55
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	5	0.55
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	8	0.55
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	17	0.55
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	1	0.55
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	14	0.55
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	18	0.55
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	19	0.55
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	15	0.55
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	16	0.55
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	19	0.55
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	2	0.55
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	2	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	10	0.55
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	10	0.55
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	15	0.55
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	15	0.55
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	2	0.55
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	2	0.55
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	2	0.55
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	2	0.55
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	2	0.55
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	2	0.55
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	14	0.55
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	14	0.55
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	14	0.55
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	14	0.55
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	14	0.55
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	14	0.55
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	13	0.55
(1,3801)	1:385:A:TRP:HE3	1:385:A:TRP:HH2	7	0.55
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	14	0.55
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	14	0.55
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	14	0.55
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	14	0.55
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	14	0.55
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	14	0.55
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	16	0.55
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	15	0.55
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	15	0.55
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	16	0.55
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	16	0.55
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG11	16	0.55
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG12	16	0.55
(1,3705)	1:421:A:HIS:HD2	1:407:A:VAL:HG13	16	0.55
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	13	0.55
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	13	0.55
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	13	0.55
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	18	0.55
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	18	0.55
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	18	0.55
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	1	0.55
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	2	0.55
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	3	0.55
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	9	0.55
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	10	0.55
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	11	0.55
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	12	0.55
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	13	0.55
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	14	0.55
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	16	0.55
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	17	0.55
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	18	0.55
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	20	0.55
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	4	0.55
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	4	0.55
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	5	0.55
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	5	0.55
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	6	0.55
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	6	0.55
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	16	0.55
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	16	0.55
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	5	0.55
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	15	0.55
(1,3452)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	15	0.55
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	8	0.55
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	13	0.55
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	14	0.55
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE1	5	0.55
(1,3379)	1:362:A:VAL:HG21	1:357:A:TYR:HE2	5	0.55
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE1	5	0.55
(1,3379)	1:362:A:VAL:HG22	1:357:A:TYR:HE2	5	0.55
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE1	5	0.55
(1,3379)	1:362:A:VAL:HG23	1:357:A:TYR:HE2	5	0.55
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	18	0.55
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	11	0.55
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	11	0.55
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	11	0.55
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	16	0.55
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	16	0.55
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	16	0.55
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	6	0.55
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	6	0.55
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	6	0.55
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	12	0.55
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3287)	1:459:A:LYS:HA	1:460:A:GLY:H	19	0.55
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	10	0.55
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	5	0.55
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	17	0.55
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	20	0.55
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	11	0.55
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	8	0.55
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	19	0.55
(1,3168)	1:459:A:LYS:HE3	1:459:A:LYS:HB2	18	0.55
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	1	0.55
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	6	0.55
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	17	0.55
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	8	0.55
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	10	0.55
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	11	0.55
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	13	0.55
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	16	0.55
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	19	0.55
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	1	0.55
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	9	0.55
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	10	0.55
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	11	0.55
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	12	0.55
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	13	0.55
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	14	0.55
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	17	0.55
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	18	0.55
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	20	0.55
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	1	0.55
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	1	0.55
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	1	0.55
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	5	0.55
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	5	0.55
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	5	0.55
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	12	0.55
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	12	0.55
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	12	0.55
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	14	0.55
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	14	0.55
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	14	0.55
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	20	0.55
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	20	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	20	0.55
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	16	0.55
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	2	0.55
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	2	0.55
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	2	0.55
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	2	0.55
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	2	0.55
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	2	0.55
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	2	0.55
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	2	0.55
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	2	0.55
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	17	0.55
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	17	0.55
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	17	0.55
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	17	0.55
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	17	0.55
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	17	0.55
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	17	0.55
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	17	0.55
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	17	0.55
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	15	0.55
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	10	0.55
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	11	0.55
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	10	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	1	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	2	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	3	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	4	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	5	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	6	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	7	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	8	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	9	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	10	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	11	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	12	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	13	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	14	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	15	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	16	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	17	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	19	0.55
(1,2856)	1:400:A:GLY:HA3	1:400:A:GLY:HA2	20	0.55
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	1	0.55
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	2	0.55
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	12	0.55
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	20	0.55
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	10	0.55
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	13	0.55
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	8	0.55
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	8	0.55
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	8	0.55
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	8	0.55
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	8	0.55
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	8	0.55
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	1	0.55
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	16	0.55
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	17	0.55
(1,2737)	1:389:A:GLU:HG2	1:389:A:GLU:HG3	20	0.55
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	5	0.55
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	8	0.55
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	15	0.55
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	18	0.55
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	17	0.55
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	18	0.55
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	20	0.55
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	6	0.55
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	6	0.55
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	6	0.55
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	12	0.55
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	12	0.55
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	12	0.55
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	13	0.55
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	13	0.55
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	13	0.55
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD21	16	0.55
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD22	16	0.55
(1,2577)	1:364:A:LEU:HB3	1:364:A:LEU:HD23	16	0.55
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	14	0.55
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	11	0.55
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	11	0.55
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	11	0.55
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	6	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	11	0.55
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	14	0.55
(1,2314)	1:405:A:SER:HB2	1:405:A:SER:H	12	0.55
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	2	0.55
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	2	0.55
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	2	0.55
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	9	0.55
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	9	0.55
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	9	0.55
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	12	0.55
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	12	0.55
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	12	0.55
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	16	0.55
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	16	0.55
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	16	0.55
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	19	0.55
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	19	0.55
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	19	0.55
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	20	0.55
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	20	0.55
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	20	0.55
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	4	0.55
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	18	0.55
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	17	0.55
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	18	0.55
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	20	0.55
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	5	0.55
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	13	0.55
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	16	0.55
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	13	0.55
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	15	0.55
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	7	0.55
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	1	0.55
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	2	0.55
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	6	0.55
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	12	0.55
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	19	0.55
(1,2199)	1:357:A:TYR:HA	1:356:A:TYR:HB3	9	0.55
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	7	0.55
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	15	0.55
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	19	0.55
(1,2186)	1:381:A:VAL:HB	1:381:A:VAL:HA	20	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	5	0.55
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	5	0.55
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	5	0.55
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	6	0.55
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	6	0.55
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	6	0.55
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	7	0.55
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	7	0.55
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	7	0.55
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	8	0.55
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	8	0.55
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	8	0.55
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	12	0.55
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	12	0.55
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	12	0.55
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	15	0.55
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	15	0.55
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	15	0.55
(1,2164)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	16	0.55
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	13	0.55
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	19	0.55
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD21	1	0.55
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD22	1	0.55
(1,2031)	1:363:A:ALA:HB1	1:364:A:LEU:HD23	1	0.55
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD21	1	0.55
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD22	1	0.55
(1,2031)	1:363:A:ALA:HB2	1:364:A:LEU:HD23	1	0.55
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD21	1	0.55
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD22	1	0.55
(1,2031)	1:363:A:ALA:HB3	1:364:A:LEU:HD23	1	0.55
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	3	0.55
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	3	0.55
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	3	0.55
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	5	0.55
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	7	0.55
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	12	0.55
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	13	0.55
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	14	0.55
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	15	0.55
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	16	0.55
(1,1859)	1:350:A:GLU:HB3	1:350:A:GLU:HB2	19	0.55
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1834)	1:402:A:PRO:HB2	1:401:A:THR:HA	17	0.55
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	19	0.55
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	8	0.55
(1,1825)	1:458:A:GLU:HB2	1:457:A:VAL:HA	13	0.55
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB1	15	0.55
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB2	15	0.55
(1,1778)	1:380:A:GLY:HA2	1:379:A:ALA:HB3	15	0.55
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	5	0.55
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	10	0.55
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	19	0.55
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	8	0.55
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	15	0.55
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	3	0.55
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	6	0.55
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	1	0.55
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	3	0.55
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	4	0.55
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	6	0.55
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	9	0.55
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	14	0.55
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	18	0.55
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	20	0.55
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	5	0.55
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	13	0.55
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	16	0.55
(1,1628)	1:346:A:GLU:HB2	1:346:A:GLU:HA	18	0.55
(1,1580)	1:395:A:GLY:HA3	1:396:A:THR:H	17	0.55
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	3	0.55
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	6	0.55
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	7	0.55
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	1	0.55
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	1	0.55
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	1	0.55
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	1	0.55
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	1	0.55
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	1	0.55
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	10	0.55
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	10	0.55
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	10	0.55
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	11	0.55
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	11	0.55
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	11	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	14	0.55
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	14	0.55
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	14	0.55
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	16	0.55
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	16	0.55
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	16	0.55
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	19	0.55
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	19	0.55
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	19	0.55
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	1	0.55
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	1	0.55
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	1	0.55
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	8	0.55
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	8	0.55
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	8	0.55
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	10	0.55
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	10	0.55
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	10	0.55
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	12	0.55
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	12	0.55
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	12	0.55
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	6	0.55
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	6	0.55
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	6	0.55
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	12	0.55
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	12	0.55
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	12	0.55
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	15	0.55
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	15	0.55
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	15	0.55
(1,1379)	1:361:A:LYS:HD2	1:361:A:LYS:H	6	0.55
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	2	0.55
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	10	0.55
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	10	0.55
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	10	0.55
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	12	0.55
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	12	0.55
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	12	0.55
(1,1320)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	5	0.55
(1,1320)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	5	0.55
(1,1320)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	5	0.55
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	13	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	13	0.55
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	13	0.55
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	17	0.55
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	17	0.55
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	17	0.55
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	18	0.55
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	18	0.55
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	18	0.55
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	1	0.55
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	2	0.55
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	3	0.55
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	4	0.55
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	8	0.55
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	9	0.55
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	10	0.55
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	11	0.55
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	12	0.55
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	15	0.55
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	16	0.55
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	18	0.55
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	19	0.55
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	20	0.55
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	19	0.55
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	19	0.55
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	19	0.55
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	19	0.55
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	19	0.55
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	19	0.55
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	20	0.55
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	20	0.55
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	20	0.55
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	20	0.55
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	20	0.55
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	20	0.55
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	3	0.55
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	11	0.55
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	12	0.55
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	14	0.55
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	15	0.55
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	20	0.55
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	4	0.55
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	4	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	4	0.55
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	6	0.55
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	6	0.55
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	6	0.55
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	8	0.55
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	8	0.55
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	8	0.55
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	10	0.55
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	10	0.55
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	10	0.55
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	12	0.55
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	12	0.55
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	12	0.55
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD21	20	0.55
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD22	20	0.55
(1,1147)	1:453:A:LEU:HB3	1:453:A:LEU:HD23	20	0.55
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	1	0.55
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	14	0.55
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	20	0.55
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	1	0.55
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	1	0.55
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	1	0.55
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	4	0.55
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	4	0.55
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	4	0.55
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	5	0.55
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	5	0.55
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	5	0.55
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	7	0.55
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	7	0.55
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	7	0.55
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	8	0.55
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	8	0.55
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	8	0.55
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	9	0.55
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	9	0.55
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	9	0.55
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	11	0.55
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	11	0.55
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	11	0.55
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	12	0.55
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	12	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	12	0.55
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	13	0.55
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	13	0.55
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	13	0.55
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	14	0.55
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	14	0.55
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	14	0.55
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	15	0.55
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	15	0.55
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	15	0.55
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	16	0.55
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	16	0.55
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	16	0.55
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	17	0.55
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	17	0.55
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	17	0.55
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	18	0.55
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	18	0.55
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	18	0.55
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	19	0.55
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	19	0.55
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	19	0.55
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	20	0.55
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	20	0.55
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	20	0.55
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	18	0.55
(1,1113)	1:445:A:THR:HA	1:444:A:ASN:HB2	15	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	1	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	2	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	3	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	4	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	5	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	6	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	7	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	8	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	9	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	10	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	11	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	12	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	13	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	14	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	15	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	16	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	17	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	18	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	19	0.55
(1,1111)	1:456:A:MET:HB2	1:456:A:MET:HB3	20	0.55
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	11	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	4	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	4	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	4	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	8	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	8	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	8	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	12	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	12	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	12	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	18	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	18	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	18	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	19	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	19	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	19	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	20	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	20	0.55
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	20	0.55
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	5	0.55
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	10	0.55
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	20	0.55
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	2	0.55
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	2	0.55
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	2	0.55
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	6	0.55
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	6	0.55
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	6	0.55
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	10	0.55
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	10	0.55
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	10	0.55
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	18	0.55
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	18	0.55
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	18	0.55
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	1	0.55
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	2	0.55
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	3	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	4	0.55
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	8	0.55
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	9	0.55
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	10	0.55
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	11	0.55
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	12	0.55
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	15	0.55
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	16	0.55
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	18	0.55
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	19	0.55
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	20	0.55
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	1	0.55
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	1	0.55
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	1	0.55
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	3	0.55
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	3	0.55
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	3	0.55
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	4	0.55
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	4	0.55
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	4	0.55
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	5	0.55
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	5	0.55
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	5	0.55
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	6	0.55
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	6	0.55
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	6	0.55
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	8	0.55
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	8	0.55
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	8	0.55
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	9	0.55
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	9	0.55
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	9	0.55
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	12	0.55
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	12	0.55
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	12	0.55
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	14	0.55
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	14	0.55
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	14	0.55
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	15	0.55
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	15	0.55
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	15	0.55
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	17	0.55
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	17	0.55
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	18	0.55
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	18	0.55
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	18	0.55
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	19	0.55
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	19	0.55
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	19	0.55
(1,1013)	1:465:A:VAL:HG21	1:465:A:VAL:HB	20	0.55
(1,1013)	1:465:A:VAL:HG22	1:465:A:VAL:HB	20	0.55
(1,1013)	1:465:A:VAL:HG23	1:465:A:VAL:HB	20	0.55
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	4	0.55
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	4	0.55
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	4	0.55
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	7	0.55
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	7	0.55
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	7	0.55
(1,942)	1:405:A:SER:HB3	1:405:A:SER:H	3	0.55
(1,942)	1:405:A:SER:HB3	1:405:A:SER:H	20	0.55
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	3	0.55
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	17	0.55
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	13	0.55
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	14	0.55
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	2	0.55
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	6	0.55
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	6	0.55
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	6	0.55
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	14	0.55
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	14	0.55
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	14	0.55
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	19	0.55
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	19	0.55
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	19	0.55
(1,726)	1:366:A:THR:HA	1:367:A:ASP:HB2	13	0.55
(1,726)	1:366:A:THR:HA	1:367:A:ASP:HB2	20	0.55
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	4	0.55
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	4	0.55
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	5	0.55
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	5	0.55
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	20	0.55
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	12	0.55
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	12	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	12	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	1	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	2	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	3	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	4	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	5	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	6	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	7	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	8	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	9	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	10	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	11	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	12	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	13	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	14	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	15	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	16	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	17	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	18	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	19	0.55
(1,597)	1:400:A:GLY:HA2	1:400:A:GLY:HA3	20	0.55
(1,584)	1:350:A:GLU:HB2	1:351:A:ASN:H	3	0.55
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	2	0.55
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	14	0.55
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	13	0.55
(1,470)	1:404:A:GLU:HB3	1:405:A:SER:H	11	0.55
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	16	0.55
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	14	0.55
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	14	0.55
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	14	0.55
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	13	0.55
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	15	0.55
(1,251)	1:361:A:LYS:HD3	1:361:A:LYS:H	1	0.55
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	5	0.55
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	5	0.55
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	5	0.55
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	5	0.55
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	5	0.55
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	5	0.55
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	5	0.55
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	5	0.55
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	9	0.55
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	9	0.55
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	9	0.55
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	9	0.55
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	9	0.55
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	9	0.55
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	9	0.55
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	9	0.55
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	9	0.55
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	12	0.55
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	17	0.55
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	20	0.55
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	7	0.55
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	15	0.55
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	19	0.55
(1,31)	1:381:A:VAL:HA	1:381:A:VAL:HB	20	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	1	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	1	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	1	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	3	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	3	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	3	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	4	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	4	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	4	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	5	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	5	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	5	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	6	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	6	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	6	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	8	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	8	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	8	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	9	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	9	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	9	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	12	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	12	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	12	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	14	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	14	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	14	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	15	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	15	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	15	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	17	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	17	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	17	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	18	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	18	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	18	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	19	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	19	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	19	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG21	20	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG22	20	0.55
(1,13)	1:465:A:VAL:HB	1:465:A:VAL:HG23	20	0.55
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	2	0.54
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	6	0.54
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	19	0.54
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	8	0.54
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	12	0.54
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	19	0.54
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	12	0.54
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	1	0.54
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	2	0.54
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	6	0.54
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	7	0.54
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	12	0.54
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	16	0.54
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	19	0.54
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	11	0.54
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	15	0.54
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	20	0.54
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	13	0.54
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	13	0.54
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	19	0.54
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	19	0.54
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	3	0.54
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	1	0.54
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	7	0.54
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	16	0.54
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	19	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	4	0.54
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	8	0.54
(1,4702)	1:414:A:ASP:H	1:414:A:ASP:HB2	14	0.54
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	9	0.54
(1,4645)	1:441:A:GLY:H	1:441:A:GLY:HA2	17	0.54
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	4	0.54
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	7	0.54
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	6	0.54
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	8	0.54
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	13	0.54
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	16	0.54
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	18	0.54
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	4	0.54
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	18	0.54
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	16	0.54
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	2	0.54
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	6	0.54
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	16	0.54
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	16	0.54
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	16	0.54
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	13	0.54
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	4	0.54
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	10	0.54
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	1	0.54
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	10	0.54
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	18	0.54
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	17	0.54
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	6	0.54
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	8	0.54
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	18	0.54
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	20	0.54
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	5	0.54
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	9	0.54
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	12	0.54
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	12	0.54
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	12	0.54
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	20	0.54
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	13	0.54
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	4	0.54
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	8	0.54
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	3	0.54
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	11	0.54
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	14	0.54
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	20	0.54
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	14	0.54
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	19	0.54
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	7	0.54
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	11	0.54
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	14	0.54
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	16	0.54
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	13	0.54
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	5	0.54
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	6	0.54
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	8	0.54
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	9	0.54
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	19	0.54
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	9	0.54
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	1	0.54
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	14	0.54
(1,3939)	1:374:A:THR:H	1:372:A:LYS:HG2	16	0.54
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	1	0.54
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	3	0.54
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	4	0.54
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	8	0.54
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	11	0.54
(1,3856)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	13	0.54
(1,3856)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	13	0.54
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	3	0.54
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	3	0.54
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	6	0.54
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	6	0.54
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	11	0.54
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	11	0.54
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	12	0.54
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	12	0.54
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	14	0.54
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	14	0.54
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	16	0.54
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	16	0.54
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	17	0.54
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	17	0.54
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	19	0.54
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	19	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	20	0.54
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	20	0.54
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	3	0.54
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	8	0.54
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	8	0.54
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	8	0.54
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	19	0.54
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	19	0.54
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	19	0.54
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	2	0.54
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	2	0.54
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	2	0.54
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	2	0.54
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	2	0.54
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	2	0.54
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	4	0.54
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	4	0.54
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	4	0.54
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	4	0.54
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	4	0.54
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	4	0.54
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	8	0.54
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	19	0.54
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	11	0.54
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	19	0.54
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	19	0.54
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	4	0.54
(1,3624)	1:425:A:TRP:HH2	1:425:A:TRP:HE3	7	0.54
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	15	0.54
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	15	0.54
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	15	0.54
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	15	0.54
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	15	0.54
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	15	0.54
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	3	0.54
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	3	0.54
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	7	0.54
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	7	0.54
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	10	0.54
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	10	0.54
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	11	0.54
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	11	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	12	0.54
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	12	0.54
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	12	0.54
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	18	0.54
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	18	0.54
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	18	0.54
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	12	0.54
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	2	0.54
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	4	0.54
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	9	0.54
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	20	0.54
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	8	0.54
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	9	0.54
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	15	0.54
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	10	0.54
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	10	0.54
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	10	0.54
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	18	0.54
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	8	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	1	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	2	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	3	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	4	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	6	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	7	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	8	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	9	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	10	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	11	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	12	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	13	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	14	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	15	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	16	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	18	0.54
(1,3261)	1:346:A:GLU:HG3	1:346:A:GLU:HG2	19	0.54
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	15	0.54
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	17	0.54
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	7	0.54
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	10	0.54
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	12	0.54
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	17	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	10	0.54
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	3	0.54
(1,3111)	1:447:A:PRO:HB2	1:447:A:PRO:HD2	5	0.54
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	4	0.54
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	8	0.54
(1,3056)	1:409:A:TYR:HA	1:409:A:TYR:H	15	0.54
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	4	0.54
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	4	0.54
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	4	0.54
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	6	0.54
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	6	0.54
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	6	0.54
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	7	0.54
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	7	0.54
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	7	0.54
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	8	0.54
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	8	0.54
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	8	0.54
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	17	0.54
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	17	0.54
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	17	0.54
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	18	0.54
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	18	0.54
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	18	0.54
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	3	0.54
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	4	0.54
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	11	0.54
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	10	0.54
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	12	0.54
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	13	0.54
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	9	0.54
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	10	0.54
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	15	0.54
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	8	0.54
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	13	0.54
(1,2829)	1:451:A:LYS:HB2	1:451:A:LYS:H	16	0.54
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	9	0.54
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	17	0.54
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	1	0.54
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	1	0.54
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	1	0.54
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	4	0.54
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	4	0.54
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	8	0.54
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	8	0.54
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	8	0.54
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	9	0.54
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	9	0.54
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	9	0.54
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	18	0.54
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	18	0.54
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	18	0.54
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	7	0.54
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	11	0.54
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	18	0.54
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	19	0.54
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	4	0.54
(1,2419)	1:387:A:LYS:HG3	1:387:A:LYS:H	11	0.54
(1,2419)	1:387:A:LYS:HG3	1:387:A:LYS:H	17	0.54
(1,2392)	1:381:A:VAL:HA	1:382:A:PHE:H	6	0.54
(1,2314)	1:405:A:SER:HB2	1:405:A:SER:H	10	0.54
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	4	0.54
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	4	0.54
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	4	0.54
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	5	0.54
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	5	0.54
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	5	0.54
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	7	0.54
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	7	0.54
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	7	0.54
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	8	0.54
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	8	0.54
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	8	0.54
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	18	0.54
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	18	0.54
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	18	0.54
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	8	0.54
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	9	0.54
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	11	0.54
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	13	0.54
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	16	0.54
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	19	0.54
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	7	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	11	0.54
(1,2236)	1:421:A:HIS:HA	1:421:A:HIS:HB3	3	0.54
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	10	0.54
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	18	0.54
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	3	0.54
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	4	0.54
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	7	0.54
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	8	0.54
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	9	0.54
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	11	0.54
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	14	0.54
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	15	0.54
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	17	0.54
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	18	0.54
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	20	0.54
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	3	0.54
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	3	0.54
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	3	0.54
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	14	0.54
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	14	0.54
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	14	0.54
(1,2185)	1:345:A:ILE:HG21	1:345:A:ILE:HA	18	0.54
(1,2185)	1:345:A:ILE:HG22	1:345:A:ILE:HA	18	0.54
(1,2185)	1:345:A:ILE:HG23	1:345:A:ILE:HA	18	0.54
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	11	0.54
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	5	0.54
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	10	0.54
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	16	0.54
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	18	0.54
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	10	0.54
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	6	0.54
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	6	0.54
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	6	0.54
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	1	0.54
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	6	0.54
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	15	0.54
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	3	0.54
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	4	0.54
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	5	0.54
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	6	0.54
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	9	0.54
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	15	0.54
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	8	0.54
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	18	0.54
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	16	0.54
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	11	0.54
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	19	0.54
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	2	0.54
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	7	0.54
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	2	0.54
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	7	0.54
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	8	0.54
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	11	0.54
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	12	0.54
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	15	0.54
(1,1644)	1:450:A:MET:HB2	1:450:A:MET:HG3	17	0.54
(1,1580)	1:395:A:GLY:HA3	1:396:A:THR:H	11	0.54
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	7	0.54
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	7	0.54
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	7	0.54
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	20	0.54
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	20	0.54
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	20	0.54
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	5	0.54
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	5	0.54
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	5	0.54
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	8	0.54
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	8	0.54
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	8	0.54
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	9	0.54
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	9	0.54
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	9	0.54
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	11	0.54
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	11	0.54
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	11	0.54
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	13	0.54
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	13	0.54
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	13	0.54
(1,1379)	1:361:A:LYS:HD2	1:361:A:LYS:H	7	0.54
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	11	0.54
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	11	0.54
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	11	0.54
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	15	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	15	0.54
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	15	0.54
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	17	0.54
(1,1320)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	16	0.54
(1,1320)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	16	0.54
(1,1320)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	16	0.54
(1,1301)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	4	0.54
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	5	0.54
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	5	0.54
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	5	0.54
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	16	0.54
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	16	0.54
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	16	0.54
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	5	0.54
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	6	0.54
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	7	0.54
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	13	0.54
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	14	0.54
(1,1200)	1:364:A:LEU:HB2	1:364:A:LEU:HB3	17	0.54
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	1	0.54
(1,1158)	1:383:A:TYR:HA	1:383:A:TYR:HB3	14	0.54
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	8	0.54
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	13	0.54
(1,1124)	1:358:A:LYS:HG2	1:358:A:LYS:HE3	18	0.54
(1,1120)	1:461:A:THR:HG21	1:461:A:THR:HB	10	0.54
(1,1120)	1:461:A:THR:HG22	1:461:A:THR:HB	10	0.54
(1,1120)	1:461:A:THR:HG23	1:461:A:THR:HB	10	0.54
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	3	0.54
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	3	0.54
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	3	0.54
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	7	0.54
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	7	0.54
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	7	0.54
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	14	0.54
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	14	0.54
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	14	0.54
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	15	0.54
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	15	0.54
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	15	0.54
(1,1061)	1:442:A:CYS:HB3	1:442:A:CYS:HA	11	0.54
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	8	0.54
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	18	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	13	0.54
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	7	0.54
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	7	0.54
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	7	0.54
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	13	0.54
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	13	0.54
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	13	0.54
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	14	0.54
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	14	0.54
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	14	0.54
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	15	0.54
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	15	0.54
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	15	0.54
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	20	0.54
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	20	0.54
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	20	0.54
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	5	0.54
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	6	0.54
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	7	0.54
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	13	0.54
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	14	0.54
(1,1016)	1:364:A:LEU:HB3	1:364:A:LEU:HB2	17	0.54
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	19	0.54
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	19	0.54
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	19	0.54
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	20	0.54
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	20	0.54
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	20	0.54
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	20	0.54
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	20	0.54
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	20	0.54
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	20	0.54
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	20	0.54
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	20	0.54
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	6	0.54
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	6	0.54
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	6	0.54
(1,942)	1:405:A:SER:HB3	1:405:A:SER:H	2	0.54
(1,942)	1:405:A:SER:HB3	1:405:A:SER:H	9	0.54
(1,942)	1:405:A:SER:HB3	1:405:A:SER:H	13	0.54
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	7	0.54
(1,928)	1:433:A:LEU:HB3	1:434:A:TRP:H	14	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	7	0.54
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	20	0.54
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	1	0.54
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	7	0.54
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	10	0.54
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	20	0.54
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	6	0.54
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	3	0.54
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	6	0.54
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	12	0.54
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	20	0.54
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	8	0.54
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	8	0.54
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	8	0.54
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	13	0.54
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	13	0.54
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	13	0.54
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	3	0.54
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	9	0.54
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	9	0.54
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	9	0.54
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	12	0.54
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	12	0.54
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	12	0.54
(1,749)	1:402:A:PRO:HA	1:403:A:TYR:HA	1	0.54
(1,726)	1:366:A:THR:HA	1:367:A:ASP:HB2	5	0.54
(1,726)	1:366:A:THR:HA	1:367:A:ASP:HB2	6	0.54
(1,726)	1:366:A:THR:HA	1:367:A:ASP:HB2	15	0.54
(1,726)	1:366:A:THR:HA	1:367:A:ASP:HB2	19	0.54
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	1	0.54
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	7	0.54
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	8	0.54
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	11	0.54
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	12	0.54
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	20	0.54
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	20	0.54
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	17	0.54
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	17	0.54
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	17	0.54
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	19	0.54
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	19	0.54
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	19	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	18	0.54
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	7	0.54
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	3	0.54
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	7	0.54
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	16	0.54
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	20	0.54
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	9	0.54
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	18	0.54
(1,501)	1:442:A:CYS:HA	1:442:A:CYS:HB3	11	0.54
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	5	0.54
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	8	0.54
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	18	0.54
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	9	0.54
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	11	0.54
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	1	0.54
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	8	0.54
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	18	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	1	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	2	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	3	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	4	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	5	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	6	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	7	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	8	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	9	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	10	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	11	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	13	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	14	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	15	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	16	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	18	0.54
(1,166)	1:465:A:VAL:HA	1:465:A:VAL:H	19	0.54
(1,148)	1:423:A:SER:HB2	1:423:A:SER:HA	1	0.54
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	10	0.53
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	15	0.53
(1,4904)	1:448:A:SER:H	1:449:A:VAL:H	11	0.53
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	15	0.53
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	13	0.53
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	9	0.53
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	12	0.53
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	14	0.53
(1,4855)	1:434:A:TRP:HE1	1:435:A:LYS:HE2	3	0.53
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	13	0.53
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	19	0.53
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	14	0.53
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	17	0.53
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	10	0.53
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	12	0.53
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	9	0.53
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	17	0.53
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	1	0.53
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	7	0.53
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	9	0.53
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	18	0.53
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	20	0.53
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	19	0.53
(1,4725)	1:395:A:GLY:H	1:402:A:PRO:HB3	13	0.53
(1,4720)	1:464:A:LEU:H	1:346:A:GLU:HA	5	0.53
(1,4702)	1:414:A:ASP:H	1:414:A:ASP:HB2	17	0.53
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	8	0.53
(1,4642)	1:410:A:TRP:H	1:409:A:TYR:HA	9	0.53
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	7	0.53
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	14	0.53
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	19	0.53
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	13	0.53
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	2	0.53
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	5	0.53
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	7	0.53
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	3	0.53
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	7	0.53
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	9	0.53
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	10	0.53
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	15	0.53
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	18	0.53
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	19	0.53
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	5	0.53
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	11	0.53
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	18	0.53
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	19	0.53
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	8	0.53
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	12	0.53
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	7	0.53
(1,4419)	1:356:A:TYR:H	1:366:A:THR:H	12	0.53
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	11	0.53
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	13	0.53
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	15	0.53
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	4	0.53
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	3	0.53
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	3	0.53
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	3	0.53
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	1	0.53
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	7	0.53
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	9	0.53
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	18	0.53
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	20	0.53
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	6	0.53
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	18	0.53
(1,4249)	1:363:A:ALA:H	1:364:A:LEU:H	6	0.53
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	1	0.53
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	1	0.53
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	3	0.53
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	13	0.53
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	5	0.53
(1,4097)	1:425:A:TRP:HE1	1:423:A:SER:HB3	15	0.53
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	5	0.53
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	6	0.53
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	18	0.53
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	8	0.53
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	8	0.53
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	8	0.53
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	10	0.53
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	15	0.53
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	17	0.53
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	13	0.53
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	17	0.53
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	18	0.53
(1,4016)	1:359:A:ASP:H	1:358:A:LYS:HA	8	0.53
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	11	0.53
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	12	0.53
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	14	0.53
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	18	0.53
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	1	0.53
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	2	0.53
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	3	0.53
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	4	0.53
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	10	0.53
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	11	0.53
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	13	0.53
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	14	0.53
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	17	0.53
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	18	0.53
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	20	0.53
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	11	0.53
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	2	0.53
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	5	0.53
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	8	0.53
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	10	0.53
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	9	0.53
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	20	0.53
(1,3856)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	20	0.53
(1,3856)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	20	0.53
(1,3832)	1:357:A:TYR:HE1	1:357:A:TYR:HB3	18	0.53
(1,3832)	1:357:A:TYR:HE2	1:357:A:TYR:HB3	18	0.53
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	17	0.53
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	17	0.53
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	17	0.53
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	17	0.53
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	17	0.53
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	17	0.53
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	10	0.53
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	10	0.53
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	10	0.53
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	10	0.53
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	10	0.53
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	10	0.53
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	15	0.53
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	15	0.53
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	15	0.53
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	15	0.53
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	15	0.53
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	15	0.53
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	2	0.53
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	2	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	2	0.53
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	12	0.53
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	17	0.53
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	4	0.53
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	4	0.53
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	5	0.53
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	5	0.53
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	11	0.53
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	11	0.53
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	3	0.53
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	3	0.53
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	3	0.53
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	16	0.53
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	16	0.53
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	16	0.53
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	20	0.53
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	20	0.53
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	20	0.53
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	18	0.53
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	18	0.53
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	18	0.53
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	18	0.53
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	18	0.53
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	18	0.53
(1,3581)	1:382:A:PHE:HE1	1:414:A:ASP:HB2	11	0.53
(1,3581)	1:382:A:PHE:HE2	1:414:A:ASP:HB2	11	0.53
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	1	0.53
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	16	0.53
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	2	0.53
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	2	0.53
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	9	0.53
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	9	0.53
(1,3543)	1:356:A:TYR:HE1	1:356:A:TYR:HA	12	0.53
(1,3543)	1:356:A:TYR:HE2	1:356:A:TYR:HA	12	0.53
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	2	0.53
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	3	0.53
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	4	0.53
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	7	0.53
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	11	0.53
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	13	0.53
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	17	0.53
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	18	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	19	0.53
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	10	0.53
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	10	0.53
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	10	0.53
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	2	0.53
(1,3460)	1:394:A:LYS:HE3	1:394:A:LYS:HB2	15	0.53
(1,3452)	1:361:A:LYS:HG3	1:361:A:LYS:HE2	19	0.53
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	1	0.53
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	3	0.53
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	5	0.53
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	16	0.53
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	19	0.53
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	12	0.53
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG11	10	0.53
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG12	10	0.53
(1,3362)	1:421:A:HIS:HB2	1:407:A:VAL:HG13	10	0.53
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	12	0.53
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	12	0.53
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	12	0.53
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	12	0.53
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	12	0.53
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	12	0.53
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	10	0.53
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	10	0.53
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	10	0.53
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	1	0.53
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	2	0.53
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	12	0.53
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	19	0.53
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	2	0.53
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	6	0.53
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	8	0.53
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	9	0.53
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	11	0.53
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	18	0.53
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	20	0.53
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	20	0.53
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	12	0.53
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	11	0.53
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	18	0.53
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	2	0.53
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	3	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	4	0.53
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	7	0.53
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	11	0.53
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	13	0.53
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	17	0.53
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	18	0.53
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	19	0.53
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	1	0.53
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	3	0.53
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	5	0.53
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	7	0.53
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	8	0.53
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	10	0.53
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	13	0.53
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	19	0.53
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	3	0.53
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	3	0.53
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	3	0.53
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	10	0.53
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	10	0.53
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	10	0.53
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	3	0.53
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	6	0.53
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	8	0.53
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	9	0.53
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	10	0.53
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	13	0.53
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	14	0.53
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	17	0.53
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	18	0.53
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	20	0.53
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	13	0.53
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	2	0.53
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	12	0.53
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	12	0.53
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	12	0.53
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	12	0.53
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	12	0.53
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	12	0.53
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	12	0.53
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	12	0.53
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	12	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	19	0.53
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	19	0.53
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	19	0.53
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	19	0.53
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	19	0.53
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	19	0.53
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	19	0.53
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	19	0.53
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	19	0.53
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	13	0.53
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	20	0.53
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	12	0.53
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	15	0.53
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	18	0.53
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	19	0.53
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	14	0.53
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	19	0.53
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	3	0.53
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	7	0.53
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	14	0.53
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	17	0.53
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	2	0.53
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	2	0.53
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	2	0.53
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	3	0.53
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	3	0.53
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	3	0.53
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	7	0.53
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	7	0.53
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	7	0.53
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	11	0.53
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	11	0.53
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	11	0.53
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	13	0.53
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	13	0.53
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	13	0.53
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	14	0.53
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	14	0.53
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	14	0.53
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	19	0.53
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	19	0.53
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	20	0.53
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	20	0.53
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	20	0.53
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	5	0.53
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	19	0.53
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	4	0.53
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	8	0.53
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	14	0.53
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	4	0.53
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	7	0.53
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	9	0.53
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	11	0.53
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	10	0.53
(1,2556)	1:389:A:GLU:HB3	1:389:A:GLU:HA	13	0.53
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	6	0.53
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	1	0.53
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	8	0.53
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	7	0.53
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	8	0.53
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	18	0.53
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	11	0.53
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	5	0.53
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	7	0.53
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	14	0.53
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	16	0.53
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	18	0.53
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	9	0.53
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	9	0.53
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	9	0.53
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	14	0.53
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	17	0.53
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	13	0.53
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	13	0.53
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	13	0.53
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	14	0.53
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	14	0.53
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	14	0.53
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	15	0.53
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	15	0.53
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	15	0.53
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	17	0.53
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	17	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	17	0.53
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	1	0.53
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	3	0.53
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	5	0.53
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	6	0.53
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	7	0.53
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	10	0.53
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	12	0.53
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	14	0.53
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	15	0.53
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	17	0.53
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	4	0.53
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	8	0.53
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	14	0.53
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	1	0.53
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	5	0.53
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	2	0.53
(1,2222)	1:386:A:ASN:HA	1:386:A:ASN:HB2	6	0.53
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	13	0.53
(1,2191)	1:351:A:ASN:HB3	1:351:A:ASN:HA	7	0.53
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	7	0.53
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	3	0.53
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	10	0.53
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	18	0.53
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	12	0.53
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	7	0.53
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	12	0.53
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	14	0.53
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	15	0.53
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	20	0.53
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	10	0.53
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	12	0.53
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	15	0.53
(1,2056)	1:387:A:LYS:HB2	1:454:A:PHE:HE1	2	0.53
(1,2056)	1:387:A:LYS:HB2	1:454:A:PHE:HE2	2	0.53
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	5	0.53
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	8	0.53
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	3	0.53
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	7	0.53
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	9	0.53
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	14	0.53
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	20	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	1	0.53
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	1	0.53
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	1	0.53
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	3	0.53
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	7	0.53
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	14	0.53
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	7	0.53
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	12	0.53
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	14	0.53
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	17	0.53
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	1	0.53
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	2	0.53
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	9	0.53
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	10	0.53
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	11	0.53
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	18	0.53
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	20	0.53
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	3	0.53
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	1	0.53
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	4	0.53
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	5	0.53
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	8	0.53
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	9	0.53
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	10	0.53
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	12	0.53
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	13	0.53
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	17	0.53
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	18	0.53
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	1	0.53
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	5	0.53
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	12	0.53
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	14	0.53
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	18	0.53
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD11	5	0.53
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD12	5	0.53
(1,1696)	1:464:A:LEU:HA	1:464:A:LEU:HD13	5	0.53
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	9	0.53
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	2	0.53
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	16	0.53
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	3	0.53
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	3	0.53
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	3	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1516)	1:407:A:VAL:HG21	1:407:A:VAL:HA	13	0.53
(1,1516)	1:407:A:VAL:HG22	1:407:A:VAL:HA	13	0.53
(1,1516)	1:407:A:VAL:HG23	1:407:A:VAL:HA	13	0.53
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	3	0.53
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	3	0.53
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	3	0.53
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	18	0.53
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	18	0.53
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	18	0.53
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	10	0.53
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	3	0.53
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	3	0.53
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	3	0.53
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	1	0.53
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	1	0.53
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	1	0.53
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	3	0.53
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	3	0.53
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	3	0.53
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	4	0.53
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	4	0.53
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	4	0.53
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	7	0.53
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	7	0.53
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	7	0.53
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	8	0.53
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	8	0.53
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	8	0.53
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	10	0.53
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	10	0.53
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	10	0.53
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	12	0.53
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	12	0.53
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	12	0.53
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	17	0.53
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	17	0.53
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	17	0.53
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	18	0.53
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	18	0.53
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	18	0.53
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	19	0.53
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	19	0.53
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	20	0.53
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	20	0.53
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	20	0.53
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	3	0.53
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	4	0.53
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	7	0.53
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	11	0.53
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	16	0.53
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	6	0.53
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	6	0.53
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	6	0.53
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD21	15	0.53
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD22	15	0.53
(1,1337)	1:393:A:LEU:HB3	1:393:A:LEU:HD23	15	0.53
(1,1320)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	9	0.53
(1,1320)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	9	0.53
(1,1320)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	9	0.53
(1,1320)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	11	0.53
(1,1320)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	11	0.53
(1,1320)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	11	0.53
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	1	0.53
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	1	0.53
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	1	0.53
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	1	0.53
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	1	0.53
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	1	0.53
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	1	0.53
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	1	0.53
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	1	0.53
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	2	0.53
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	2	0.53
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	2	0.53
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	2	0.53
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	2	0.53
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	2	0.53
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	2	0.53
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	2	0.53
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	2	0.53
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	8	0.53
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	8	0.53
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	2	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	2	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	2	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	5	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	5	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	5	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	8	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	8	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	8	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	9	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	9	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	9	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	11	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	11	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	11	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	12	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	12	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	12	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	16	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	16	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	16	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	18	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	18	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	18	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	19	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	19	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	19	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	20	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	20	0.53
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	20	0.53
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	8	0.53
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	8	0.53
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	8	0.53
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	8	0.53
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	8	0.53
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	8	0.53
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	5	0.53
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	6	0.53
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	13	0.53
(1,1113)	1:445:A:THR:HA	1:444:A:ASN:HB2	14	0.53
(1,1113)	1:445:A:THR:HA	1:444:A:ASN:HB2	18	0.53
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	2	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	6	0.53
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	1	0.53
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	1	0.53
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	1	0.53
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG21	17	0.53
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG22	17	0.53
(1,1077)	1:418:A:VAL:HA	1:418:A:VAL:HG23	17	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	3	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	3	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	3	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	5	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	5	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	5	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	8	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	8	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	8	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	9	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	9	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	9	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	11	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	11	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	11	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	12	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	12	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	12	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	19	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	19	0.53
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	19	0.53
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	9	0.53
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	9	0.53
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	9	0.53
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	9	0.53
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	9	0.53
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	9	0.53
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	9	0.53
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	9	0.53
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	9	0.53
(1,959)	1:443:A:ILE:HD11	1:443:A:ILE:H	11	0.53
(1,959)	1:443:A:ILE:HD12	1:443:A:ILE:H	11	0.53
(1,959)	1:443:A:ILE:HD13	1:443:A:ILE:H	11	0.53
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	1	0.53
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	1	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	1	0.53
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	1	0.53
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	1	0.53
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	1	0.53
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	1	0.53
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	1	0.53
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	1	0.53
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	6	0.53
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	12	0.53
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	13	0.53
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	18	0.53
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	4	0.53
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	7	0.53
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	8	0.53
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	9	0.53
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	11	0.53
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	14	0.53
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	18	0.53
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	7	0.53
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	11	0.53
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	14	0.53
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	16	0.53
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	4	0.53
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	4	0.53
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	4	0.53
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	11	0.53
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	11	0.53
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	11	0.53
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	6	0.53
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	10	0.53
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	20	0.53
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	16	0.53
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	16	0.53
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	16	0.53
(1,726)	1:366:A:THR:HA	1:367:A:ASP:HB2	9	0.53
(1,726)	1:366:A:THR:HA	1:367:A:ASP:HB2	10	0.53
(1,726)	1:366:A:THR:HA	1:367:A:ASP:HB2	12	0.53
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	4	0.53
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	9	0.53
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	9	0.53
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	9	0.53
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	12	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	12	0.53
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	12	0.53
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	1	0.53
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	3	0.53
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	16	0.53
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	7	0.53
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	7	0.53
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	7	0.53
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	11	0.53
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	11	0.53
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	11	0.53
(1,586)	1:408:A:ASN:HB2	1:409:A:TYR:HE1	10	0.53
(1,586)	1:408:A:ASN:HB2	1:409:A:TYR:HE2	10	0.53
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	9	0.53
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	13	0.53
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	9	0.53
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	3	0.53
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	9	0.53
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	11	0.53
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	1	0.53
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	4	0.53
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	5	0.53
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	8	0.53
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	10	0.53
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	12	0.53
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	14	0.53
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	15	0.53
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	16	0.53
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	17	0.53
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	18	0.53
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	19	0.53
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	2	0.53
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	6	0.53
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	11	0.53
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	17	0.53
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	19	0.53
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	20	0.53
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	11	0.53
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	12	0.53
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	16	0.53
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	16	0.53
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	16	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	16	0.53
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	16	0.53
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	16	0.53
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	16	0.53
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	16	0.53
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	16	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	1	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	1	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	1	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	4	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	4	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	4	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	6	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	6	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	6	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	8	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	8	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	8	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	10	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	10	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	10	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	12	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	12	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	12	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	14	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	14	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	14	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	15	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	15	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	15	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	18	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	18	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	18	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	19	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	19	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	19	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	20	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	20	0.53
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	20	0.53
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	8	0.52
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	12	0.52
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	14	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	17	0.52
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	3	0.52
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	20	0.52
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	9	0.52
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	5	0.52
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	5	0.52
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	11	0.52
(1,4915)	1:437:A:ARG:H	1:437:A:ARG:HB2	13	0.52
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	8	0.52
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	3	0.52
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	2	0.52
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	18	0.52
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	19	0.52
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	6	0.52
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	13	0.52
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	18	0.52
(1,4781)	1:452:A:GLU:H	1:452:A:GLU:HG2	20	0.52
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	6	0.52
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	20	0.52
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	10	0.52
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	12	0.52
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	14	0.52
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	17	0.52
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	5	0.52
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	10	0.52
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	16	0.52
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	14	0.52
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	3	0.52
(1,4567)	1:460:A:GLY:H	1:460:A:GLY:HA2	6	0.52
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	1	0.52
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	4	0.52
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	16	0.52
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	1	0.52
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	3	0.52
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	4	0.52
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	8	0.52
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	10	0.52
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	14	0.52
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	17	0.52
(1,4537)	1:408:A:ASN:HD21	1:408:A:ASN:HB3	3	0.52
(1,4537)	1:408:A:ASN:HD21	1:408:A:ASN:HB3	10	0.52
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	10	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	10	0.52
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	10	0.52
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	13	0.52
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	13	0.52
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	13	0.52
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	15	0.52
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	15	0.52
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	15	0.52
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	12	0.52
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	15	0.52
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	5	0.52
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	7	0.52
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	11	0.52
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	17	0.52
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	20	0.52
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	14	0.52
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	14	0.52
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	14	0.52
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	14	0.52
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	16	0.52
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	18	0.52
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	19	0.52
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	10	0.52
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	10	0.52
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	12	0.52
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	14	0.52
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	17	0.52
(1,4205)	1:444:A:ASN:H	1:444:A:ASN:HB2	6	0.52
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	1	0.52
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	8	0.52
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	9	0.52
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	8	0.52
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	4	0.52
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	5	0.52
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	8	0.52
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	13	0.52
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	16	0.52
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	11	0.52
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	11	0.52
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	11	0.52
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	20	0.52
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	20	0.52
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	4	0.52
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	9	0.52
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	12	0.52
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	13	0.52
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	16	0.52
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	18	0.52
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	19	0.52
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	20	0.52
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	20	0.52
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	9	0.52
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	12	0.52
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	2	0.52
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	9	0.52
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	10	0.52
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	7	0.52
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	12	0.52
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	15	0.52
(1,3970)	1:355:A:TRP:H	1:354:A:MET:HA	16	0.52
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	13	0.52
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	15	0.52
(1,3877)	1:410:A:TRP:HZ3	1:410:A:TRP:HB2	13	0.52
(1,3846)	1:355:A:TRP:HH2	1:351:A:ASN:HB3	5	0.52
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG21	12	0.52
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG22	12	0.52
(1,3809)	1:344:A:TYR:HD1	1:343:A:THR:HG23	12	0.52
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG21	12	0.52
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG22	12	0.52
(1,3809)	1:344:A:TYR:HD2	1:343:A:THR:HG23	12	0.52
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	7	0.52
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	8	0.52
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	8	0.52
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	14	0.52
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	14	0.52
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	14	0.52
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	14	0.52
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	14	0.52
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	14	0.52
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	18	0.52
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	18	0.52
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	18	0.52
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	18	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	18	0.52
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	18	0.52
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	9	0.52
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	9	0.52
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	9	0.52
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	9	0.52
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	9	0.52
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	9	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	1	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	1	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	1	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	1	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	2	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	2	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	2	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	2	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	3	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	3	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	3	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	3	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	4	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	4	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	4	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	4	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	5	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	5	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	5	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	5	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	7	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	7	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	7	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	7	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	8	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	8	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	8	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	8	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	9	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	9	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	9	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	9	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	10	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	10	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	10	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	10	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	11	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	11	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	11	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	11	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	12	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	12	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	12	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	12	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	13	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	13	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	13	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	13	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	14	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	14	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	14	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	14	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	15	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	15	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	15	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	15	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	16	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	16	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	16	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	16	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	17	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	17	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	17	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	17	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	18	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	18	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	18	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	18	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	19	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	19	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	19	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	19	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	20	0.52
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	20	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	20	0.52
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	1	0.52
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	20	0.52
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	20	0.52
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	12	0.52
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	12	0.52
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	14	0.52
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	14	0.52
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	14	0.52
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	1	0.52
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	8	0.52
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	9	0.52
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	14	0.52
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	20	0.52
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	15	0.52
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	15	0.52
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	15	0.52
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	19	0.52
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	19	0.52
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	19	0.52
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	14	0.52
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	14	0.52
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	14	0.52
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	19	0.52
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	3	0.52
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	5	0.52
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	9	0.52
(1,3436)	1:410:A:TRP:HB2	1:410:A:TRP:H	11	0.52
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	20	0.52
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	20	0.52
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	2	0.52
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	2	0.52
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	2	0.52
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	4	0.52
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	19	0.52
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	3	0.52
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	10	0.52
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	16	0.52
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	1	0.52
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	4	0.52
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	7	0.52
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	12	0.52
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	14	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	2	0.52
(1,3235)	1:426:A:GLN:HA	1:427:A:PRO:HD3	19	0.52
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	18	0.52
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	8	0.52
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	1	0.52
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	8	0.52
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	9	0.52
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	14	0.52
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	20	0.52
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	1	0.52
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	2	0.52
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	4	0.52
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	6	0.52
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	11	0.52
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	12	0.52
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	14	0.52
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	15	0.52
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	16	0.52
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	17	0.52
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	18	0.52
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	20	0.52
(1,3047)	1:354:A:MET:HE1	1:354:A:MET:HG2	19	0.52
(1,3047)	1:354:A:MET:HE2	1:354:A:MET:HG2	19	0.52
(1,3047)	1:354:A:MET:HE3	1:354:A:MET:HG2	19	0.52
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	1	0.52
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	2	0.52
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	7	0.52
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	12	0.52
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	15	0.52
(1,3012)	1:420:A:ILE:HG12	1:420:A:ILE:HB	19	0.52
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	11	0.52
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	18	0.52
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	19	0.52
(1,2936)	1:358:A:LYS:HB2	1:358:A:LYS:HA	3	0.52
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	1	0.52
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	3	0.52
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	17	0.52
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	18	0.52
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	6	0.52
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	13	0.52
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	20	0.52
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	5	0.52
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	15	0.52
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	17	0.52
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	18	0.52
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	20	0.52
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	12	0.52
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	12	0.52
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	12	0.52
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	12	0.52
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	12	0.52
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	12	0.52
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	12	0.52
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	13	0.52
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	13	0.52
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	13	0.52
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	13	0.52
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	13	0.52
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	13	0.52
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	1	0.52
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	13	0.52
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	6	0.52
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	6	0.52
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	6	0.52
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	10	0.52
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	10	0.52
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	10	0.52
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	12	0.52
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	12	0.52
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	12	0.52
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	15	0.52
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	15	0.52
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	15	0.52
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	17	0.52
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	17	0.52
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	17	0.52
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	1	0.52
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	3	0.52
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	13	0.52
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	16	0.52
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	1	0.52
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	2	0.52
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	8	0.52
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	12	0.52
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG11	16	0.52
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG12	16	0.52
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG13	16	0.52
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG11	16	0.52
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG12	16	0.52
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG13	16	0.52
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG11	16	0.52
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG12	16	0.52
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG13	16	0.52
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	5	0.52
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	14	0.52
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	1	0.52
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	3	0.52
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	9	0.52
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	11	0.52
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	13	0.52
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	14	0.52
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	11	0.52
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	13	0.52
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	15	0.52
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	8	0.52
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	8	0.52
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	8	0.52
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	19	0.52
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	19	0.52
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	19	0.52
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	20	0.52
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	20	0.52
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	20	0.52
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	3	0.52
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	8	0.52
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	12	0.52
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	18	0.52
(1,2419)	1:387:A:LYS:HG3	1:387:A:LYS:H	18	0.52
(1,2314)	1:405:A:SER:HB2	1:405:A:SER:H	5	0.52
(1,2302)	1:368:A:ILE:HG21	1:368:A:ILE:HA	3	0.52
(1,2302)	1:368:A:ILE:HG22	1:368:A:ILE:HA	3	0.52
(1,2302)	1:368:A:ILE:HG23	1:368:A:ILE:HA	3	0.52
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	2	0.52
(1,2299)	1:432:A:ASP:HB3	1:432:A:ASP:HA	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	1	0.52
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	3	0.52
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	13	0.52
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	16	0.52
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	4	0.52
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	12	0.52
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	16	0.52
(1,2201)	1:422:A:ASP:HA	1:422:A:ASP:HB2	10	0.52
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	4	0.52
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	11	0.52
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	17	0.52
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	6	0.52
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	1	0.52
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	2	0.52
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	4	0.52
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	8	0.52
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	12	0.52
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	15	0.52
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	17	0.52
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	18	0.52
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	19	0.52
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	2	0.52
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	5	0.52
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	8	0.52
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	10	0.52
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	11	0.52
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	13	0.52
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	17	0.52
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	20	0.52
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	1	0.52
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	2	0.52
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	10	0.52
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	11	0.52
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	13	0.52
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	16	0.52
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	19	0.52
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	3	0.52
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	6	0.52
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	7	0.52
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	13	0.52
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	14	0.52
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	10	0.52
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	17	0.52
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	2	0.52
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	12	0.52
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	20	0.52
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	6	0.52
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	11	0.52
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	14	0.52
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	15	0.52
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	18	0.52
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	20	0.52
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	1	0.52
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	4	0.52
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	8	0.52
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	9	0.52
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	10	0.52
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	11	0.52
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	13	0.52
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	15	0.52
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	16	0.52
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	17	0.52
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	19	0.52
(1,1714)	1:456:A:MET:HB3	1:456:A:MET:HG2	20	0.52
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	15	0.52
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	3	0.52
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	17	0.52
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	16	0.52
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	16	0.52
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	16	0.52
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	19	0.52
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	19	0.52
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	19	0.52
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	20	0.52
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	20	0.52
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	20	0.52
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	12	0.52
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	3	0.52
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	4	0.52
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	5	0.52
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	12	0.52
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	13	0.52
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	17	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1467)	1:372:A:LYS:HB3	1:372:A:LYS:HD3	18	0.52
(1,1463)	1:451:A:LYS:HG3	1:451:A:LYS:HE2	8	0.52
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	2	0.52
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	2	0.52
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	2	0.52
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	5	0.52
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	5	0.52
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	5	0.52
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	6	0.52
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	6	0.52
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	6	0.52
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	13	0.52
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	13	0.52
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	13	0.52
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	14	0.52
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	14	0.52
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	14	0.52
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	16	0.52
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	16	0.52
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	16	0.52
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	10	0.52
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	12	0.52
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	19	0.52
(1,1301)	1:402:A:PRO:HB3	1:402:A:PRO:HD3	17	0.52
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	7	0.52
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	7	0.52
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	7	0.52
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	9	0.52
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	9	0.52
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	9	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	1	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	1	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	1	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	3	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	3	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	3	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	4	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	4	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	4	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	6	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	6	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	6	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	7	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	7	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	7	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	10	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	10	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	10	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	13	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	13	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	13	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	14	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	14	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	14	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	15	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	15	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	15	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB1	17	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB2	17	0.52
(1,1249)	1:379:A:ALA:HA	1:379:A:ALA:HB3	17	0.52
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	7	0.52
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	10	0.52
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	10	0.52
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	10	0.52
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	10	0.52
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	10	0.52
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	10	0.52
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	12	0.52
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	12	0.52
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	12	0.52
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	12	0.52
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	12	0.52
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	12	0.52
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	8	0.52
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	17	0.52
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	19	0.52
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	9	0.52
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	19	0.52
(1,1109)	1:372:A:LYS:HA	1:372:A:LYS:HB3	11	0.52
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	16	0.52
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	20	0.52
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	5	0.52
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	1	0.52
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	1	0.52
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	4	0.52
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	4	0.52
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	4	0.52
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	16	0.52
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	16	0.52
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	16	0.52
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	9	0.52
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	9	0.52
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	9	0.52
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	13	0.52
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	13	0.52
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	13	0.52
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	13	0.52
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	13	0.52
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	13	0.52
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	13	0.52
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	13	0.52
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	13	0.52
(1,942)	1:405:A:SER:HB3	1:405:A:SER:H	8	0.52
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	6	0.52
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	6	0.52
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	6	0.52
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	6	0.52
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	6	0.52
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	6	0.52
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	6	0.52
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	6	0.52
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	6	0.52
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	15	0.52
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	15	0.52
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	15	0.52
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	15	0.52
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	15	0.52
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	15	0.52
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	15	0.52
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	15	0.52
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	15	0.52
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	10	0.52
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	14	0.52
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	2	0.52
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	5	0.52
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	6	0.52
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	10	0.52
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	12	0.52
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	13	0.52
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	15	0.52
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	16	0.52
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	17	0.52
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	19	0.52
(1,860)	1:462:A:PRO:HG2	1:462:A:PRO:HD2	20	0.52
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	2	0.52
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	8	0.52
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	18	0.52
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	1	0.52
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	4	0.52
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	9	0.52
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	3	0.52
(1,726)	1:366:A:THR:HA	1:367:A:ASP:HB2	3	0.52
(1,726)	1:366:A:THR:HA	1:367:A:ASP:HB2	17	0.52
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	2	0.52
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	3	0.52
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	5	0.52
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	6	0.52
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	9	0.52
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	13	0.52
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	14	0.52
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	15	0.52
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	17	0.52
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	18	0.52
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	19	0.52
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	20	0.52
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	8	0.52
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	8	0.52
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	10	0.52
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	10	0.52
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	16	0.52
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	1	0.52
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	1	0.52
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	1	0.52
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	11	0.52
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	11	0.52
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	14	0.52
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	14	0.52
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	14	0.52
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	15	0.52
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	15	0.52
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	15	0.52
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	20	0.52
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	20	0.52
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	20	0.52
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	1	0.52
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	10	0.52
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	20	0.52
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	1	0.52
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	1	0.52
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	1	0.52
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	5	0.52
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	5	0.52
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	5	0.52
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	8	0.52
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	8	0.52
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	8	0.52
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	13	0.52
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	13	0.52
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	13	0.52
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	18	0.52
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	18	0.52
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	18	0.52
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	20	0.52
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	20	0.52
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	20	0.52
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	6	0.52
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	17	0.52
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	18	0.52
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	15	0.52
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	19	0.52
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	2	0.52
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	3	0.52
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	6	0.52
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	7	0.52
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	13	0.52
(1,381)	1:438:A:GLY:HA3	1:438:A:GLY:H	20	0.52
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	10	0.52
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	17	0.52
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	3	0.52
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	4	0.52
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	5	0.52
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	7	0.52
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	12	0.52
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	14	0.52
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	15	0.52
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	16	0.52
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	9	0.52
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	15	0.52
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	17	0.52
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	20	0.52
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	3	0.52
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	3	0.52
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	3	0.52
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	7	0.52
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	7	0.52
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	7	0.52
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	13	0.52
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	13	0.52
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	13	0.52
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	17	0.52
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	17	0.52
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	17	0.52
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	1	0.51
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	5	0.51
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	13	0.51
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	4	0.51
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	16	0.51
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	2	0.51
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	18	0.51
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	10	0.51
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	7	0.51
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	7	0.51
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	11	0.51
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	18	0.51
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	15	0.51
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	20	0.51
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	3	0.51
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	11	0.51
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	13	0.51
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	17	0.51
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	18	0.51
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	5	0.51
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	2	0.51
(1,4725)	1:395:A:GLY:H	1:402:A:PRO:HB3	11	0.51
(1,4725)	1:395:A:GLY:H	1:402:A:PRO:HB3	19	0.51
(1,4702)	1:414:A:ASP:H	1:414:A:ASP:HB2	7	0.51
(1,4702)	1:414:A:ASP:H	1:414:A:ASP:HB2	15	0.51
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	1	0.51
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	4	0.51
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	20	0.51
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	20	0.51
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	3	0.51
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	13	0.51
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	19	0.51
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	5	0.51
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	11	0.51
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	17	0.51
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	7	0.51
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	16	0.51
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	20	0.51
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	16	0.51
(1,4537)	1:408:A:ASN:HD21	1:408:A:ASN:HB3	13	0.51
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	2	0.51
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	6	0.51
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	7	0.51
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	19	0.51
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	4	0.51
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	1	0.51
(1,4453)	1:425:A:TRP:H	1:424:A:ASP:H	19	0.51
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	10	0.51
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	6	0.51
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	16	0.51
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	17	0.51
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	3	0.51
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	5	0.51
(1,4385)	1:408:A:ASN:HD21	1:408:A:ASN:H	3	0.51
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	16	0.51
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	16	0.51
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	16	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	2	0.51
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	15	0.51
(1,4282)	1:422:A:ASP:H	1:421:A:HIS:HB2	19	0.51
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	18	0.51
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	2	0.51
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	4	0.51
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	7	0.51
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	18	0.51
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	19	0.51
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	20	0.51
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	9	0.51
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	10	0.51
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	17	0.51
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	18	0.51
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	2	0.51
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	13	0.51
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	11	0.51
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	1	0.51
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	3	0.51
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	11	0.51
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	17	0.51
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	19	0.51
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	19	0.51
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	19	0.51
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	1	0.51
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	5	0.51
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	8	0.51
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	14	0.51
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	9	0.51
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	1	0.51
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	1	0.51
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	3	0.51
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	6	0.51
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	7	0.51
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	15	0.51
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	17	0.51
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	10	0.51
(1,3976)	1:408:A:ASN:H	1:408:A:ASN:HD21	3	0.51
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	16	0.51
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	1	0.51
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	5	0.51
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	6	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	20	0.51
(1,3797)	1:357:A:TYR:HE1	1:356:A:TYR:HA	4	0.51
(1,3797)	1:357:A:TYR:HE2	1:356:A:TYR:HA	4	0.51
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	1	0.51
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	1	0.51
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	1	0.51
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	1	0.51
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	1	0.51
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	1	0.51
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	6	0.51
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	6	0.51
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	6	0.51
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	6	0.51
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	6	0.51
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	6	0.51
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	20	0.51
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	20	0.51
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	20	0.51
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	20	0.51
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	20	0.51
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	20	0.51
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	17	0.51
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	17	0.51
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	17	0.51
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	20	0.51
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	20	0.51
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	20	0.51
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD1	6	0.51
(1,3741)	1:454:A:PHE:HE1	1:454:A:PHE:HD2	6	0.51
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD1	6	0.51
(1,3741)	1:454:A:PHE:HE2	1:454:A:PHE:HD2	6	0.51
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	18	0.51
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	7	0.51
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	18	0.51
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	9	0.51
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	9	0.51
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	9	0.51
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	9	0.51
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	9	0.51
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	1	0.51
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	1	0.51
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	4	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	4	0.51
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	6	0.51
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	6	0.51
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	7	0.51
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	7	0.51
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	8	0.51
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	8	0.51
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	9	0.51
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	9	0.51
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	10	0.51
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	10	0.51
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	12	0.51
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	12	0.51
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	13	0.51
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	13	0.51
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	14	0.51
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	14	0.51
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	15	0.51
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	15	0.51
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	16	0.51
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	16	0.51
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	17	0.51
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	17	0.51
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	18	0.51
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	18	0.51
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	19	0.51
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	19	0.51
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	20	0.51
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	20	0.51
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	6	0.51
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	6	0.51
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	6	0.51
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	6	0.51
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	6	0.51
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	6	0.51
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	8	0.51
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	8	0.51
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	8	0.51
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	8	0.51
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	8	0.51
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	8	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	1	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	4	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	4	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	6	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	6	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	7	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	7	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	8	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	8	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	9	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	9	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	10	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	10	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	12	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	12	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	13	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	13	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	14	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	14	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	15	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	15	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	16	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	16	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	17	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	17	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	18	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	18	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	19	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	19	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	20	0.51
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	20	0.51
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	16	0.51
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	16	0.51
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	16	0.51
(1,3506)	1:393:A:LEU:HB3	1:393:A:LEU:HG	16	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	1	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	1	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	1	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	3	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	3	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	3	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	6	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	6	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	6	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	7	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	7	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	7	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	12	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	12	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	12	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	18	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	18	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	18	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	20	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	20	0.51
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	20	0.51
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	18	0.51
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	18	0.51
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	18	0.51
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	20	0.51
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	20	0.51
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	20	0.51
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	9	0.51
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	10	0.51
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	11	0.51
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	14	0.51
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	6	0.51
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	9	0.51
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	6	0.51
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	19	0.51
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	19	0.51
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	19	0.51
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	4	0.51
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	8	0.51
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	11	0.51
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	13	0.51
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	14	0.51
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	17	0.51
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	1	0.51
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	7	0.51
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	8	0.51
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	10	0.51
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	15	0.51
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	18	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	20	0.51
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	7	0.51
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	3	0.51
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	5	0.51
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	15	0.51
(1,3142)	1:393:A:LEU:HG	1:393:A:LEU:HB3	16	0.51
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	2	0.51
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	3	0.51
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	8	0.51
(1,3113)	1:422:A:ASP:HA	1:422:A:ASP:H	9	0.51
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	12	0.51
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	16	0.51
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	17	0.51
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	9	0.51
(1,2834)	1:346:A:GLU:HA	1:346:A:GLU:HG3	17	0.51
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	9	0.51
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	16	0.51
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	11	0.51
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	18	0.51
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	4	0.51
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	5	0.51
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	5	0.51
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	5	0.51
(1,2631)	1:407:A:VAL:HG11	1:407:A:VAL:HB	16	0.51
(1,2631)	1:407:A:VAL:HG12	1:407:A:VAL:HB	16	0.51
(1,2631)	1:407:A:VAL:HG13	1:407:A:VAL:HB	16	0.51
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	1	0.51
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	4	0.51
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	13	0.51
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	15	0.51
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	16	0.51
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	18	0.51
(1,2526)	1:352:A:GLN:HB2	1:352:A:GLN:HG2	20	0.51
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	1	0.51
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	15	0.51
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	2	0.51
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	13	0.51
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	19	0.51
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	20	0.51
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	5	0.51
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	15	0.51
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	17	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	20	0.51
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	10	0.51
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	13	0.51
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	13	0.51
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	13	0.51
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	18	0.51
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	18	0.51
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	18	0.51
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	7	0.51
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	10	0.51
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	13	0.51
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	19	0.51
(1,2419)	1:387:A:LYS:HG3	1:387:A:LYS:H	12	0.51
(1,2314)	1:405:A:SER:HB2	1:405:A:SER:H	6	0.51
(1,2314)	1:405:A:SER:HB2	1:405:A:SER:H	15	0.51
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	12	0.51
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	17	0.51
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	17	0.51
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	17	0.51
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	9	0.51
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	11	0.51
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	8	0.51
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	10	0.51
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	16	0.51
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	4	0.51
(1,2152)	1:399:A:ASP:HB3	1:399:A:ASP:H	3	0.51
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	8	0.51
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	6	0.51
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	8	0.51
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	9	0.51
(1,2107)	1:393:A:LEU:HA	1:393:A:LEU:HG	5	0.51
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	4	0.51
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	7	0.51
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	16	0.51
(1,2001)	1:404:A:GLU:HB2	1:405:A:SER:HA	1	0.51
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	6	0.51
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	11	0.51
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	13	0.51
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	16	0.51
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	3	0.51
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	3	0.51
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	3	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	7	0.51
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	7	0.51
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	7	0.51
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	11	0.51
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	11	0.51
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	11	0.51
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	15	0.51
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	15	0.51
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	15	0.51
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	4	0.51
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	9	0.51
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	18	0.51
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	19	0.51
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	20	0.51
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	1	0.51
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	2	0.51
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	8	0.51
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	9	0.51
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	13	0.51
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	18	0.51
(1,1858)	1:349:A:LEU:HB2	1:349:A:LEU:HG	18	0.51
(1,1834)	1:402:A:PRO:HB2	1:401:A:THR:HA	4	0.51
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	5	0.51
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	2	0.51
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	4	0.51
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	5	0.51
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	6	0.51
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	7	0.51
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	8	0.51
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	11	0.51
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	12	0.51
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	13	0.51
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	14	0.51
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	15	0.51
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	18	0.51
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	19	0.51
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	5	0.51
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	13	0.51
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	15	0.51
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	2	0.51
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	3	0.51
(1,1729)	1:453:A:LEU:HB3	1:453:A:LEU:H	7	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	14	0.51
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	3	0.51
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	4	0.51
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	8	0.51
(1,1571)	1:389:A:GLU:HB2	1:389:A:GLU:H	5	0.51
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	2	0.51
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	7	0.51
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	9	0.51
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	10	0.51
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	2	0.51
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	5	0.51
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	14	0.51
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	15	0.51
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	10	0.51
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD21	19	0.51
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD22	19	0.51
(1,1506)	1:433:A:LEU:HA	1:433:A:LEU:HD23	19	0.51
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	2	0.51
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	6	0.51
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	7	0.51
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	8	0.51
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	9	0.51
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	11	0.51
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	14	0.51
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	15	0.51
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	18	0.51
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	19	0.51
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	20	0.51
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	2	0.51
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	2	0.51
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	2	0.51
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	17	0.51
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	17	0.51
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	17	0.51
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	18	0.51
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	18	0.51
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	18	0.51
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	19	0.51
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	19	0.51
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	19	0.51
(1,1412)	1:404:A:GLU:HA	1:405:A:SER:HB3	15	0.51
(1,1378)	1:349:A:LEU:HD21	1:349:A:LEU:HB2	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1378)	1:349:A:LEU:HD22	1:349:A:LEU:HB2	9	0.51
(1,1378)	1:349:A:LEU:HD23	1:349:A:LEU:HB2	9	0.51
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	15	0.51
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	18	0.51
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	14	0.51
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	18	0.51
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	18	0.51
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	18	0.51
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	18	0.51
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	18	0.51
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	18	0.51
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	18	0.51
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	18	0.51
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	18	0.51
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	10	0.51
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	13	0.51
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	13	0.51
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	13	0.51
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	13	0.51
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	13	0.51
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	13	0.51
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	15	0.51
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	15	0.51
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	15	0.51
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	15	0.51
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	15	0.51
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	15	0.51
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	17	0.51
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	17	0.51
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	17	0.51
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	17	0.51
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	17	0.51
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	17	0.51
(1,1113)	1:445:A:THR:HA	1:444:A:ASN:HB2	20	0.51
(1,1091)	1:362:A:VAL:HG21	1:355:A:TRP:HD1	9	0.51
(1,1091)	1:362:A:VAL:HG22	1:355:A:TRP:HD1	9	0.51
(1,1091)	1:362:A:VAL:HG23	1:355:A:TRP:HD1	9	0.51
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	13	0.51
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	15	0.51
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE1	17	0.51
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE2	17	0.51
(1,1039)	1:340:A:MET:HA	1:340:A:MET:HE3	17	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	15	0.51
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	15	0.51
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	15	0.51
(1,942)	1:405:A:SER:HB3	1:405:A:SER:H	1	0.51
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	10	0.51
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	15	0.51
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	19	0.51
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	20	0.51
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	2	0.51
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	2	0.51
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	2	0.51
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	2	0.51
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	2	0.51
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	2	0.51
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	2	0.51
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	2	0.51
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	2	0.51
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	3	0.51
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	3	0.51
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	3	0.51
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	3	0.51
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	3	0.51
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	3	0.51
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	3	0.51
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	3	0.51
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	3	0.51
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	7	0.51
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	7	0.51
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	7	0.51
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	7	0.51
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	7	0.51
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	7	0.51
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	7	0.51
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	7	0.51
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	7	0.51
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	16	0.51
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	16	0.51
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	16	0.51
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	16	0.51
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	16	0.51
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	16	0.51
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	16	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	16	0.51
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	16	0.51
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	19	0.51
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	19	0.51
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	19	0.51
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	19	0.51
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	19	0.51
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	19	0.51
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	19	0.51
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	19	0.51
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	19	0.51
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	15	0.51
(1,890)	1:372:A:LYS:HG2	1:372:A:LYS:HE3	20	0.51
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	6	0.51
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	1	0.51
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	4	0.51
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	11	0.51
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	17	0.51
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	19	0.51
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	15	0.51
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	13	0.51
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	19	0.51
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	4	0.51
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	8	0.51
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	10	0.51
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	3	0.51
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	3	0.51
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	7	0.51
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	7	0.51
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	10	0.51
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	2	0.51
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	2	0.51
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	6	0.51
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	6	0.51
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	8	0.51
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	8	0.51
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	8	0.51
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	16	0.51
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	16	0.51
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	16	0.51
(1,671)	1:399:A:ASP:HB3	1:400:A:GLY:HA3	4	0.51
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	19	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	7	0.51
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	11	0.51
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	4	0.51
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	4	0.51
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	4	0.51
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	10	0.51
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	10	0.51
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	10	0.51
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	14	0.51
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	14	0.51
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	14	0.51
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	16	0.51
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	16	0.51
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	16	0.51
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	17	0.51
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	17	0.51
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	17	0.51
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	19	0.51
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	19	0.51
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	19	0.51
(1,561)	1:372:A:LYS:HG2	1:372:A:LYS:HA	11	0.51
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	4	0.51
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	9	0.51
(1,403)	1:451:A:LYS:HA	1:450:A:MET:HB2	19	0.51
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	4	0.51
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	7	0.51
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	8	0.51
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	12	0.51
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	13	0.51
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	15	0.51
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	16	0.51
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	17	0.51
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	7	0.51
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	2	0.51
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	4	0.51
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	5	0.51
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	6	0.51
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	7	0.51
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	8	0.51
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	11	0.51
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	12	0.51
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	13	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	14	0.51
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	15	0.51
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	18	0.51
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	19	0.51
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	15	0.51
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	15	0.51
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	15	0.51
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	20	0.51
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	20	0.51
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	20	0.51
(1,318)	1:407:A:VAL:HA	1:408:A:ASN:HB3	19	0.51
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	13	0.51
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	6	0.51
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	14	0.51
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	18	0.51
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	20	0.51
(1,251)	1:361:A:LYS:HD3	1:361:A:LYS:H	15	0.51
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	20	0.51
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	4	0.5
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	16	0.5
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	20	0.5
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	20	0.5
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	5	0.5
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	12	0.5
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	18	0.5
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	1	0.5
(1,4940)	1:401:A:THR:H	1:397:A:ASN:H	17	0.5
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	9	0.5
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	9	0.5
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	13	0.5
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD1	15	0.5
(1,4872)	1:382:A:PHE:H	1:382:A:PHE:HD2	15	0.5
(1,4824)	1:426:A:GLN:HE22	1:428:A:GLU:HB3	9	0.5
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	18	0.5
(1,4760)	1:437:A:ARG:H	1:436:A:THR:H	3	0.5
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	1	0.5
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	1	0.5
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	10	0.5
(1,4702)	1:414:A:ASP:H	1:414:A:ASP:HB2	6	0.5
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	8	0.5
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	8	0.5
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	12	0.5
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	16	0.5
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	13	0.5
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	15	0.5
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	7	0.5
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	4	0.5
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	4	0.5
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	4	0.5
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	8	0.5
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	8	0.5
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	8	0.5
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	11	0.5
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	11	0.5
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	11	0.5
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	19	0.5
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	19	0.5
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	19	0.5
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	20	0.5
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	20	0.5
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	20	0.5
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	1	0.5
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	3	0.5
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	9	0.5
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	11	0.5
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	13	0.5
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	16	0.5
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	3	0.5
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	5	0.5
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	9	0.5
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	2	0.5
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	10	0.5
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	11	0.5
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	13	0.5
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	14	0.5
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	1	0.5
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	2	0.5
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	6	0.5
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	8	0.5
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	9	0.5
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	11	0.5
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	19	0.5
(1,4309)	1:436:A:THR:H	1:437:A:ARG:H	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4229)	1:434:A:TRP:H	1:435:A:LYS:H	20	0.5
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	2	0.5
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	5	0.5
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	11	0.5
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	2	0.5
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	2	0.5
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	11	0.5
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	17	0.5
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	1	0.5
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	3	0.5
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	7	0.5
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	13	0.5
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	6	0.5
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	20	0.5
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	3	0.5
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	6	0.5
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	19	0.5
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	2	0.5
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	6	0.5
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	9	0.5
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	14	0.5
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	15	0.5
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	19	0.5
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	4	0.5
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	4	0.5
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	4	0.5
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	3	0.5
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	7	0.5
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	11	0.5
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	1	0.5
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	14	0.5
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	16	0.5
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	15	0.5
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	6	0.5
(1,3929)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	15	0.5
(1,3856)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	4	0.5
(1,3856)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	4	0.5
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	7	0.5
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	13	0.5
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	17	0.5
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	8	0.5
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	8	0.5
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	8	0.5
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	8	0.5
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	8	0.5
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	15	0.5
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	14	0.5
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	2	0.5
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	2	0.5
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	8	0.5
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	8	0.5
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	10	0.5
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	10	0.5
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	11	0.5
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	11	0.5
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	11	0.5
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	19	0.5
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	19	0.5
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	19	0.5
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	2	0.5
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	2	0.5
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	3	0.5
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	3	0.5
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	5	0.5
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	5	0.5
(1,3625)	1:454:A:PHE:HE1	1:454:A:PHE:HZ	11	0.5
(1,3625)	1:454:A:PHE:HE2	1:454:A:PHE:HZ	11	0.5
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	20	0.5
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	20	0.5
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	20	0.5
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	20	0.5
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	20	0.5
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	20	0.5
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	2	0.5
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	2	0.5
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	3	0.5
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	3	0.5
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	5	0.5
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	5	0.5
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE1	11	0.5
(1,3564)	1:454:A:PHE:HZ	1:454:A:PHE:HE2	11	0.5
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	2	0.5
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	2	0.5
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	8	0.5
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	8	0.5
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	8	0.5
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	11	0.5
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	11	0.5
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	11	0.5
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	17	0.5
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	17	0.5
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	17	0.5
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	16	0.5
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	3	0.5
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	14	0.5
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	18	0.5
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	13	0.5
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	12	0.5
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	6	0.5
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	6	0.5
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	6	0.5
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	14	0.5
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	14	0.5
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	14	0.5
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	20	0.5
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	20	0.5
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	20	0.5
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	3	0.5
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	3	0.5
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	3	0.5
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	9	0.5
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	9	0.5
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	9	0.5
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	17	0.5
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	17	0.5
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	17	0.5
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	6	0.5
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	6	0.5
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	9	0.5
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	12	0.5
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	13	0.5
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	14	0.5
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	17	0.5
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	15	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	19	0.5
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	5	0.5
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	13	0.5
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	13	0.5
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	20	0.5
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	13	0.5
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	4	0.5
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	18	0.5
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	2	0.5
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	2	0.5
(1,3127)	1:464:A:LEU:HG	1:465:A:VAL:H	19	0.5
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	2	0.5
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	2	0.5
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	2	0.5
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	6	0.5
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	6	0.5
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	6	0.5
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	7	0.5
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	7	0.5
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	7	0.5
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	10	0.5
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	10	0.5
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	10	0.5
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	11	0.5
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	11	0.5
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	11	0.5
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	12	0.5
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	12	0.5
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	12	0.5
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	19	0.5
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	5	0.5
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	16	0.5
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	1	0.5
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	4	0.5
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	9	0.5
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	14	0.5
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	15	0.5
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	20	0.5
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	4	0.5
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	14	0.5
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	17	0.5
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2968)	1:458:A:GLU:HG2	1:458:A:GLU:H	3	0.5
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	16	0.5
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	16	0.5
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	16	0.5
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	16	0.5
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	16	0.5
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	16	0.5
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	16	0.5
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	16	0.5
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	16	0.5
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	18	0.5
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	2	0.5
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	4	0.5
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	4	0.5
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	16	0.5
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	18	0.5
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	1	0.5
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	7	0.5
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	12	0.5
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	4	0.5
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	4	0.5
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	4	0.5
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	4	0.5
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	4	0.5
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	4	0.5
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	5	0.5
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	5	0.5
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	5	0.5
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	5	0.5
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	5	0.5
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	5	0.5
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	15	0.5
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	15	0.5
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	15	0.5
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	16	0.5
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	3	0.5
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	8	0.5
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	9	0.5
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	10	0.5
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	11	0.5
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	17	0.5
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	18	0.5
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	20	0.5
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG11	9	0.5
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG12	9	0.5
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG13	9	0.5
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG11	9	0.5
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG12	9	0.5
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG13	9	0.5
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG11	9	0.5
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG12	9	0.5
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG13	9	0.5
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	1	0.5
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	4	0.5
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	8	0.5
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	9	0.5
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	10	0.5
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	12	0.5
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	13	0.5
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	15	0.5
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	16	0.5
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	17	0.5
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	18	0.5
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	19	0.5
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	3	0.5
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	5	0.5
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	10	0.5
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	13	0.5
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	14	0.5
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	19	0.5
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	20	0.5
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	4	0.5
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	10	0.5
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	12	0.5
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	16	0.5
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	5	0.5
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	9	0.5
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	2	0.5
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	1	0.5
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	15	0.5
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	20	0.5
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	2	0.5
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	6	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	3	0.5
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	1	0.5
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	1	0.5
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	1	0.5
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	4	0.5
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	4	0.5
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	4	0.5
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	10	0.5
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	10	0.5
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	10	0.5
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	11	0.5
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	11	0.5
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	11	0.5
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	20	0.5
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	20	0.5
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	20	0.5
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	8	0.5
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	17	0.5
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	20	0.5
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	8	0.5
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	13	0.5
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	2	0.5
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	6	0.5
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	9	0.5
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	2	0.5
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	3	0.5
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	18	0.5
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	3	0.5
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	15	0.5
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	12	0.5
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	15	0.5
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	3	0.5
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	20	0.5
(1,1987)	1:433:A:LEU:HB3	1:433:A:LEU:HA	5	0.5
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	9	0.5
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	9	0.5
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	9	0.5
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	13	0.5
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	13	0.5
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	13	0.5
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	14	0.5
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	14	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	14	0.5
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	17	0.5
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	17	0.5
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	17	0.5
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	16	0.5
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	5	0.5
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	6	0.5
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	14	0.5
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	15	0.5
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	19	0.5
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	12	0.5
(1,1829)	1:451:A:LYS:HB3	1:451:A:LYS:HD2	17	0.5
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	3	0.5
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	3	0.5
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	9	0.5
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	16	0.5
(1,1810)	1:373:A:PRO:HD3	1:373:A:PRO:HG2	20	0.5
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	6	0.5
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	1	0.5
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	6	0.5
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	7	0.5
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	8	0.5
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	12	0.5
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	15	0.5
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	17	0.5
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	18	0.5
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	19	0.5
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	20	0.5
(1,1724)	1:446:A:PRO:HD2	1:445:A:THR:HA	3	0.5
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	1	0.5
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	18	0.5
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	19	0.5
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	11	0.5
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	15	0.5
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	5	0.5
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	11	0.5
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	12	0.5
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	13	0.5
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	18	0.5
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	19	0.5
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	6	0.5
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	9	0.5
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	17	0.5
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	18	0.5
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	19	0.5
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	7	0.5
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	7	0.5
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	7	0.5
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	1	0.5
(1,1486)	1:368:A:ILE:HA	1:368:A:ILE:HB	16	0.5
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	10	0.5
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	10	0.5
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	10	0.5
(1,1424)	1:367:A:ASP:HB3	1:368:A:ILE:H	11	0.5
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	9	0.5
(1,1412)	1:404:A:GLU:HA	1:405:A:SER:HB3	6	0.5
(1,1412)	1:404:A:GLU:HA	1:405:A:SER:HB3	12	0.5
(1,1362)	1:388:A:GLU:HG2	1:388:A:GLU:HA	14	0.5
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	3	0.5
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	11	0.5
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	9	0.5
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	13	0.5
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	14	0.5
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	20	0.5
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	1	0.5
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	1	0.5
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	1	0.5
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	11	0.5
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	11	0.5
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	11	0.5
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	18	0.5
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	18	0.5
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	18	0.5
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	1	0.5
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	1	0.5
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	1	0.5
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	1	0.5
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	1	0.5
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	1	0.5
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	7	0.5
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	7	0.5
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	7	0.5
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	7	0.5
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	7	0.5
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	16	0.5
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	16	0.5
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	16	0.5
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	16	0.5
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	16	0.5
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	16	0.5
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	4	0.5
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	16	0.5
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	9	0.5
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	10	0.5
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	13	0.5
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	15	0.5
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	8	0.5
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	8	0.5
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	8	0.5
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	17	0.5
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	17	0.5
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	17	0.5
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	3	0.5
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	3	0.5
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	3	0.5
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	3	0.5
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	3	0.5
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	3	0.5
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	3	0.5
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	3	0.5
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	3	0.5
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	4	0.5
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	4	0.5
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	4	0.5
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	4	0.5
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	4	0.5
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	4	0.5
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	4	0.5
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	4	0.5
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	4	0.5
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	8	0.5
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	8	0.5
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	8	0.5
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	8	0.5
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	8	0.5
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	8	0.5
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	8	0.5
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	8	0.5
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	1	0.5
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	2	0.5
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	3	0.5
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	4	0.5
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	5	0.5
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	6	0.5
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	7	0.5
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	8	0.5
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	9	0.5
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	11	0.5
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	12	0.5
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	13	0.5
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	14	0.5
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	16	0.5
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	17	0.5
(1,931)	1:345:A:ILE:HB	1:345:A:ILE:HA	18	0.5
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	13	0.5
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	13	0.5
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	13	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	4	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	4	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	4	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	4	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	4	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	4	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	4	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	4	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	4	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	8	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	8	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	8	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	8	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	8	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	8	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	8	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	8	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	10	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	10	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	10	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	10	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	10	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	10	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	10	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	10	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	10	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	12	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	12	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	12	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	12	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	12	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	12	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	12	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	12	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	12	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	13	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	13	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	13	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	13	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	13	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	13	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	13	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	13	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	13	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	14	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	14	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	14	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	14	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	14	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	14	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	14	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	14	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	14	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	17	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	17	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	17	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	17	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	17	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	17	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	17	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	17	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	18	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	18	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	18	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	18	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	18	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	18	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	18	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	18	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	18	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	20	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	20	0.5
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	20	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	20	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	20	0.5
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	20	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	20	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	20	0.5
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	20	0.5
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	5	0.5
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	11	0.5
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	9	0.5
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	9	0.5
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	9	0.5
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	19	0.5
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	19	0.5
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	19	0.5
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	3	0.5
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	10	0.5
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	17	0.5
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	18	0.5
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	1	0.5
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	7	0.5
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	9	0.5
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	5	0.5
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	6	0.5
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	15	0.5
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	12	0.5
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	17	0.5
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,747)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	9	0.5
(1,710)	1:366:A:THR:HB	1:366:A:THR:HA	16	0.5
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	13	0.5
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	13	0.5
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	13	0.5
(1,671)	1:399:A:ASP:HB3	1:400:A:GLY:HA3	13	0.5
(1,671)	1:399:A:ASP:HB3	1:400:A:GLY:HA3	18	0.5
(1,671)	1:399:A:ASP:HB3	1:400:A:GLY:HA3	19	0.5
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	7	0.5
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	12	0.5
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	18	0.5
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	1	0.5
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	8	0.5
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	2	0.5
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	6	0.5
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	15	0.5
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	15	0.5
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	15	0.5
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	1	0.5
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	2	0.5
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	11	0.5
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	13	0.5
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	15	0.5
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	18	0.5
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	19	0.5
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	1	0.5
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	13	0.5
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	3	0.5
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	5	0.5
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	3	0.5
(1,428)	1:408:A:ASN:HB2	1:407:A:VAL:HA	5	0.5
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	1	0.5
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	5	0.5
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	6	0.5
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	14	0.5
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	18	0.5
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	19	0.5
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	20	0.5
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	2	0.5
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	3	0.5
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	5	0.5
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	9	0.5
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	16	0.5
(1,346)	1:373:A:PRO:HG2	1:373:A:PRO:HD3	20	0.5
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	3	0.5
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	4	0.5
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	8	0.5
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	9	0.5
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	11	0.5
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	12	0.5
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	13	0.5
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	16	0.5
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	17	0.5
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	19	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	1	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	1	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	1	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	2	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	2	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	2	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	3	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	3	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	3	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	4	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	4	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	4	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	5	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	5	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	5	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	6	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	6	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	6	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	7	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	7	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	7	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	8	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	8	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	8	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	9	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	9	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	9	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	10	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	10	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	11	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	11	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	11	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	12	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	12	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	12	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	13	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	13	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	13	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	14	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	14	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	14	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	16	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	16	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	16	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	17	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	17	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	17	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	18	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	18	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	18	0.5
(1,330)	1:349:A:LEU:HD21	1:349:A:LEU:HG	19	0.5
(1,330)	1:349:A:LEU:HD22	1:349:A:LEU:HG	19	0.5
(1,330)	1:349:A:LEU:HD23	1:349:A:LEU:HG	19	0.5
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	16	0.5
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	9	0.5
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	9	0.5
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	9	0.5
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	11	0.5
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	4	0.5
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	4	0.5
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	4	0.5
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	5	0.5
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	5	0.5
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	5	0.5
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	6	0.5
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	6	0.5
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	6	0.5
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	9	0.5
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	9	0.5
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	4	0.5
(1,251)	1:361:A:LYS:HD3	1:361:A:LYS:H	5	0.5
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	1	0.5
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	1	0.5
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	1	0.5
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	8	0.5
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	8	0.5
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	8	0.5
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	17	0.5
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	17	0.5
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	17	0.5
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	20	0.5
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	20	0.5
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	20	0.5
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	3	0.5
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	3	0.5
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	3	0.5
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	3	0.5
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	3	0.5
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	3	0.5
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	3	0.5
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	3	0.5
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	3	0.5
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	17	0.5
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	17	0.5
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	17	0.5
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	17	0.5
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	17	0.5
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	17	0.5
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	17	0.5
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	17	0.5
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	17	0.5
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	2	0.5
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	3	0.5
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	4	0.5
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	8	0.5
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	19	0.5
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	17	0.5
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	17	0.5
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	17	0.5
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	9	0.49
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	2	0.49
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	4	0.49
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	7	0.49
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	8	0.49
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	11	0.49
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	13	0.49
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	16	0.49
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	2	0.49
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	1	0.49
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	8	0.49
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	11	0.49
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	17	0.49
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	5	0.49
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	6	0.49
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	15	0.49
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	16	0.49
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	13	0.49
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	13	0.49
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	13	0.49
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	5	0.49
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	16	0.49
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	1	0.49
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	7	0.49
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	4	0.49
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	9	0.49
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	10	0.49
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	8	0.49
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	18	0.49
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	2	0.49
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	12	0.49
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	19	0.49
(1,4725)	1:395:A:GLY:H	1:402:A:PRO:HB3	18	0.49
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	10	0.49
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	10	0.49
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	10	0.49
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	3	0.49
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	11	0.49
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	4	0.49
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	17	0.49
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	20	0.49
(1,4545)	1:343:A:THR:H	1:342:A:ASP:H	13	0.49
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	20	0.49
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	18	0.49
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	18	0.49
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	18	0.49
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	9	0.49
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	5	0.49
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	18	0.49
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	20	0.49
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	1	0.49
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	8	0.49
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	16	0.49
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	17	0.49
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	18	0.49
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	20	0.49
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	3	0.49
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	15	0.49
(1,4484)	1:340:A:MET:H	1:340:A:MET:HB2	13	0.49
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	8	0.49
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	12	0.49
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	12	0.49
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	1	0.49
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	5	0.49
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	9	0.49
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	4	0.49
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	5	0.49
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	7	0.49
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	10	0.49
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	12	0.49
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	13	0.49
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	14	0.49
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	15	0.49
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	16	0.49
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	17	0.49
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	18	0.49
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	19	0.49
(1,4403)	1:397:A:ASN:HD21	1:397:A:ASN:HD22	20	0.49
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	1	0.49
(1,4339)	1:372:A:LYS:H	1:372:A:LYS:HG2	15	0.49
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	6	0.49
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	1	0.49
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	8	0.49
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	16	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	17	0.49
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	18	0.49
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	20	0.49
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	18	0.49
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	4	0.49
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	9	0.49
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	10	0.49
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	12	0.49
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	14	0.49
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	15	0.49
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	16	0.49
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	17	0.49
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	18	0.49
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	19	0.49
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	8	0.49
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	8	0.49
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	5	0.49
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	2	0.49
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	13	0.49
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	14	0.49
(1,4144)	1:407:A:VAL:H	1:406:A:PRO:HD2	16	0.49
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	11	0.49
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	13	0.49
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	4	0.49
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	11	0.49
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	14	0.49
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	15	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	1	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	2	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	3	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	4	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	5	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	7	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	8	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	9	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	10	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	11	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	12	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	13	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	14	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	15	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	16	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	17	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	18	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	19	0.49
(1,4091)	1:411:A:MET:H	1:411:A:MET:HA	20	0.49
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	8	0.49
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	9	0.49
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	10	0.49
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	14	0.49
(1,4075)	1:393:A:LEU:H	1:405:A:SER:HA	16	0.49
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	7	0.49
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	12	0.49
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	9	0.49
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	9	0.49
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	9	0.49
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	15	0.49
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	15	0.49
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	15	0.49
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	2	0.49
(1,4058)	1:384:A:VAL:H	1:383:A:TYR:HA	6	0.49
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	20	0.49
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	5	0.49
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	3	0.49
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	10	0.49
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	11	0.49
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	11	0.49
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	4	0.49
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	5	0.49
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	16	0.49
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	11	0.49
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	16	0.49
(1,3929)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	1	0.49
(1,3929)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	2	0.49
(1,3929)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	8	0.49
(1,3929)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	14	0.49
(1,3929)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	17	0.49
(1,3929)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	18	0.49
(1,3929)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	20	0.49
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	1	0.49
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	15	0.49
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	20	0.49
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	12	0.49
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	17	0.49
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	17	0.49
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	17	0.49
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	17	0.49
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	17	0.49
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	17	0.49
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	4	0.49
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	11	0.49
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	14	0.49
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	12	0.49
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	13	0.49
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	13	0.49
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	18	0.49
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	18	0.49
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	1	0.49
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	1	0.49
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	1	0.49
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	4	0.49
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	12	0.49
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	16	0.49
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	18	0.49
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	19	0.49
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	4	0.49
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	4	0.49
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	4	0.49
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	11	0.49
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	11	0.49
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	11	0.49
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	14	0.49
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	14	0.49
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	14	0.49
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	12	0.49
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	12	0.49
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	12	0.49
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	15	0.49
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	15	0.49
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	15	0.49
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	16	0.49
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	16	0.49
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	16	0.49
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	19	0.49
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	19	0.49
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	3	0.49
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	5	0.49
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	12	0.49
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	18	0.49
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	19	0.49
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	8	0.49
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	11	0.49
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	2	0.49
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	15	0.49
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	15	0.49
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	15	0.49
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	14	0.49
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	5	0.49
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	6	0.49
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	12	0.49
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	20	0.49
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	3	0.49
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	16	0.49
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	2	0.49
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	4	0.49
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	10	0.49
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	16	0.49
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	20	0.49
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	7	0.49
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	3	0.49
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	6	0.49
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	1	0.49
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	1	0.49
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	1	0.49
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	3	0.49
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	3	0.49
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	3	0.49
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	4	0.49
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	4	0.49
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	4	0.49
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	5	0.49
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	5	0.49
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	5	0.49
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	8	0.49
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	8	0.49
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	8	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	9	0.49
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	9	0.49
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	9	0.49
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	13	0.49
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	13	0.49
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	13	0.49
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	14	0.49
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	14	0.49
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	14	0.49
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	15	0.49
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	15	0.49
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	15	0.49
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	16	0.49
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	16	0.49
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	16	0.49
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	17	0.49
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	17	0.49
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	17	0.49
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	19	0.49
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	19	0.49
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	19	0.49
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	20	0.49
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	20	0.49
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	20	0.49
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	18	0.49
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	13	0.49
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	17	0.49
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	18	0.49
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	8	0.49
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	5	0.49
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	5	0.49
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	5	0.49
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	9	0.49
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	9	0.49
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	9	0.49
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	11	0.49
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	11	0.49
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	11	0.49
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	17	0.49
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	1	0.49
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	13	0.49
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	1	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	2	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	3	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	4	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	5	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	6	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	7	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	8	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	9	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	10	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	11	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	12	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	13	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	14	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	15	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	16	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	17	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	18	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	19	0.49
(1,2964)	1:354:A:MET:HB3	1:354:A:MET:HA	20	0.49
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	8	0.49
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	8	0.49
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	8	0.49
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	8	0.49
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	8	0.49
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	8	0.49
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	8	0.49
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	8	0.49
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	8	0.49
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	20	0.49
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	20	0.49
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	20	0.49
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	20	0.49
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	20	0.49
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	20	0.49
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	20	0.49
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	20	0.49
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	20	0.49
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	2	0.49
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	2	0.49
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	2	0.49
(1,2868)	1:361:A:LYS:HB3	1:361:A:LYS:HD2	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	1	0.49
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	11	0.49
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	17	0.49
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	19	0.49
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	6	0.49
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	8	0.49
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	11	0.49
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD1	15	0.49
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD2	15	0.49
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD1	15	0.49
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD2	15	0.49
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD1	15	0.49
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD2	15	0.49
(1,2758)	1:365:A:GLU:HG3	1:365:A:GLU:H	6	0.49
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	10	0.49
(1,2661)	1:437:A:ARG:HD3	1:437:A:ARG:HA	9	0.49
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	2	0.49
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	6	0.49
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	7	0.49
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	14	0.49
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	20	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	1	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	1	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	1	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	2	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	2	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	2	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	3	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	3	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	3	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	4	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	4	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	4	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	5	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	5	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	5	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	6	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	6	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	6	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	7	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	7	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	8	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	8	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	8	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	9	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	9	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	9	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	10	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	10	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	10	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	11	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	11	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	11	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	12	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	12	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	12	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	13	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	13	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	13	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	14	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	14	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	14	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	15	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	15	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	15	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	17	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	17	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	17	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	18	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	18	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	18	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	19	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	19	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	19	0.49
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	20	0.49
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	20	0.49
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	20	0.49
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	14	0.49
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	15	0.49
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG11	11	0.49
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG12	11	0.49
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG13	11	0.49
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG11	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG12	11	0.49
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG13	11	0.49
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG11	11	0.49
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG12	11	0.49
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG13	11	0.49
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	11	0.49
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	14	0.49
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	20	0.49
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	2	0.49
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	7	0.49
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	8	0.49
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	12	0.49
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	11	0.49
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	15	0.49
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	16	0.49
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	4	0.49
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	4	0.49
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	4	0.49
(1,2419)	1:387:A:LYS:HG3	1:387:A:LYS:H	8	0.49
(1,2419)	1:387:A:LYS:HG3	1:387:A:LYS:H	16	0.49
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	1	0.49
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	2	0.49
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	3	0.49
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	7	0.49
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	17	0.49
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	7	0.49
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	7	0.49
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	7	0.49
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	8	0.49
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	8	0.49
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	8	0.49
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	12	0.49
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	12	0.49
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	12	0.49
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	18	0.49
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	18	0.49
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	18	0.49
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	19	0.49
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	19	0.49
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	19	0.49
(1,2225)	1:456:A:MET:HG3	1:457:A:VAL:H	19	0.49
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	5	0.49
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	6	0.49
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	14	0.49
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	15	0.49
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	17	0.49
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	18	0.49
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	4	0.49
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	16	0.49
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	19	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	1	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	1	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	1	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	2	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	2	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	2	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	3	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	3	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	3	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	4	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	4	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	4	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	6	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	6	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	6	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	7	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	7	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	7	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	8	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	8	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	8	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	9	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	9	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	9	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	10	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	10	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	10	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	11	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	11	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	11	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	12	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	12	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	12	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	13	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	13	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	13	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	14	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	14	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	14	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	15	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	15	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	15	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	17	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	17	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	17	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	18	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	18	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	18	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	19	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	19	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	19	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	20	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	20	0.49
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	20	0.49
(1,2152)	1:399:A:ASP:HB3	1:399:A:ASP:H	20	0.49
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE1	13	0.49
(1,2130)	1:342:A:ASP:HB2	1:344:A:TYR:HE2	13	0.49
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	13	0.49
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	17	0.49
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	15	0.49
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	5	0.49
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	5	0.49
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	5	0.49
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	18	0.49
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	18	0.49
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	18	0.49
(1,1937)	1:464:A:LEU:HA	1:465:A:VAL:HA	12	0.49
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	3	0.49
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	7	0.49
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	10	0.49
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	11	0.49
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	12	0.49
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	16	0.49
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	17	0.49
(1,1814)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	2	0.49
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	3	0.49
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	4	0.49
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	9	0.49
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	10	0.49
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	11	0.49
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	13	0.49
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	14	0.49
(1,1741)	1:418:A:VAL:HA	1:418:A:VAL:H	16	0.49
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	6	0.49
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	2	0.49
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	9	0.49
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	10	0.49
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	11	0.49
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	17	0.49
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	20	0.49
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	2	0.49
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	3	0.49
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	4	0.49
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	10	0.49
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	12	0.49
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	17	0.49
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	19	0.49
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	20	0.49
(1,1565)	1:352:A:GLN:HG3	1:352:A:GLN:HE21	6	0.49
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	11	0.49
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	11	0.49
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	12	0.49
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	12	0.49
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	4	0.49
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	7	0.49
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	10	0.49
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	16	0.49
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	20	0.49
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	1	0.49
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	4	0.49
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	2	0.49
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	2	0.49
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	2	0.49
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	2	0.49
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	2	0.49
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	5	0.49
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	5	0.49
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	5	0.49
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	9	0.49
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	9	0.49
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	9	0.49
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	11	0.49
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	11	0.49
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	11	0.49
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	16	0.49
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	16	0.49
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	16	0.49
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	14	0.49
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	14	0.49
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	14	0.49
(1,1379)	1:361:A:LYS:HD2	1:361:A:LYS:H	12	0.49
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	2	0.49
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	2	0.49
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	2	0.49
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	5	0.49
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	5	0.49
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	5	0.49
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	6	0.49
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	17	0.49
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	17	0.49
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	17	0.49
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	17	0.49
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	17	0.49
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	17	0.49
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	17	0.49
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	17	0.49
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	17	0.49
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	2	0.49
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	7	0.49
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	9	0.49
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	10	0.49
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	11	0.49
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	12	0.49
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	13	0.49
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	15	0.49
(1,1261)	1:369:A:VAL:HG11	1:429:A:TYR:HA	4	0.49
(1,1261)	1:369:A:VAL:HG12	1:429:A:TYR:HA	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:369:A:VAL:HG13	1:429:A:TYR:HA	4	0.49
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	17	0.49
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	17	0.49
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	17	0.49
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	15	0.49
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	2	0.49
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	14	0.49
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	19	0.49
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	6	0.49
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	10	0.49
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	15	0.49
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	20	0.49
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	11	0.49
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	11	0.49
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	11	0.49
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	11	0.49
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	11	0.49
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	11	0.49
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	1	0.49
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	5	0.49
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	1	0.49
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	1	0.49
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	1	0.49
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	12	0.49
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	12	0.49
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	12	0.49
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	14	0.49
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	14	0.49
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	14	0.49
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	18	0.49
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	6	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	1	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	1	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	1	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	2	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	2	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	2	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	3	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	3	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	3	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	4	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	4	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	5	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	5	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	5	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	6	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	6	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	6	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	7	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	7	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	7	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	8	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	8	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	8	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	9	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	9	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	9	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	10	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	10	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	10	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	11	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	11	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	11	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	12	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	12	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	12	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	13	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	13	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	13	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	14	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	14	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	14	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	16	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	16	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	16	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	17	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	17	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	17	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	18	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	18	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	18	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	20	0.49
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	20	0.49
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	1	0.49
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	2	0.49
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	3	0.49
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	4	0.49
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	5	0.49
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	8	0.49
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	9	0.49
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	10	0.49
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	11	0.49
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	13	0.49
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	14	0.49
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	16	0.49
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	18	0.49
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	19	0.49
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	20	0.49
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	1	0.49
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	5	0.49
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	5	0.49
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	5	0.49
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	5	0.49
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	5	0.49
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	5	0.49
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	5	0.49
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	5	0.49
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	5	0.49
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	5	0.49
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	5	0.49
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	5	0.49
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	9	0.49
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	9	0.49
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	9	0.49
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	9	0.49
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	9	0.49
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	9	0.49
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	9	0.49
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	9	0.49
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	9	0.49
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD11	11	0.49
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD12	11	0.49
(1,893)	1:377:A:THR:HG21	1:443:A:ILE:HD13	11	0.49
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD11	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD12	11	0.49
(1,893)	1:377:A:THR:HG22	1:443:A:ILE:HD13	11	0.49
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD11	11	0.49
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD12	11	0.49
(1,893)	1:377:A:THR:HG23	1:443:A:ILE:HD13	11	0.49
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	11	0.49
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	2	0.49
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	7	0.49
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	13	0.49
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	14	0.49
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	20	0.49
(1,852)	1:421:A:HIS:HB2	1:410:A:TRP:HE3	9	0.49
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	5	0.49
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	9	0.49
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	9	0.49
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	9	0.49
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	15	0.49
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	16	0.49
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	18	0.49
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	19	0.49
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	1	0.49
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	2	0.49
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	3	0.49
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	4	0.49
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	7	0.49
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	8	0.49
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	9	0.49
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	11	0.49
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	12	0.49
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	13	0.49
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	14	0.49
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	17	0.49
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	18	0.49
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	19	0.49
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	20	0.49
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	14	0.49
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	14	0.49
(1,734)	1:402:A:PRO:HA	1:402:A:PRO:HD3	17	0.49
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	1	0.49
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	1	0.49
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	7	0.49
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	13	0.49
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	13	0.49
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	15	0.49
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	15	0.49
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	17	0.49
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	17	0.49
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	18	0.49
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	18	0.49
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	2	0.49
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	10	0.49
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	10	0.49
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	10	0.49
(1,671)	1:399:A:ASP:HB3	1:400:A:GLY:HA3	5	0.49
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	10	0.49
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	3	0.49
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	6	0.49
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	9	0.49
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	12	0.49
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	11	0.49
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	9	0.49
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	2	0.49
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	7	0.49
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	9	0.49
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	10	0.49
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	11	0.49
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	12	0.49
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	13	0.49
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	15	0.49
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	3	0.49
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	5	0.49
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	8	0.49
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	7	0.49
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	16	0.49
(1,526)	1:440:A:HIS:HA	1:371:A:GLY:HA3	20	0.49
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	16	0.49
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	20	0.49
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	12	0.49
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	20	0.49
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	8	0.49
(1,428)	1:408:A:ASN:HB2	1:407:A:VAL:HA	16	0.49
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	1	0.49
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	5	0.49
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	6	0.49
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	7	0.49
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	10	0.49
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	14	0.49
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	15	0.49
(1,343)	1:412:A:PRO:HD3	1:412:A:PRO:HG2	20	0.49
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	1	0.49
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	1	0.49
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	1	0.49
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	12	0.49
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	12	0.49
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	12	0.49
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	14	0.49
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	14	0.49
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	14	0.49
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	14	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	1	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	1	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	1	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	2	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	2	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	2	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	3	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	3	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	3	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	4	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	4	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	4	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	5	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	5	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	5	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	6	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	6	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	6	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	7	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	7	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	7	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	8	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	8	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	8	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	10	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	10	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	10	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	11	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	11	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	11	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	12	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	12	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	12	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	13	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	13	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	13	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	14	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	14	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	14	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	15	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	15	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	15	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	16	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	16	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	16	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	17	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	17	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	17	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	18	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	18	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	18	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	19	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	19	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	19	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG11	20	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG12	20	0.49
(1,319)	1:457:A:VAL:HB	1:457:A:VAL:HG13	20	0.49
(1,318)	1:407:A:VAL:HA	1:408:A:ASN:HB3	4	0.49
(1,318)	1:407:A:VAL:HA	1:408:A:ASN:HB3	12	0.49
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	17	0.49
(1,273)	1:423:A:SER:HB3	1:423:A:SER:HA	2	0.49
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	1	0.49
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	1	0.49
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	1	0.49
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	2	0.49
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	2	0.49
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	3	0.49
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	3	0.49
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	3	0.49
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	7	0.49
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	7	0.49
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	7	0.49
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	8	0.49
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	8	0.49
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	8	0.49
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	10	0.49
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	10	0.49
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	10	0.49
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	11	0.49
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	11	0.49
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	11	0.49
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	12	0.49
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	12	0.49
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	12	0.49
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	13	0.49
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	13	0.49
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	13	0.49
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	14	0.49
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	14	0.49
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	14	0.49
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	15	0.49
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	15	0.49
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	15	0.49
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	16	0.49
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	16	0.49
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	16	0.49
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	17	0.49
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	17	0.49
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	17	0.49
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	18	0.49
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	18	0.49
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	18	0.49
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	19	0.49
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	19	0.49
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	19	0.49
(1,269)	1:364:A:LEU:HD11	1:364:A:LEU:HG	20	0.49
(1,269)	1:364:A:LEU:HD12	1:364:A:LEU:HG	20	0.49
(1,269)	1:364:A:LEU:HD13	1:364:A:LEU:HG	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD21	8	0.49
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD22	8	0.49
(1,266)	1:421:A:HIS:HB2	1:393:A:LEU:HD23	8	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	2	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	2	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	2	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	3	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	3	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	3	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	4	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	4	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	4	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	5	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	5	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	5	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	6	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	6	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	6	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	7	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	7	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	7	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	9	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	9	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	9	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	10	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	10	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	10	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	11	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	11	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	11	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	12	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	12	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	12	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	13	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	13	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	13	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	14	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	14	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	14	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	15	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	15	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	16	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	16	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	16	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	18	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	18	0.49
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	18	0.49
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	9	0.49
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	6	0.49
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	6	0.49
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	6	0.49
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	6	0.49
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	6	0.49
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	6	0.49
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	6	0.49
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	6	0.49
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	6	0.49
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	12	0.49
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	12	0.49
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	12	0.49
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	12	0.49
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	12	0.49
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	12	0.49
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	12	0.49
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	12	0.49
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	12	0.49
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	13	0.49
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	13	0.49
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	13	0.49
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	13	0.49
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	13	0.49
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	13	0.49
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	13	0.49
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	13	0.49
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	13	0.49
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	6	0.49
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	10	0.49
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	15	0.49
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	20	0.49
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	5	0.49
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	9	0.49
(1,93)	1:352:A:GLN:HG3	1:352:A:GLN:HB2	18	0.49
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	19	0.49
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	19	0.49
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	1	0.48
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	3	0.48
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	14	0.48
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	19	0.48
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	15	0.48
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	4	0.48
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	6	0.48
(1,4965)	1:408:A:ASN:H	1:408:A:ASN:HD22	3	0.48
(1,4918)	1:383:A:TYR:H	1:382:A:PHE:HA	11	0.48
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	14	0.48
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	11	0.48
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	7	0.48
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	5	0.48
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	8	0.48
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	13	0.48
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	17	0.48
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	3	0.48
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	3	0.48
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	3	0.48
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	2	0.48
(1,4849)	1:360:A:GLY:H	1:361:A:LYS:HG2	3	0.48
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	7	0.48
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	3	0.48
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	5	0.48
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	8	0.48
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	4	0.48
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	5	0.48
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	14	0.48
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	3	0.48
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	7	0.48
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	4	0.48
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	12	0.48
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	8	0.48
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	14	0.48
(1,4702)	1:414:A:ASP:H	1:414:A:ASP:HB2	12	0.48
(1,4702)	1:414:A:ASP:H	1:414:A:ASP:HB2	19	0.48
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	11	0.48
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	11	0.48
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	11	0.48
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	16	0.48
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	16	0.48
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	18	0.48
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	18	0.48
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	18	0.48
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	20	0.48
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	20	0.48
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	20	0.48
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	15	0.48
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	7	0.48
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	2	0.48
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	4	0.48
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	8	0.48
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	11	0.48
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	14	0.48
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	17	0.48
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	2	0.48
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	3	0.48
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	4	0.48
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	5	0.48
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	6	0.48
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	7	0.48
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	9	0.48
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	10	0.48
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	11	0.48
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	12	0.48
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	13	0.48
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	14	0.48
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	15	0.48
(1,4490)	1:386:A:ASN:HD22	1:386:A:ASN:HD21	19	0.48
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	1	0.48
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	9	0.48
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	5	0.48
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	7	0.48
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	8	0.48
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	4	0.48
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	6	0.48
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	4	0.48
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	8	0.48
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	8	0.48
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	13	0.48
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	15	0.48
(1,4339)	1:372:A:LYS:H	1:372:A:LYS:HG2	13	0.48
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	19	0.48
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	2	0.48
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	3	0.48
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	4	0.48
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	5	0.48
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	6	0.48
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	7	0.48
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	9	0.48
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	10	0.48
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	11	0.48
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	12	0.48
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	13	0.48
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	14	0.48
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	15	0.48
(1,4286)	1:386:A:ASN:HD21	1:386:A:ASN:HD22	19	0.48
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	20	0.48
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	1	0.48
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	3	0.48
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	7	0.48
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	8	0.48
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	20	0.48
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	9	0.48
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	7	0.48
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	15	0.48
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	20	0.48
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	16	0.48
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	16	0.48
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	16	0.48
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	12	0.48
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	4	0.48
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	20	0.48
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	4	0.48
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	20	0.48
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	3	0.48
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	12	0.48
(1,3929)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	4	0.48
(1,3929)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	9	0.48
(1,3929)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	11	0.48
(1,3929)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	12	0.48
(1,3929)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	19	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	8	0.48
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	17	0.48
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	19	0.48
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	4	0.48
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	4	0.48
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	4	0.48
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	4	0.48
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	4	0.48
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	4	0.48
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	13	0.48
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	13	0.48
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	13	0.48
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	13	0.48
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	13	0.48
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	13	0.48
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	13	0.48
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	13	0.48
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	13	0.48
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	13	0.48
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	13	0.48
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	13	0.48
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	16	0.48
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	16	0.48
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	16	0.48
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	16	0.48
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	16	0.48
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	16	0.48
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	7	0.48
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	7	0.48
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	17	0.48
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	17	0.48
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	5	0.48
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	5	0.48
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	5	0.48
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	2	0.48
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	2	0.48
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	17	0.48
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	7	0.48
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	8	0.48
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	13	0.48
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	16	0.48
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	16	0.48
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	16	0.48
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	4	0.48
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	4	0.48
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	4	0.48
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	9	0.48
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	9	0.48
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	9	0.48
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	2	0.48
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	7	0.48
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	8	0.48
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	5	0.48
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	9	0.48
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	6	0.48
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	6	0.48
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	6	0.48
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	1	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	2	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	3	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	4	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	5	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	6	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	7	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	8	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	9	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	10	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	11	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	12	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	13	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	14	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	15	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	17	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	18	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	19	0.48
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	20	0.48
(1,3346)	1:387:A:LYS:HB3	1:388:A:GLU:H	4	0.48
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	17	0.48
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	9	0.48
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	9	0.48
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	9	0.48
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	7	0.48
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	5	0.48
(1,3272)	1:465:A:VAL:HA	1:466:A:PHE:H	11	0.48
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	20	0.48
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	12	0.48
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	17	0.48
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	19	0.48
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	1	0.48
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	2	0.48
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	4	0.48
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	5	0.48
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	7	0.48
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	9	0.48
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	10	0.48
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	11	0.48
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	13	0.48
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	14	0.48
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	15	0.48
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	16	0.48
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	17	0.48
(1,3077)	1:369:A:VAL:HG11	1:369:A:VAL:HB	18	0.48
(1,3077)	1:369:A:VAL:HG12	1:369:A:VAL:HB	18	0.48
(1,3077)	1:369:A:VAL:HG13	1:369:A:VAL:HB	18	0.48
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	4	0.48
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	3	0.48
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	4	0.48
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	7	0.48
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	10	0.48
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	11	0.48
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	12	0.48
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	14	0.48
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	15	0.48
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	20	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	1	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	1	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	1	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	2	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	2	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	2	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	3	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	3	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	3	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	4	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	4	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	6	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	6	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	6	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	7	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	7	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	7	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	8	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	8	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	8	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	10	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	10	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	10	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	12	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	12	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	12	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	13	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	13	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	13	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	14	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	14	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	14	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	15	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	15	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	15	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	16	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	16	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	16	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	17	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	17	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	17	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	18	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	18	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	18	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	19	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	19	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	19	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG21	20	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG22	20	0.48
(1,2986)	1:343:A:THR:HB	1:343:A:THR:HG23	20	0.48
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	20	0.48
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	16	0.48
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	2	0.48
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	8	0.48
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	9	0.48
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	10	0.48
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	11	0.48
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	12	0.48
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	19	0.48
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	20	0.48
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	7	0.48
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	7	0.48
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	7	0.48
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	6	0.48
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	6	0.48
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	6	0.48
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	6	0.48
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	6	0.48
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	6	0.48
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	6	0.48
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	6	0.48
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	6	0.48
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	7	0.48
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	7	0.48
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	7	0.48
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	7	0.48
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	7	0.48
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	7	0.48
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	7	0.48
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	7	0.48
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	7	0.48
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	3	0.48
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	3	0.48
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	3	0.48
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	14	0.48
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	14	0.48
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	14	0.48
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	8	0.48
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	14	0.48
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	2	0.48
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	13	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	1	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	1	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	2	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	2	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	2	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	3	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	3	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	3	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	4	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	4	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	4	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	5	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	5	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	5	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	6	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	6	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	6	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	7	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	7	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	7	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	8	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	8	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	8	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	9	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	9	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	9	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	10	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	10	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	10	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	11	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	11	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	11	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	12	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	12	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	12	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	13	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	13	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	13	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	14	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	14	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	14	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	15	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	15	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	15	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	16	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	16	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	16	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	17	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	17	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	17	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	18	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	18	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	18	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	19	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	19	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	19	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG11	20	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG12	20	0.48
(1,2794)	1:465:A:VAL:HB	1:465:A:VAL:HG13	20	0.48
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	15	0.48
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	15	0.48
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	15	0.48
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	15	0.48
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	15	0.48
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	15	0.48
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	4	0.48
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	1	0.48
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	2	0.48
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	14	0.48
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	19	0.48
(1,2621)	1:346:A:GLU:HA	1:347:A:VAL:H	12	0.48
(1,2601)	1:393:A:LEU:HD21	1:393:A:LEU:HG	16	0.48
(1,2601)	1:393:A:LEU:HD22	1:393:A:LEU:HG	16	0.48
(1,2601)	1:393:A:LEU:HD23	1:393:A:LEU:HG	16	0.48
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	5	0.48
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	8	0.48
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	10	0.48
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	14	0.48
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	17	0.48
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	6	0.48
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	15	0.48
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	2	0.48
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	3	0.48
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	6	0.48
(1,2511)	1:386:A:ASN:HB3	1:386:A:ASN:HA	7	0.48
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	4	0.48
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	9	0.48
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	17	0.48
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	17	0.48
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	6	0.48
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	2	0.48
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	18	0.48
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	6	0.48
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	8	0.48
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	9	0.48
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	12	0.48
(1,2434)	1:399:A:ASP:HB2	1:399:A:ASP:H	10	0.48
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	1	0.48
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	1	0.48
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	1	0.48
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	3	0.48
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	3	0.48
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	3	0.48
(1,2323)	1:411:A:MET:HG2	1:411:A:MET:HB3	6	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	1	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	1	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	1	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	2	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	2	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	2	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	3	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	3	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	3	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	4	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	4	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	4	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	5	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	5	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	5	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	6	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	6	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	6	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	7	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	7	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	8	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	8	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	8	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	9	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	9	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	9	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	10	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	10	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	10	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	11	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	11	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	11	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	12	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	12	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	12	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	13	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	13	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	13	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	14	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	14	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	14	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	15	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	15	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	15	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	16	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	16	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	16	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	17	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	17	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	17	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	18	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	18	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	18	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	19	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	19	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	19	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG21	20	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG22	20	0.48
(1,2312)	1:457:A:VAL:HB	1:457:A:VAL:HG23	20	0.48
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	5	0.48
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	8	0.48
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	10	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	11	0.48
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	15	0.48
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	19	0.48
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	20	0.48
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	10	0.48
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	3	0.48
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	3	0.48
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	3	0.48
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	5	0.48
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	5	0.48
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	5	0.48
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	6	0.48
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	6	0.48
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	6	0.48
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	14	0.48
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	14	0.48
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	14	0.48
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	15	0.48
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	15	0.48
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	15	0.48
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	16	0.48
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	16	0.48
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	16	0.48
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	7	0.48
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	8	0.48
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	12	0.48
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	19	0.48
(1,2219)	1:414:A:ASP:HA	1:414:A:ASP:HB3	20	0.48
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	6	0.48
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	14	0.48
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	15	0.48
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	5	0.48
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	5	0.48
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	5	0.48
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG21	16	0.48
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG22	16	0.48
(1,2174)	1:347:A:VAL:HB	1:347:A:VAL:HG23	16	0.48
(1,2138)	1:401:A:THR:HA	1:400:A:GLY:HA3	1	0.48
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	6	0.48
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	12	0.48
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	18	0.48
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	10	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	2	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	3	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	4	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	5	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	6	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	7	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	8	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	9	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	10	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	11	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	12	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	13	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	14	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	15	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	17	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	18	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	19	0.48
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	20	0.48
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	10	0.48
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	10	0.48
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	10	0.48
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	16	0.48
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	16	0.48
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	16	0.48
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	20	0.48
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	20	0.48
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	20	0.48
(1,1925)	1:443:A:ILE:HA	1:443:A:ILE:H	4	0.48
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	8	0.48
(1,1814)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	3	0.48
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	5	0.48
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	6	0.48
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	13	0.48
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	14	0.48
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	16	0.48
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	2	0.48
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	2	0.48
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	2	0.48
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	1	0.48
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	5	0.48
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	13	0.48
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	18	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	2	0.48
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	3	0.48
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	5	0.48
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	6	0.48
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	7	0.48
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	10	0.48
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	11	0.48
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	12	0.48
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	13	0.48
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	14	0.48
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	16	0.48
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	17	0.48
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	19	0.48
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	3	0.48
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	19	0.48
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	8	0.48
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	8	0.48
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	1	0.48
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	3	0.48
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	11	0.48
(1,1534)	1:343:A:THR:HA	1:343:A:THR:H	13	0.48
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	9	0.48
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	12	0.48
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	18	0.48
(1,1489)	1:340:A:MET:HE1	1:340:A:MET:HB2	9	0.48
(1,1489)	1:340:A:MET:HE2	1:340:A:MET:HB2	9	0.48
(1,1489)	1:340:A:MET:HE3	1:340:A:MET:HB2	9	0.48
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	3	0.48
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	3	0.48
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	3	0.48
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	4	0.48
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	4	0.48
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	4	0.48
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	6	0.48
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	6	0.48
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	6	0.48
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	7	0.48
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	7	0.48
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	7	0.48
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	10	0.48
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	10	0.48
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	10	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	12	0.48
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	12	0.48
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	12	0.48
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	13	0.48
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	13	0.48
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	13	0.48
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	14	0.48
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	14	0.48
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	14	0.48
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	15	0.48
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	15	0.48
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	15	0.48
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	17	0.48
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	17	0.48
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	17	0.48
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	18	0.48
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	18	0.48
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	18	0.48
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	20	0.48
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	20	0.48
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	20	0.48
(1,1469)	1:443:A:ILE:HG21	1:368:A:ILE:HB	20	0.48
(1,1469)	1:443:A:ILE:HG22	1:368:A:ILE:HB	20	0.48
(1,1469)	1:443:A:ILE:HG23	1:368:A:ILE:HB	20	0.48
(1,1430)	1:408:A:ASN:HA	1:408:A:ASN:HB2	5	0.48
(1,1412)	1:404:A:GLU:HA	1:405:A:SER:HB3	10	0.48
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	11	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	1	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	1	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	1	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	3	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	3	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	3	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	4	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	4	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	4	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	6	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	6	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	6	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	7	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	7	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	8	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	8	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	8	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	9	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	9	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	9	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	10	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	10	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	10	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	11	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	11	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	11	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	12	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	12	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	12	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	13	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	13	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	13	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	14	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	14	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	14	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	15	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	15	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	15	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	16	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	16	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	16	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	17	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	17	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	17	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	18	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	18	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	18	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	19	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	19	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	19	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD21	20	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD22	20	0.48
(1,1375)	1:453:A:LEU:HG	1:453:A:LEU:HD23	20	0.48
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	12	0.48
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	1	0.48
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	3	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	4	0.48
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	5	0.48
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	6	0.48
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	8	0.48
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	14	0.48
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	16	0.48
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	17	0.48
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	18	0.48
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	19	0.48
(1,1263)	1:427:A:PRO:HD3	1:427:A:PRO:HG3	20	0.48
(1,1252)	1:450:A:MET:HG3	1:450:A:MET:HA	19	0.48
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	12	0.48
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	5	0.48
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	20	0.48
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	1	0.48
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	2	0.48
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	3	0.48
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	4	0.48
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	5	0.48
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	7	0.48
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	8	0.48
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	11	0.48
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	12	0.48
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	13	0.48
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	14	0.48
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	16	0.48
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	17	0.48
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	18	0.48
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	19	0.48
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	15	0.48
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	2	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	2	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	2	0.48
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	3	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	3	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	3	0.48
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	4	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	4	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	4	0.48
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	5	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	5	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	6	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	6	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	6	0.48
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	7	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	7	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	7	0.48
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	8	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	8	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	8	0.48
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	9	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	9	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	9	0.48
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	10	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	10	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	10	0.48
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	11	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	11	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	11	0.48
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	13	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	13	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	13	0.48
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	15	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	15	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	15	0.48
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	16	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	16	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	16	0.48
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	17	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	17	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	17	0.48
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	18	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	18	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	18	0.48
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	19	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	19	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	19	0.48
(1,1141)	1:368:A:ILE:HG21	1:368:A:ILE:HB	20	0.48
(1,1141)	1:368:A:ILE:HG22	1:368:A:ILE:HB	20	0.48
(1,1141)	1:368:A:ILE:HG23	1:368:A:ILE:HB	20	0.48
(1,1113)	1:445:A:THR:HA	1:444:A:ASN:HB2	9	0.48
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	13	0.48
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	15	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	1	0.48
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	15	0.48
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	20	0.48
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	17	0.48
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	15	0.48
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	15	0.48
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	15	0.48
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD11	19	0.48
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD12	19	0.48
(1,1036)	1:433:A:LEU:HG	1:433:A:LEU:HD13	19	0.48
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	13	0.48
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	13	0.48
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	13	0.48
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	16	0.48
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	16	0.48
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	16	0.48
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	6	0.48
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	7	0.48
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	12	0.48
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	15	0.48
(1,998)	1:392:A:THR:HA	1:392:A:THR:H	17	0.48
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	6	0.48
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	6	0.48
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	6	0.48
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	10	0.48
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	10	0.48
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	10	0.48
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	16	0.48
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	16	0.48
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	16	0.48
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	8	0.48
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	9	0.48
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	15	0.48
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	19	0.48
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	8	0.48
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	8	0.48
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	8	0.48
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	18	0.48
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	18	0.48
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	18	0.48
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	2	0.48
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	6	0.48
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	12	0.48
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	15	0.48
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	15	0.48
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	15	0.48
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	19	0.48
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	19	0.48
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	19	0.48
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	5	0.48
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	8	0.48
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	10	0.48
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	11	0.48
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	14	0.48
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	15	0.48
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	15	0.48
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	15	0.48
(1,793)	1:406:A:PRO:HB3	1:406:A:PRO:HA	16	0.48
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	2	0.48
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	11	0.48
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	2	0.48
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	2	0.48
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	2	0.48
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	9	0.48
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	9	0.48
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	16	0.48
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	16	0.48
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	19	0.48
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	19	0.48
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	3	0.48
(1,671)	1:399:A:ASP:HB3	1:400:A:GLY:HA3	12	0.48
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	1	0.48
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	6	0.48
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	16	0.48
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	17	0.48
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	2	0.48
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	15	0.48
(1,634)	1:456:A:MET:HE1	1:456:A:MET:HG2	9	0.48
(1,634)	1:456:A:MET:HE2	1:456:A:MET:HG2	9	0.48
(1,634)	1:456:A:MET:HE3	1:456:A:MET:HG2	9	0.48
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	1	0.48
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	3	0.48
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	5	0.48
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	6	0.48
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	8	0.48
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	14	0.48
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	16	0.48
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	17	0.48
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	18	0.48
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	19	0.48
(1,609)	1:427:A:PRO:HG3	1:427:A:PRO:HD3	20	0.48
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	4	0.48
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	9	0.48
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	12	0.48
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	14	0.48
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	5	0.48
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	19	0.48
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	5	0.48
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	11	0.48
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	13	0.48
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	15	0.48
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	10	0.48
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	5	0.48
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	16	0.48
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	2	0.48
(1,388)	1:415:A:TRP:HB3	1:415:A:TRP:HA	10	0.48
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	6	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	2	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	2	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	2	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	3	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	3	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	3	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	4	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	4	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	4	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	5	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	5	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	5	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	6	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	6	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	6	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	7	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	7	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	8	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	8	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	8	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	9	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	9	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	9	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	10	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	10	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	10	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	11	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	11	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	11	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	13	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	13	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	13	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	15	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	15	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	15	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	16	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	16	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	16	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	17	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	17	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	17	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	18	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	18	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	18	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	19	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	19	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	19	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG21	20	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG22	20	0.48
(1,338)	1:368:A:ILE:HB	1:368:A:ILE:HG23	20	0.48
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	4	0.48
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	13	0.48
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	15	0.48
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	17	0.48
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	19	0.48
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	10	0.48
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	7	0.48
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	9	0.48
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	16	0.48
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	18	0.48
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	19	0.48
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG21	19	0.48
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG22	19	0.48
(1,239)	1:420:A:ILE:HB	1:420:A:ILE:HG23	19	0.48
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	1	0.48
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	4	0.48
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	8	0.48
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	10	0.48
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	11	0.48
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	13	0.48
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	14	0.48
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	15	0.48
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	16	0.48
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	17	0.48
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	18	0.48
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	19	0.48
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	20	0.48
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	1	0.48
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	1	0.48
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	1	0.48
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	1	0.48
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	1	0.48
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	1	0.48
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	1	0.48
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	1	0.48
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	1	0.48
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	7	0.48
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	7	0.48
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	7	0.48
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	7	0.48
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	7	0.48
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	7	0.48
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	7	0.48
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	7	0.48
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	7	0.48
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	8	0.48
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	8	0.48
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	8	0.48
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	8	0.48
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	8	0.48
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	8	0.48
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	8	0.48
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	8	0.48
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	19	0.48
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	19	0.48
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	19	0.48
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	19	0.48
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	19	0.48
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	19	0.48
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	19	0.48
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	19	0.48
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	19	0.48
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	1	0.48
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	2	0.48
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	3	0.48
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	4	0.48
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	5	0.48
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	7	0.48
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	8	0.48
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	11	0.48
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	12	0.48
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	13	0.48
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	14	0.48
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	16	0.48
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	17	0.48
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	18	0.48
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	19	0.48
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	1	0.48
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	2	0.48
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	2	0.48
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	2	0.48
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	5	0.48
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	5	0.48
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	5	0.48
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	11	0.48
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	11	0.48
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	11	0.48
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	16	0.48
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	16	0.48
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	6	0.48
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	6	0.48
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	6	0.48
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	6	0.48
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	6	0.48
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	6	0.48
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	6	0.48
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	6	0.48
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	6	0.48
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	11	0.48
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	11	0.48
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	11	0.48
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	11	0.48
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	11	0.48
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	11	0.48
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	11	0.48
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	11	0.48
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	11	0.48
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	2	0.48
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	2	0.48
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	2	0.48
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	5	0.48
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	5	0.48
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	5	0.48
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	15	0.48
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	15	0.48
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	15	0.48
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	17	0.48
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	19	0.48
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	10	0.47
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	15	0.47
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	7	0.47
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	6	0.47
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	9	0.47
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	15	0.47
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	17	0.47
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	1	0.47
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	3	0.47
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	5	0.47
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	7	0.47
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	8	0.47
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	13	0.47
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	17	0.47
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	20	0.47
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE1	2	0.47
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE2	2	0.47
(1,4948)	1:426:A:GLN:HE21	1:437:A:ARG:HA	16	0.47
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	2	0.47
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	10	0.47
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	19	0.47
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	1	0.47
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	3	0.47
(1,4880)	1:424:A:ASP:H	1:423:A:SER:HA	16	0.47
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	14	0.47
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	14	0.47
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	14	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	1	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	2	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	3	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	4	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	6	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	7	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	8	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	9	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	10	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	11	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	12	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	13	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	14	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	15	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	16	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	17	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	18	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	19	0.47
(1,4859)	1:351:A:ASN:HD22	1:351:A:ASN:HD21	20	0.47
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	4	0.47
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	11	0.47
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	12	0.47
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	3	0.47
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	5	0.47
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	2	0.47
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	5	0.47
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	4	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	2	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	2	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	2	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	4	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	4	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	4	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	8	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	8	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	8	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	12	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	12	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	12	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	13	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	13	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	13	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	14	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	14	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	14	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	15	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	15	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	15	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	17	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	17	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	17	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	19	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	19	0.47
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	19	0.47
(1,4632)	1:385:A:TRP:HE1	1:412:A:PRO:HB2	18	0.47
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	14	0.47
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	1	0.47
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	3	0.47
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	5	0.47
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	19	0.47
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	20	0.47
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	3	0.47
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	9	0.47
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	13	0.47
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	17	0.47
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	18	0.47
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	19	0.47
(1,4511)	1:355:A:TRP:H	1:354:A:MET:HG2	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	6	0.47
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	8	0.47
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	11	0.47
(1,4416)	1:361:A:LYS:H	1:362:A:VAL:H	6	0.47
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	1	0.47
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	5	0.47
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	9	0.47
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	11	0.47
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	18	0.47
(1,4408)	1:349:A:LEU:H	1:348:A:ASP:HA	3	0.47
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	4	0.47
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	9	0.47
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	18	0.47
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	6	0.47
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	13	0.47
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	17	0.47
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	18	0.47
(1,4345)	1:401:A:THR:H	1:397:A:ASN:HB2	17	0.47
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	2	0.47
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	9	0.47
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	11	0.47
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	19	0.47
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	3	0.47
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	4	0.47
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	6	0.47
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	11	0.47
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	6	0.47
(1,4228)	1:357:A:TYR:H	1:356:A:TYR:HA	13	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	1	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	2	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	3	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	4	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	6	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	7	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	8	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	9	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	10	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	11	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	12	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	13	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	14	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	15	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	16	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	17	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	18	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	19	0.47
(1,4181)	1:351:A:ASN:HD21	1:351:A:ASN:HD22	20	0.47
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	8	0.47
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	2	0.47
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	10	0.47
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	9	0.47
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	11	0.47
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	16	0.47
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	2	0.47
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	19	0.47
(1,4090)	1:442:A:CYS:H	1:371:A:GLY:HA3	10	0.47
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	1	0.47
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	5	0.47
(1,4070)	1:433:A:LEU:H	1:433:A:LEU:HB2	10	0.47
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	16	0.47
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	16	0.47
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	7	0.47
(1,4033)	1:425:A:TRP:HE1	1:423:A:SER:HB2	6	0.47
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	8	0.47
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	11	0.47
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	13	0.47
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	14	0.47
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	7	0.47
(1,3929)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	6	0.47
(1,3856)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	19	0.47
(1,3856)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	19	0.47
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	14	0.47
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	11	0.47
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	18	0.47
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	7	0.47
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	7	0.47
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	7	0.47
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	7	0.47
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	7	0.47
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	7	0.47
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	12	0.47
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	12	0.47
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	12	0.47
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	12	0.47
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	12	0.47
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	3	0.47
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	9	0.47
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	13	0.47
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	2	0.47
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	10	0.47
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	17	0.47
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	3	0.47
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	3	0.47
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	20	0.47
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	20	0.47
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	16	0.47
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	16	0.47
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	16	0.47
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	4	0.47
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	4	0.47
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	4	0.47
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	8	0.47
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	8	0.47
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	8	0.47
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	1	0.47
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	4	0.47
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	6	0.47
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	10	0.47
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	14	0.47
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	17	0.47
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	18	0.47
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	20	0.47
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	15	0.47
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	5	0.47
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	5	0.47
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	5	0.47
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	9	0.47
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	9	0.47
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	9	0.47
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	13	0.47
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	13	0.47
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	13	0.47
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	8	0.47
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	8	0.47
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	13	0.47
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	13	0.47
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	13	0.47
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	6	0.47
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	2	0.47
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	20	0.47
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	20	0.47
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	20	0.47
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	13	0.47
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	17	0.47
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	20	0.47
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	17	0.47
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	1	0.47
(1,3429)	1:424:A:ASP:HB3	1:424:A:ASP:HB2	16	0.47
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	4	0.47
(1,3377)	1:402:A:PRO:HD3	1:402:A:PRO:HA	4	0.47
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	3	0.47
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	1	0.47
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	5	0.47
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	9	0.47
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	14	0.47
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	17	0.47
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	20	0.47
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	3	0.47
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	7	0.47
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	14	0.47
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	18	0.47
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	2	0.47
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	10	0.47
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	15	0.47
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	17	0.47
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD21	3	0.47
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD22	3	0.47
(1,3291)	1:442:A:CYS:HB3	1:393:A:LEU:HD23	3	0.47
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	2	0.47
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	2	0.47
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	2	0.47
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	5	0.47
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	5	0.47
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	5	0.47
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	14	0.47
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	14	0.47
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	13	0.47
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	5	0.47
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	20	0.47
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	8	0.47
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	14	0.47
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	15	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	1	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	2	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	3	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	4	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	5	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	6	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	7	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	8	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	9	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	10	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	11	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	12	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	13	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	14	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	15	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	16	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	18	0.47
(1,3171)	1:445:A:THR:HA	1:445:A:THR:HB	20	0.47
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	12	0.47
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	8	0.47
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	12	0.47
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	19	0.47
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	20	0.47
(1,3146)	1:358:A:LYS:HB3	1:358:A:LYS:HD2	2	0.47
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	17	0.47
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	8	0.47
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	9	0.47
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	19	0.47
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	12	0.47
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	16	0.47
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	6	0.47
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	7	0.47
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	16	0.47
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	16	0.47
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	4	0.47
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	4	0.47
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	14	0.47
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	14	0.47
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	14	0.47
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	14	0.47
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	14	0.47
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	14	0.47
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	14	0.47
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	14	0.47
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	14	0.47
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	7	0.47
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	7	0.47
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	7	0.47
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	17	0.47
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	17	0.47
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	17	0.47
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	18	0.47
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	18	0.47
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	18	0.47
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	12	0.47
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	2	0.47
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	3	0.47
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	4	0.47
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	7	0.47
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	8	0.47
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	9	0.47
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	12	0.47
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	14	0.47
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	17	0.47
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	20	0.47
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	4	0.47
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	20	0.47
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	20	0.47
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	20	0.47
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	20	0.47
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	20	0.47
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	20	0.47
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	8	0.47
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	15	0.47
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	7	0.47
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	20	0.47
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	6	0.47
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	7	0.47
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	13	0.47
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	15	0.47
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	18	0.47
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	20	0.47
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	6	0.47
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	8	0.47
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	11	0.47
(1,2474)	1:412:A:PRO:HD3	1:412:A:PRO:HB3	16	0.47
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	3	0.47
(1,2469)	1:453:A:LEU:HG	1:453:A:LEU:HA	19	0.47
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	6	0.47
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	13	0.47
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	3	0.47
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	18	0.47
(1,2419)	1:387:A:LYS:HG3	1:387:A:LYS:H	9	0.47
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	2	0.47
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	4	0.47
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	13	0.47
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	14	0.47
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	16	0.47
(1,2276)	1:356:A:TYR:HB2	1:356:A:TYR:H	18	0.47
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	2	0.47
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	2	0.47
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	2	0.47
(1,2234)	1:362:A:VAL:HG21	1:364:A:LEU:H	13	0.47
(1,2234)	1:362:A:VAL:HG22	1:364:A:LEU:H	13	0.47
(1,2234)	1:362:A:VAL:HG23	1:364:A:LEU:H	13	0.47
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	2	0.47
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	11	0.47
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	12	0.47
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	1	0.47
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	2	0.47
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	5	0.47
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	17	0.47
(1,2139)	1:409:A:TYR:HA	1:408:A:ASN:HB2	5	0.47
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	12	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	1	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	1	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	1	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	2	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	2	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	2	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	3	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	3	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	3	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	4	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	4	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	4	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	5	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	5	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	5	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	6	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	6	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	6	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	7	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	7	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	7	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	8	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	8	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	8	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	9	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	9	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	9	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	10	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	10	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	10	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	11	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	11	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	11	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	12	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	12	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	12	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	13	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	13	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	13	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	14	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	14	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	14	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	15	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	15	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	15	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	16	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	16	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	16	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	17	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	17	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	17	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	18	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	18	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	18	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	19	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	19	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	19	0.47
(1,2114)	1:347:A:VAL:HG11	1:347:A:VAL:HB	20	0.47
(1,2114)	1:347:A:VAL:HG12	1:347:A:VAL:HB	20	0.47
(1,2114)	1:347:A:VAL:HG13	1:347:A:VAL:HB	20	0.47
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	8	0.47
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	10	0.47
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	19	0.47
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	20	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	1	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	1	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	1	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	2	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	2	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	2	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	3	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	3	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	3	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	4	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	4	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	4	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	5	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	5	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	5	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	6	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	6	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	6	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	7	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	7	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	7	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	8	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	8	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	9	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	9	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	9	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	10	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	10	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	10	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	11	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	11	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	11	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	12	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	12	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	12	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	13	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	13	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	13	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	14	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	14	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	14	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	15	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	15	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	15	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	16	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	16	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	16	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	17	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	17	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	17	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	18	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	18	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	18	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	19	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	19	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	19	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG21	20	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG22	20	0.47
(1,1972)	1:445:A:THR:HB	1:445:A:THR:HG23	20	0.47
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	1	0.47
(1,1968)	1:424:A:ASP:HB2	1:424:A:ASP:HB3	16	0.47
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	2	0.47
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	2	0.47
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	2	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	4	0.47
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	4	0.47
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	4	0.47
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	8	0.47
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	8	0.47
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	8	0.47
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	19	0.47
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	19	0.47
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	19	0.47
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	4	0.47
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	5	0.47
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	15	0.47
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	4	0.47
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	18	0.47
(1,1760)	1:372:A:LYS:HB3	1:372:A:LYS:HD2	11	0.47
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	7	0.47
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	5	0.47
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	5	0.47
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	5	0.47
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	11	0.47
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	11	0.47
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	11	0.47
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	4	0.47
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	12	0.47
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	6	0.47
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	7	0.47
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	8	0.47
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	14	0.47
(1,1589)	1:358:A:LYS:HA	1:357:A:TYR:HA	16	0.47
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	1	0.47
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	4	0.47
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	8	0.47
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	9	0.47
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	15	0.47
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	18	0.47
(1,1585)	1:410:A:TRP:HB3	1:410:A:TRP:HA	20	0.47
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	2	0.47
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	6	0.47
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	17	0.47
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	19	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	1	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	1	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	1	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	2	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	2	0.47
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	2	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	3	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	3	0.47
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	3	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	4	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	4	0.47
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	4	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	5	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	5	0.47
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	5	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	6	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	6	0.47
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	6	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	7	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	7	0.47
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	7	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	8	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	8	0.47
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	8	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	9	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	9	0.47
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	9	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	10	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	10	0.47
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	10	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	11	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	11	0.47
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	11	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	12	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	12	0.47
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	12	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	13	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	13	0.47
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	13	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	15	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	15	0.47
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	15	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	16	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	16	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	16	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	17	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	17	0.47
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	17	0.47
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	18	0.47
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	18	0.47
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	18	0.47
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	1	0.47
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	1	0.47
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	1	0.47
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	8	0.47
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	8	0.47
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	8	0.47
(1,1477)	1:413:A:ILE:HG21	1:413:A:ILE:HB	19	0.47
(1,1477)	1:413:A:ILE:HG22	1:413:A:ILE:HB	19	0.47
(1,1477)	1:413:A:ILE:HG23	1:413:A:ILE:HB	19	0.47
(1,1430)	1:408:A:ASN:HA	1:408:A:ASN:HB2	16	0.47
(1,1412)	1:404:A:GLU:HA	1:405:A:SER:HB3	5	0.47
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	2	0.47
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	9	0.47
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	6	0.47
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	18	0.47
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	2	0.47
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	3	0.47
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	5	0.47
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	7	0.47
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	12	0.47
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	13	0.47
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	19	0.47
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	19	0.47
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	19	0.47
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	19	0.47
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	19	0.47
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	19	0.47
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	19	0.47
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	19	0.47
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	19	0.47
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	16	0.47
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	1	0.47
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	1	0.47
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	1	0.47
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	12	0.47
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	12	0.47
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	20	0.47
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	20	0.47
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	20	0.47
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	7	0.47
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	9	0.47
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	12	0.47
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	15	0.47
(1,1195)	1:376:A:PRO:HG3	1:376:A:PRO:HD3	9	0.47
(1,1180)	1:427:A:PRO:HD2	1:428:A:GLU:H	18	0.47
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	8	0.47
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	11	0.47
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	1	0.47
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	3	0.47
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	8	0.47
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	12	0.47
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	14	0.47
(1,1056)	1:446:A:PRO:HG3	1:366:A:THR:HG1	10	0.47
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	4	0.47
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	18	0.47
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	19	0.47
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	3	0.47
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	3	0.47
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	3	0.47
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	5	0.47
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	5	0.47
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	5	0.47
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	6	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	1	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	1	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	1	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	2	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	2	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	2	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	3	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	3	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	3	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	4	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	4	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	4	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	5	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	5	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	6	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	6	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	6	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	7	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	7	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	7	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	8	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	8	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	8	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	9	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	9	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	9	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	10	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	10	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	10	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	11	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	11	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	11	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	12	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	12	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	12	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	13	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	13	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	13	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	14	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	14	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	14	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	15	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	15	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	15	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	16	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	16	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	16	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	17	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	17	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	17	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	18	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	18	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	18	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	19	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	19	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	19	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG11	20	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG12	20	0.47
(1,949)	1:347:A:VAL:HB	1:347:A:VAL:HG13	20	0.47
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	7	0.47
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	7	0.47
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	7	0.47
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	16	0.47
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	16	0.47
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	16	0.47
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	20	0.47
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	20	0.47
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	20	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	1	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	1	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	1	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	2	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	2	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	2	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	3	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	3	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	3	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	4	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	4	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	4	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	5	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	5	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	5	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	6	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	6	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	6	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	7	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	7	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	7	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	8	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	8	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	8	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	9	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	9	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	9	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	10	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	10	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	11	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	11	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	11	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	12	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	12	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	12	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	13	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	13	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	13	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	14	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	14	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	14	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	15	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	15	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	15	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	16	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	16	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	16	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	17	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	17	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	17	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	18	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	18	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	18	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	19	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	19	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	19	0.47
(1,877)	1:445:A:THR:HG21	1:445:A:THR:HB	20	0.47
(1,877)	1:445:A:THR:HG22	1:445:A:THR:HB	20	0.47
(1,877)	1:445:A:THR:HG23	1:445:A:THR:HB	20	0.47
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	3	0.47
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	4	0.47
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	10	0.47
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	12	0.47
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	16	0.47
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	17	0.47
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	18	0.47
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	4	0.47
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	4	0.47
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:397:A:ASN:HA	1:397:A:ASN:HD21	6	0.47
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	7	0.47
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	13	0.47
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	12	0.47
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	12	0.47
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	12	0.47
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	13	0.47
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	17	0.47
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	20	0.47
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	15	0.47
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD11	10	0.47
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD12	10	0.47
(1,802)	1:392:A:THR:HA	1:393:A:LEU:HD13	10	0.47
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	1	0.47
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	6	0.47
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	8	0.47
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	14	0.47
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	15	0.47
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	17	0.47
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	18	0.47
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	19	0.47
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	20	0.47
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	5	0.47
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	5	0.47
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	16	0.47
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	16	0.47
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	16	0.47
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	16	0.47
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	16	0.47
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	16	0.47
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	16	0.47
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	16	0.47
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	16	0.47
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	10	0.47
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	11	0.47
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	11	0.47
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	14	0.47
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	14	0.47
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	6	0.47
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	4	0.47
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	4	0.47
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	2	0.47
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	11	0.47
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	13	0.47
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	14	0.47
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	15	0.47
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	20	0.47
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	5	0.47
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	7	0.47
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	10	0.47
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	11	0.47
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	13	0.47
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	14	0.47
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	16	0.47
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	18	0.47
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	19	0.47
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	4	0.47
(1,648)	1:367:A:ASP:HA	1:367:A:ASP:HB3	8	0.47
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	10	0.47
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	10	0.47
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	15	0.47
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	20	0.47
(1,537)	1:433:A:LEU:HA	1:434:A:TRP:HB3	6	0.47
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	7	0.47
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	17	0.47
(1,488)	1:451:A:LYS:HE3	1:451:A:LYS:HB2	8	0.47
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	4	0.47
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	5	0.47
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	15	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	1	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	1	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	1	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	2	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	2	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	2	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	3	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	3	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	3	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	4	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	4	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	4	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	5	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	5	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	6	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	6	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	6	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	7	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	7	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	7	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	8	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	8	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	8	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	9	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	9	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	9	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	10	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	10	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	10	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	11	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	11	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	11	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	12	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	12	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	12	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	13	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	13	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	13	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	15	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	15	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	15	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	16	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	16	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	16	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	17	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	17	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	17	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	18	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	18	0.47
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	18	0.47
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	2	0.47
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	6	0.47
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	7	0.47
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	2	0.47
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	7	0.47
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	10	0.47
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	12	0.47
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	13	0.47
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	14	0.47
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	16	0.47
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	17	0.47
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	19	0.47
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	20	0.47
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	10	0.47
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	1	0.47
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	3	0.47
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	5	0.47
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	8	0.47
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	9	0.47
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	10	0.47
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	11	0.47
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	12	0.47
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	16	0.47
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	20	0.47
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	3	0.47
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	5	0.47
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	13	0.47
(1,318)	1:407:A:VAL:HA	1:408:A:ASN:HB3	14	0.47
(1,318)	1:407:A:VAL:HA	1:408:A:ASN:HB3	15	0.47
(1,318)	1:407:A:VAL:HA	1:408:A:ASN:HB3	20	0.47
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	2	0.47
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	6	0.47
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	10	0.47
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	11	0.47
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	19	0.47
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	1	0.47
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	3	0.47
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	4	0.47
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	5	0.47
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	6	0.47
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	7	0.47
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	8	0.47
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	9	0.47
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	10	0.47
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	11	0.47
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	14	0.47
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	15	0.47
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	2	0.47
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	5	0.47
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	12	0.47
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	14	0.47
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	14	0.47
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	14	0.47
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	14	0.47
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	14	0.47
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	14	0.47
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	14	0.47
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	14	0.47
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	14	0.47
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	15	0.47
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	15	0.47
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	15	0.47
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	15	0.47
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	15	0.47
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	15	0.47
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	15	0.47
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	15	0.47
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	15	0.47
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	20	0.47
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	20	0.47
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	20	0.47
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	20	0.47
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	20	0.47
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	20	0.47
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	20	0.47
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	20	0.47
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	20	0.47
(1,172)	1:376:A:PRO:HD3	1:376:A:PRO:HG3	9	0.47
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	3	0.47
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	4	0.47
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	10	0.47
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	18	0.47
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	19	0.47
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	20	0.47
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG21	9	0.47
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG22	9	0.47
(1,117)	1:463:A:VAL:HB	1:463:A:VAL:HG23	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	15	0.47
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	15	0.47
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	15	0.47
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	15	0.47
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	15	0.47
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	15	0.47
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	15	0.47
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	15	0.47
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	15	0.47
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	18	0.47
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	18	0.47
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	18	0.47
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	18	0.47
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	18	0.47
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	18	0.47
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	18	0.47
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	18	0.47
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	18	0.47
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	1	0.47
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	1	0.47
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	1	0.47
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	6	0.47
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	6	0.47
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	6	0.47
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	8	0.47
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	8	0.47
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	8	0.47
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	15	0.47
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	15	0.47
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	15	0.47
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	18	0.47
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	18	0.47
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	18	0.47
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	6	0.47
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	6	0.47
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	6	0.47
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	1	0.47
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	2	0.47
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	3	0.47
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	4	0.47
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	5	0.47
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	7	0.47
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	8	0.47
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	9	0.47
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	10	0.47
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	11	0.47
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	12	0.47
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	13	0.47
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	14	0.47
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	15	0.47
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	16	0.47
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	18	0.47
(1,34)	1:445:A:THR:HB	1:445:A:THR:HA	20	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	1	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	1	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	1	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	2	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	2	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	2	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	3	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	3	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	3	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	4	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	4	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	4	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	5	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	5	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	5	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	6	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	6	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	6	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	7	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	7	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	7	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	8	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	8	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	8	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	9	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	9	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	9	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	10	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	10	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	11	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	11	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	11	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	12	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	12	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	12	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	13	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	13	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	13	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	14	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	14	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	14	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	15	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	15	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	15	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	16	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	16	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	16	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	17	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	17	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	17	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	18	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	18	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	18	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	19	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	19	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	19	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG21	20	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG22	20	0.47
(1,20)	1:345:A:ILE:HB	1:345:A:ILE:HG23	20	0.47
(1,4)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	16	0.47
(1,5000)	1:358:A:LYS:H	1:358:A:LYS:HG2	7	0.46
(1,4990)	1:393:A:LEU:H	1:392:A:THR:HA	10	0.46
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	2	0.46
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	9	0.46
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	11	0.46
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	12	0.46
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	14	0.46
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	15	0.46
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	16	0.46
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	18	0.46
(1,4971)	1:379:A:ALA:H	1:378:A:PRO:HA	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4965)	1:408:A:ASN:H	1:408:A:ASN:HD22	10	0.46
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	13	0.46
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	19	0.46
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	12	0.46
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	3	0.46
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	20	0.46
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	17	0.46
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	17	0.46
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	17	0.46
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	14	0.46
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	7	0.46
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	14	0.46
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	15	0.46
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	16	0.46
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	6	0.46
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	7	0.46
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	14	0.46
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	19	0.46
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	19	0.46
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	14	0.46
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	17	0.46
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	3	0.46
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	3	0.46
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	3	0.46
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	5	0.46
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	5	0.46
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	5	0.46
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	6	0.46
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	6	0.46
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	6	0.46
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	7	0.46
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	7	0.46
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	7	0.46
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	9	0.46
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	9	0.46
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	9	0.46
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	7	0.46
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	9	0.46
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	4	0.46
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	6	0.46
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	10	0.46
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	12	0.46
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	1	0.46
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	2	0.46
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	2	0.46
(1,4456)	1:397:A:ASN:HD21	1:403:A:TYR:HB3	6	0.46
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	5	0.46
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	11	0.46
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	2	0.46
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	3	0.46
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	8	0.46
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	10	0.46
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	17	0.46
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	2	0.46
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	6	0.46
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	7	0.46
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	15	0.46
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	20	0.46
(1,4349)	1:419:A:GLY:H	1:442:A:CYS:HA	6	0.46
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	1	0.46
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	3	0.46
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	6	0.46
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	7	0.46
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	8	0.46
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	10	0.46
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	13	0.46
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	14	0.46
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	15	0.46
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	16	0.46
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	17	0.46
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	18	0.46
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	20	0.46
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	2	0.46
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	2	0.46
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	2	0.46
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	8	0.46
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	13	0.46
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	17	0.46
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	20	0.46
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	20	0.46
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	4	0.46
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	13	0.46
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	20	0.46
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	14	0.46
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	15	0.46
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	13	0.46
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	19	0.46
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	20	0.46
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	12	0.46
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	1	0.46
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	9	0.46
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	15	0.46
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	17	0.46
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	4	0.46
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	8	0.46
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	14	0.46
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	18	0.46
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	19	0.46
(1,3856)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	8	0.46
(1,3856)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	8	0.46
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	18	0.46
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	4	0.46
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	12	0.46
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	17	0.46
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	17	0.46
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	17	0.46
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	17	0.46
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	17	0.46
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	17	0.46
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	12	0.46
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	17	0.46
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	19	0.46
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	20	0.46
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	20	0.46
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	20	0.46
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	20	0.46
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	20	0.46
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	20	0.46
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	6	0.46
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	6	0.46
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	1	0.46
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	1	0.46
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	1	0.46
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	1	0.46
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	1	0.46
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	12	0.46
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	12	0.46
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	12	0.46
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	12	0.46
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	12	0.46
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	12	0.46
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	1	0.46
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	1	0.46
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	1	0.46
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	1	0.46
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	13	0.46
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	13	0.46
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	11	0.46
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	15	0.46
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	19	0.46
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	3	0.46
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	9	0.46
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD21	17	0.46
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD22	17	0.46
(1,3502)	1:433:A:LEU:HB3	1:433:A:LEU:HD23	17	0.46
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	1	0.46
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	1	0.46
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	1	0.46
(1,3490)	1:459:A:LYS:HG3	1:459:A:LYS:HA	17	0.46
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	7	0.46
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	10	0.46
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	16	0.46
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	15	0.46
(1,3441)	1:367:A:ASP:HA	1:367:A:ASP:HB2	2	0.46
(1,3441)	1:367:A:ASP:HA	1:367:A:ASP:HB2	16	0.46
(1,3441)	1:367:A:ASP:HA	1:367:A:ASP:HB2	18	0.46
(1,3441)	1:367:A:ASP:HA	1:367:A:ASP:HB2	20	0.46
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	10	0.46
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	15	0.46
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	2	0.46
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	4	0.46
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	6	0.46
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	7	0.46
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	8	0.46
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	12	0.46
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	13	0.46
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	16	0.46
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	18	0.46
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	5	0.46
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	7	0.46
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	8	0.46
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	14	0.46
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	16	0.46
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	1	0.46
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	1	0.46
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	1	0.46
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	13	0.46
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	13	0.46
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	13	0.46
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	15	0.46
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	16	0.46
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	5	0.46
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	9	0.46
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	18	0.46
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	1	0.46
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	2	0.46
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	6	0.46
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	7	0.46
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	9	0.46
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	12	0.46
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	14	0.46
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	16	0.46
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	17	0.46
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	19	0.46
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	4	0.46
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	9	0.46
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	11	0.46
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	15	0.46
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	18	0.46
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	10	0.46
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	14	0.46
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	2	0.46
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	6	0.46
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	7	0.46
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	10	0.46
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	12	0.46
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	20	0.46
(1,3149)	1:410:A:TRP:HB3	1:410:A:TRP:HZ2	18	0.46
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	1	0.46
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	2	0.46
(1,3021)	1:346:A:GLU:HB3	1:346:A:GLU:HA	6	0.46
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	7	0.46
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	13	0.46
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	6	0.46
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	3	0.46
(1,2976)	1:453:A:LEU:HA	1:456:A:MET:H	5	0.46
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	3	0.46
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	11	0.46
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	19	0.46
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	3	0.46
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	3	0.46
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	3	0.46
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	3	0.46
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	3	0.46
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	3	0.46
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	3	0.46
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	3	0.46
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	3	0.46
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	10	0.46
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	10	0.46
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	10	0.46
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	10	0.46
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	10	0.46
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	10	0.46
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	10	0.46
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	10	0.46
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	10	0.46
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	18	0.46
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	18	0.46
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	18	0.46
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	18	0.46
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	18	0.46
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	18	0.46
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	18	0.46
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	18	0.46
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	18	0.46
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	1	0.46
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	1	0.46
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	15	0.46
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	15	0.46
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	15	0.46
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	1	0.46
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	5	0.46
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	6	0.46
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	11	0.46
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	13	0.46
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	15	0.46
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	16	0.46
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	18	0.46
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	19	0.46
(1,2828)	1:446:A:PRO:HB2	1:446:A:PRO:HD2	10	0.46
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD1	3	0.46
(1,2753)	1:450:A:MET:HE1	1:454:A:PHE:HD2	3	0.46
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD1	3	0.46
(1,2753)	1:450:A:MET:HE2	1:454:A:PHE:HD2	3	0.46
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD1	3	0.46
(1,2753)	1:450:A:MET:HE3	1:454:A:PHE:HD2	3	0.46
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	18	0.46
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	19	0.46
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	11	0.46
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	2	0.46
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	12	0.46
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	3	0.46
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	16	0.46
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	19	0.46
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	18	0.46
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	1	0.46
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	2	0.46
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	5	0.46
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	6	0.46
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	7	0.46
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	8	0.46
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	10	0.46
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	12	0.46
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	13	0.46
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	14	0.46
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	15	0.46
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	16	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	17	0.46
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	18	0.46
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	19	0.46
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	20	0.46
(1,2455)	1:402:A:PRO:HD2	1:402:A:PRO:HB2	1	0.46
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	17	0.46
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	6	0.46
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	12	0.46
(1,2419)	1:387:A:LYS:HG3	1:387:A:LYS:H	14	0.46
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	10	0.46
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	7	0.46
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	7	0.46
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	10	0.46
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	20	0.46
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	12	0.46
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	6	0.46
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	20	0.46
(1,2139)	1:409:A:TYR:HA	1:408:A:ASN:HB2	16	0.46
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	1	0.46
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	2	0.46
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	3	0.46
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	4	0.46
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	5	0.46
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	8	0.46
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	9	0.46
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	10	0.46
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	13	0.46
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	14	0.46
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	15	0.46
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	16	0.46
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	17	0.46
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	18	0.46
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	19	0.46
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	5	0.46
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	13	0.46
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	17	0.46
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	19	0.46
(1,1896)	1:422:A:ASP:HA	1:423:A:SER:HB2	17	0.46
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	1	0.46
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	2	0.46
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	3	0.46
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	6	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	7	0.46
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	8	0.46
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	9	0.46
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	10	0.46
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	11	0.46
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	12	0.46
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	13	0.46
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	14	0.46
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	16	0.46
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	17	0.46
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	18	0.46
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	19	0.46
(1,1894)	1:456:A:MET:HG2	1:456:A:MET:HG3	20	0.46
(1,1668)	1:349:A:LEU:HA	1:349:A:LEU:HB3	12	0.46
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	9	0.46
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	9	0.46
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	9	0.46
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	16	0.46
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	16	0.46
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	16	0.46
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	5	0.46
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	4	0.46
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	4	0.46
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	4	0.46
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	9	0.46
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	9	0.46
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	9	0.46
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	20	0.46
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	20	0.46
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	3	0.46
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	8	0.46
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	11	0.46
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	16	0.46
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	14	0.46
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	14	0.46
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	14	0.46
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	19	0.46
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	19	0.46
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	19	0.46
(1,1491)	1:443:A:ILE:HG21	1:443:A:ILE:HB	20	0.46
(1,1491)	1:443:A:ILE:HG22	1:443:A:ILE:HB	20	0.46
(1,1491)	1:443:A:ILE:HG23	1:443:A:ILE:HB	20	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	16	0.46
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	9	0.46
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	11	0.46
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	14	0.46
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	16	0.46
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	7	0.46
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	14	0.46
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	15	0.46
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	1	0.46
(1,1338)	1:393:A:LEU:HB3	1:394:A:LYS:H	8	0.46
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	6	0.46
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	16	0.46
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	17	0.46
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	11	0.46
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	11	0.46
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	11	0.46
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	11	0.46
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	11	0.46
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	11	0.46
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	11	0.46
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	11	0.46
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	11	0.46
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	4	0.46
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	4	0.46
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	4	0.46
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	1	0.46
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	3	0.46
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	10	0.46
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	16	0.46
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	18	0.46
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	2	0.46
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	2	0.46
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	2	0.46
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	2	0.46
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	2	0.46
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	2	0.46
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	5	0.46
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	5	0.46
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	5	0.46
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	5	0.46
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	5	0.46
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	4	0.46
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	20	0.46
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	4	0.46
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	7	0.46
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	17	0.46
(1,1081)	1:418:A:VAL:HB	1:418:A:VAL:H	19	0.46
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	20	0.46
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	2	0.46
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	2	0.46
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	2	0.46
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	4	0.46
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	4	0.46
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	4	0.46
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	11	0.46
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	11	0.46
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	11	0.46
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	1	0.46
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	2	0.46
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	3	0.46
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	5	0.46
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	7	0.46
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	8	0.46
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	9	0.46
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	10	0.46
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	11	0.46
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	14	0.46
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	17	0.46
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	19	0.46
(1,993)	1:358:A:LYS:HG2	1:358:A:LYS:HD3	2	0.46
(1,993)	1:358:A:LYS:HG2	1:358:A:LYS:HD3	12	0.46
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	12	0.46
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	12	0.46
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	12	0.46
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	8	0.46
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	8	0.46
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	8	0.46
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	14	0.46
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	14	0.46
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	14	0.46
(1,876)	1:435:A:LYS:HA	1:436:A:THR:H	1	0.46
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	5	0.46
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	18	0.46
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	18	0.46
(1,817)	1:355:A:TRP:HA	1:356:A:TYR:HB3	9	0.46
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	3	0.46
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	4	0.46
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	5	0.46
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	7	0.46
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	9	0.46
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	10	0.46
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	12	0.46
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	13	0.46
(1,780)	1:427:A:PRO:HA	1:427:A:PRO:HG3	16	0.46
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	16	0.46
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	16	0.46
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	3	0.46
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	3	0.46
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD1	12	0.46
(1,683)	1:466:A:PHE:HB2	1:466:A:PHE:HD2	12	0.46
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	11	0.46
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	12	0.46
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	14	0.46
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	20	0.46
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	3	0.46
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	9	0.46
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	14	0.46
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	16	0.46
(1,581)	1:385:A:TRP:HB3	1:385:A:TRP:H	20	0.46
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	8	0.46
(1,564)	1:408:A:ASN:HB3	1:408:A:ASN:H	5	0.46
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	4	0.46
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	6	0.46
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	8	0.46
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	11	0.46
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	1	0.46
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	2	0.46
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	3	0.46
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	6	0.46
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	7	0.46
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	8	0.46
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	9	0.46
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	10	0.46
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	12	0.46
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	13	0.46
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	14	0.46
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	16	0.46
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	17	0.46
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	18	0.46
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	19	0.46
(1,482)	1:456:A:MET:HG3	1:456:A:MET:HG2	20	0.46
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	14	0.46
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	14	0.46
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	14	0.46
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	19	0.46
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	19	0.46
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	19	0.46
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG21	20	0.46
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG22	20	0.46
(1,474)	1:443:A:ILE:HB	1:443:A:ILE:HG23	20	0.46
(1,471)	1:437:A:ARG:HD3	1:437:A:ARG:HB3	11	0.46
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	1	0.46
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	3	0.46
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	4	0.46
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	8	0.46
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	9	0.46
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	11	0.46
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	15	0.46
(1,468)	1:447:A:PRO:HB2	1:447:A:PRO:HG2	18	0.46
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	16	0.46
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	16	0.46
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	16	0.46
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	11	0.46
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	14	0.46
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	16	0.46
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	1	0.46
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	2	0.46
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	3	0.46
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	4	0.46
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	5	0.46
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	8	0.46
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	9	0.46
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	10	0.46
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	13	0.46
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	14	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	15	0.46
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	16	0.46
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	17	0.46
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	18	0.46
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	19	0.46
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	9	0.46
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	11	0.46
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	13	0.46
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	16	0.46
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	18	0.46
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	2	0.46
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	6	0.46
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	7	0.46
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	10	0.46
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	11	0.46
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	12	0.46
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	20	0.46
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	5	0.46
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	12	0.46
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	14	0.46
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	20	0.46
(1,268)	1:451:A:LYS:HA	1:451:A:LYS:HD2	16	0.46
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	2	0.46
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	18	0.46
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	3	0.46
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	6	0.46
(1,238)	1:456:A:MET:HG3	1:456:A:MET:HB2	7	0.46
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	10	0.46
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	10	0.46
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	10	0.46
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	10	0.46
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	10	0.46
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	10	0.46
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	10	0.46
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	10	0.46
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	10	0.46
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	18	0.46
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	18	0.46
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	18	0.46
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	18	0.46
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	18	0.46
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	18	0.46
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	18	0.46
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	18	0.46
(1,193)	1:394:A:LYS:HB2	1:394:A:LYS:HG3	15	0.46
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	15	0.46
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	17	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	1	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	1	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	1	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	1	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	1	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	1	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	1	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	1	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	1	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	2	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	2	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	2	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	2	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	2	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	2	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	2	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	2	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	2	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	4	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	4	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	4	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	4	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	4	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	4	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	4	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	4	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	4	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	5	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	5	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	5	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	5	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	5	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	5	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	5	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	5	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	9	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	9	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	9	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	9	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	9	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	9	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	9	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	9	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	9	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	10	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	10	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	10	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	10	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	10	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	10	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	10	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	10	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	10	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	13	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	13	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	13	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	13	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	13	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	13	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	13	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	13	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	13	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	14	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	14	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	14	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	14	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	14	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	14	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	14	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	14	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	14	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	20	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	20	0.46
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	20	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	20	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	20	0.46
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	20	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	20	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	20	0.46
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	20	0.46
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	4	0.46
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	4	0.46
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	4	0.46
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	11	0.46
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	11	0.46
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	11	0.46
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	12	0.46
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	12	0.46
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	12	0.46
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	17	0.46
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	17	0.46
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	17	0.46
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	19	0.46
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	19	0.46
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	19	0.46
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	20	0.46
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	20	0.46
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	20	0.46
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	19	0.46
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	2	0.46
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	2	0.46
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	2	0.46
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	8	0.46
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	8	0.46
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	8	0.46
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	14	0.46
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	14	0.46
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	14	0.46
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	18	0.46
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	18	0.46
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	18	0.46
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	20	0.46
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	20	0.46
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	20	0.46
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	5	0.45
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	18	0.45
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	4	0.45
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	20	0.45
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	14	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	9	0.45
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	9	0.45
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	9	0.45
(1,4807)	1:463:A:VAL:H	1:462:A:PRO:HG2	1	0.45
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	2	0.45
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	3	0.45
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	9	0.45
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	10	0.45
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	11	0.45
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	13	0.45
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	14	0.45
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	17	0.45
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	1	0.45
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	4	0.45
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	9	0.45
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	12	0.45
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	13	0.45
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	18	0.45
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	10	0.45
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	17	0.45
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	20	0.45
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	13	0.45
(1,4702)	1:414:A:ASP:H	1:414:A:ASP:HB2	8	0.45
(1,4702)	1:414:A:ASP:H	1:414:A:ASP:HB2	20	0.45
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG11	1	0.45
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG12	1	0.45
(1,4699)	1:457:A:VAL:H	1:457:A:VAL:HG13	1	0.45
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	15	0.45
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	12	0.45
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	2	0.45
(1,4544)	1:363:A:ALA:H	1:362:A:VAL:HB	6	0.45
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	16	0.45
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	8	0.45
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	2	0.45
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	7	0.45
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	13	0.45
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	14	0.45
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	15	0.45
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	19	0.45
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	20	0.45
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	5	0.45
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	14	0.45
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	16	0.45
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	5	0.45
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	7	0.45
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	14	0.45
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	11	0.45
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	13	0.45
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	4	0.45
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	5	0.45
(1,4344)	1:380:A:GLY:H	1:379:A:ALA:HA	12	0.45
(1,4339)	1:372:A:LYS:H	1:372:A:LYS:HG2	20	0.45
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	5	0.45
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	1	0.45
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	4	0.45
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	2	0.45
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	5	0.45
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	9	0.45
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	19	0.45
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	17	0.45
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	1	0.45
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	1	0.45
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	1	0.45
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	6	0.45
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	6	0.45
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	6	0.45
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	10	0.45
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	7	0.45
(1,4034)	1:343:A:THR:H	1:342:A:ASP:HB3	16	0.45
(1,4033)	1:425:A:TRP:HE1	1:423:A:SER:HB2	15	0.45
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	16	0.45
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	17	0.45
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	12	0.45
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	18	0.45
(1,3987)	1:460:A:GLY:H	1:459:A:LYS:HA	19	0.45
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	5	0.45
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	12	0.45
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	13	0.45
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	15	0.45
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	20	0.45
(1,3947)	1:444:A:ASN:H	1:443:A:ILE:HA	4	0.45
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	1	0.45
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	3	0.45
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	5	0.45
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	6	0.45
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	7	0.45
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	9	0.45
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	10	0.45
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	11	0.45
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	12	0.45
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	13	0.45
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	15	0.45
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	16	0.45
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	17	0.45
(1,3892)	1:434:A:TRP:HE3	1:434:A:TRP:HZ3	20	0.45
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	10	0.45
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	10	0.45
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	10	0.45
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	3	0.45
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	5	0.45
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	10	0.45
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	18	0.45
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	14	0.45
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	19	0.45
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	19	0.45
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	19	0.45
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	19	0.45
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	19	0.45
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	19	0.45
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	1	0.45
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	1	0.45
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	1	0.45
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	14	0.45
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	14	0.45
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	14	0.45
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	1	0.45
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	2	0.45
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	3	0.45
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	4	0.45
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	5	0.45
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	6	0.45
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	7	0.45
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	8	0.45
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	10	0.45
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	11	0.45
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	13	0.45
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	14	0.45
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	15	0.45
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	16	0.45
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	18	0.45
(1,3760)	1:410:A:TRP:HZ3	1:410:A:TRP:HH2	20	0.45
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	1	0.45
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	9	0.45
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	10	0.45
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	10	0.45
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	10	0.45
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	2	0.45
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	2	0.45
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	3	0.45
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	3	0.45
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	12	0.45
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	12	0.45
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	19	0.45
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	19	0.45
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	19	0.45
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	19	0.45
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	19	0.45
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	19	0.45
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	7	0.45
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	7	0.45
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	15	0.45
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	15	0.45
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	20	0.45
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	20	0.45
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	2	0.45
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	3	0.45
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	5	0.45
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	9	0.45
(1,3511)	1:358:A:LYS:HA	1:358:A:LYS:H	12	0.45
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	1	0.45
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	7	0.45
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	17	0.45
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	11	0.45
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	14	0.45
(1,3473)	1:343:A:THR:HA	1:344:A:TYR:H	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	8	0.45
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	19	0.45
(1,3441)	1:367:A:ASP:HA	1:367:A:ASP:HB2	13	0.45
(1,3441)	1:367:A:ASP:HA	1:367:A:ASP:HB2	14	0.45
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	5	0.45
(1,3346)	1:387:A:LYS:HB3	1:388:A:GLU:H	15	0.45
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	3	0.45
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	11	0.45
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	15	0.45
(1,3344)	1:447:A:PRO:HA	1:447:A:PRO:HB3	19	0.45
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	11	0.45
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	13	0.45
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	1	0.45
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	3	0.45
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	4	0.45
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	11	0.45
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	19	0.45
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	20	0.45
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	7	0.45
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	7	0.45
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	7	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	1	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	1	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	1	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	4	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	4	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	4	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	6	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	6	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	6	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	10	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	10	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	10	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	11	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	11	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	11	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	16	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	16	0.45
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	16	0.45
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	3	0.45
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	1	0.45
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	14	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	17	0.45
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	4	0.45
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	8	0.45
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	10	0.45
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	13	0.45
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	18	0.45
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	7	0.45
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	19	0.45
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	1	0.45
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	4	0.45
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	8	0.45
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	1	0.45
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	3	0.45
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	4	0.45
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	5	0.45
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	8	0.45
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	9	0.45
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	13	0.45
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	14	0.45
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	15	0.45
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	16	0.45
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	17	0.45
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	18	0.45
(1,3196)	1:428:A:GLU:HB3	1:428:A:GLU:HB2	19	0.45
(1,3146)	1:358:A:LYS:HB3	1:358:A:LYS:HD2	12	0.45
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	5	0.45
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	11	0.45
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	17	0.45
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	7	0.45
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	7	0.45
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	7	0.45
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	12	0.45
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	12	0.45
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	12	0.45
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	3	0.45
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	10	0.45
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	10	0.45
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	13	0.45
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	1	0.45
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	2	0.45
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	6	0.45
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	10	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	14	0.45
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	16	0.45
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	17	0.45
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	20	0.45
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	8	0.45
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	8	0.45
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	8	0.45
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	4	0.45
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	9	0.45
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	14	0.45
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	17	0.45
(1,2893)	1:399:A:ASP:HB2	1:400:A:GLY:H	17	0.45
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	5	0.45
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	5	0.45
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	5	0.45
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	6	0.45
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	6	0.45
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	6	0.45
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	20	0.45
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	20	0.45
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	20	0.45
(1,2832)	1:428:A:GLU:HA	1:428:A:GLU:H	10	0.45
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	1	0.45
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	2	0.45
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	10	0.45
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	14	0.45
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	3	0.45
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	11	0.45
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	20	0.45
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	5	0.45
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	13	0.45
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	19	0.45
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	9	0.45
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	15	0.45
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	2	0.45
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	4	0.45
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	9	0.45
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	19	0.45
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	1	0.45
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	4	0.45
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	16	0.45
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	6	0.45
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	3	0.45
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	4	0.45
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	9	0.45
(1,2486)	1:376:A:PRO:HG2	1:376:A:PRO:HD2	11	0.45
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	6	0.45
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	7	0.45
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	12	0.45
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	4	0.45
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	10	0.45
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	2	0.45
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	2	0.45
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	2	0.45
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	17	0.45
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	17	0.45
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	17	0.45
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	10	0.45
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	20	0.45
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	1	0.45
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	1	0.45
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	1	0.45
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	1	0.45
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	2	0.45
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	3	0.45
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	4	0.45
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	6	0.45
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	7	0.45
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	8	0.45
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	14	0.45
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	15	0.45
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	16	0.45
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	18	0.45
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	19	0.45
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	20	0.45
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	18	0.45
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	18	0.45
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	15	0.45
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	19	0.45
(1,2152)	1:399:A:ASP:HB3	1:399:A:ASP:H	9	0.45
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	20	0.45
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	6	0.45
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	11	0.45
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	12	0.45
(1,2069)	1:437:A:ARG:HD3	1:437:A:ARG:HD2	20	0.45
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	1	0.45
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	6	0.45
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	7	0.45
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	16	0.45
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	19	0.45
(1,1999)	1:365:A:GLU:HG2	1:365:A:GLU:H	6	0.45
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	13	0.45
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	16	0.45
(1,1940)	1:379:A:ALA:HB1	1:378:A:PRO:HA	12	0.45
(1,1940)	1:379:A:ALA:HB2	1:378:A:PRO:HA	12	0.45
(1,1940)	1:379:A:ALA:HB3	1:378:A:PRO:HA	12	0.45
(1,1804)	1:370:A:SER:HB3	1:370:A:SER:H	1	0.45
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	12	0.45
(1,1656)	1:340:A:MET:HA	1:341:A:GLU:H	17	0.45
(1,1631)	1:439:A:SER:HB3	1:440:A:HIS:H	11	0.45
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	14	0.45
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	14	0.45
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	14	0.45
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	4	0.45
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	4	0.45
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	19	0.45
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	19	0.45
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	5	0.45
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	13	0.45
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	15	0.45
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	3	0.45
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	4	0.45
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	6	0.45
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	11	0.45
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	14	0.45
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	12	0.45
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	17	0.45
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	1	0.45
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	5	0.45
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	6	0.45
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	10	0.45
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	12	0.45
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	1	0.45
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	20	0.45
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	12	0.45
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	10	0.45
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	11	0.45
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	19	0.45
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	19	0.45
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	19	0.45
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	19	0.45
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	17	0.45
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	18	0.45
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	4	0.45
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	8	0.45
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	17	0.45
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	2	0.45
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	9	0.45
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	1	0.45
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	2	0.45
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	17	0.45
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	3	0.45
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	12	0.45
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	15	0.45
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	4	0.45
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	4	0.45
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	4	0.45
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	20	0.45
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	7	0.45
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	7	0.45
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	7	0.45
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	4	0.45
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	12	0.45
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	13	0.45
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	15	0.45
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	16	0.45
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	18	0.45
(1,1000)	1:458:A:GLU:HA	1:458:A:GLU:H	20	0.45
(1,993)	1:358:A:LYS:HG2	1:358:A:LYS:HD3	3	0.45
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	14	0.45
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	7	0.45
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	7	0.45
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	7	0.45
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	7	0.45
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	7	0.45
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	7	0.45
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	7	0.45
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	7	0.45
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	14	0.45
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	14	0.45
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	14	0.45
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	14	0.45
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	14	0.45
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	14	0.45
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	14	0.45
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	14	0.45
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	14	0.45
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	3	0.45
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	8	0.45
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	9	0.45
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	2	0.45
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	2	0.45
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	2	0.45
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	7	0.45
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	7	0.45
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	7	0.45
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	9	0.45
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	9	0.45
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	9	0.45
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	14	0.45
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	14	0.45
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	14	0.45
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	19	0.45
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	19	0.45
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	19	0.45
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	1	0.45
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	1	0.45
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	1	0.45
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	2	0.45
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	2	0.45
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	2	0.45
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	11	0.45
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	11	0.45
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	11	0.45
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	17	0.45
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	17	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	17	0.45
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	10	0.45
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	17	0.45
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	17	0.45
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	17	0.45
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	16	0.45
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	11	0.45
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	16	0.45
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	15	0.45
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	15	0.45
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	15	0.45
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	4	0.45
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	1	0.45
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	7	0.45
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	4	0.45
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	5	0.45
(1,663)	1:349:A:LEU:HA	1:349:A:LEU:H	8	0.45
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	8	0.45
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	19	0.45
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	17	0.45
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	4	0.45
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	14	0.45
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	11	0.45
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	16	0.45
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	11	0.45
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	20	0.45
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	1	0.45
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	2	0.45
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	10	0.45
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	12	0.45
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	10	0.45
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	6	0.45
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	7	0.45
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	11	0.45
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	12	0.45
(1,374)	1:437:A:ARG:HD2	1:437:A:ARG:HD3	20	0.45
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	4	0.45
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	8	0.45
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	12	0.45
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	15	0.45
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	17	0.45
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	1	0.45
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	3	0.45
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	4	0.45
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	5	0.45
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	8	0.45
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	9	0.45
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	13	0.45
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	14	0.45
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	15	0.45
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	16	0.45
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	17	0.45
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	18	0.45
(1,350)	1:428:A:GLU:HB2	1:428:A:GLU:HB3	19	0.45
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	7	0.45
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	4	0.45
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	6	0.45
(1,318)	1:407:A:VAL:HA	1:408:A:ASN:HB3	1	0.45
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	10	0.45
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	3	0.45
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	15	0.45
(1,249)	1:350:A:GLU:HG2	1:350:A:GLU:HB3	17	0.45
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD11	4	0.45
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD12	4	0.45
(1,219)	1:413:A:ILE:HG21	1:413:A:ILE:HD13	4	0.45
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD11	4	0.45
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD12	4	0.45
(1,219)	1:413:A:ILE:HG22	1:413:A:ILE:HD13	4	0.45
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD11	4	0.45
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD12	4	0.45
(1,219)	1:413:A:ILE:HG23	1:413:A:ILE:HD13	4	0.45
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	6	0.45
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	12	0.45
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	13	0.45
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	7	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	3	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	3	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	3	0.45
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	3	0.45
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	3	0.45
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	3	0.45
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	3	0.45
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	3	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	8	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	8	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	8	0.45
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	8	0.45
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	8	0.45
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	8	0.45
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	8	0.45
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	8	0.45
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	8	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	12	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	12	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	12	0.45
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	12	0.45
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	12	0.45
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	12	0.45
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	12	0.45
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	12	0.45
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	12	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	16	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	16	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	16	0.45
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	16	0.45
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	16	0.45
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	16	0.45
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	16	0.45
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	16	0.45
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	16	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	17	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	17	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	17	0.45
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	17	0.45
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	17	0.45
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	17	0.45
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	17	0.45
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	17	0.45
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	17	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	19	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	19	0.45
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	19	0.45
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	19	0.45
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	19	0.45
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	19	0.45
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	19	0.45
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	19	0.45
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	7	0.45
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	7	0.45
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	7	0.45
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	9	0.45
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	9	0.45
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	9	0.45
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	10	0.45
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	10	0.45
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	10	0.45
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	14	0.45
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	14	0.45
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	14	0.45
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	3	0.45
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	3	0.45
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	3	0.45
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	11	0.45
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	11	0.45
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	11	0.45
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	12	0.45
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	12	0.45
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	12	0.45
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	18	0.44
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	18	0.44
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	14	0.44
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	14	0.44
(1,4965)	1:408:A:ASN:H	1:408:A:ASN:HD22	13	0.44
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	14	0.44
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	20	0.44
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	7	0.44
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	9	0.44
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	18	0.44
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	10	0.44
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	11	0.44
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	13	0.44
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	14	0.44
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	14	0.44
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	14	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	1	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	1	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	7	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	7	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	7	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	12	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	12	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	12	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	13	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	13	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	13	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	15	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	15	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	15	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	18	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	18	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	18	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	19	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	19	0.44
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	19	0.44
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	2	0.44
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	2	0.44
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	15	0.44
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	17	0.44
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	6	0.44
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	8	0.44
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	18	0.44
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	20	0.44
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	2	0.44
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	10	0.44
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	15	0.44
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	16	0.44
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	17	0.44
(1,4772)	1:355:A:TRP:H	1:355:A:TRP:HE3	8	0.44
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	3	0.44
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	15	0.44
(1,4725)	1:395:A:GLY:H	1:402:A:PRO:HB3	16	0.44
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	13	0.44
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	9	0.44
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	6	0.44
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	9	0.44
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	6	0.44
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	12	0.44
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB1	9	0.44
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB2	9	0.44
(1,4536)	1:363:A:ALA:H	1:363:A:ALA:HB3	9	0.44
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	9	0.44
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	9	0.44
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	13	0.44
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	14	0.44
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	16	0.44
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	18	0.44
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	13	0.44
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	13	0.44
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	13	0.44
(1,4411)	1:365:A:GLU:H	1:364:A:LEU:H	16	0.44
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	3	0.44
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	11	0.44
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	2	0.44
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	11	0.44
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	1	0.44
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	2	0.44
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	3	0.44
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	4	0.44
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	5	0.44
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	6	0.44
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	7	0.44
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	8	0.44
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	10	0.44
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	12	0.44
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	14	0.44
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	16	0.44
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	17	0.44
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	19	0.44
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	7	0.44
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	7	0.44
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	7	0.44
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	6	0.44
(1,4266)	1:372:A:LYS:H	1:372:A:LYS:HB3	15	0.44
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	10	0.44
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	16	0.44
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	10	0.44
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	17	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	5	0.44
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	18	0.44
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	19	0.44
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	17	0.44
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	5	0.44
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	18	0.44
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	18	0.44
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	18	0.44
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	4	0.44
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	13	0.44
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	11	0.44
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	14	0.44
(1,4033)	1:425:A:TRP:HE1	1:423:A:SER:HB2	14	0.44
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	16	0.44
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	2	0.44
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	10	0.44
(1,4012)	1:452:A:GLU:H	1:451:A:LYS:HG3	13	0.44
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	10	0.44
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	14	0.44
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	16	0.44
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	17	0.44
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	18	0.44
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	19	0.44
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	5	0.44
(1,3929)	1:408:A:ASN:HD21	1:408:A:ASN:HB2	7	0.44
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	16	0.44
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	10	0.44
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	6	0.44
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	6	0.44
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	2	0.44
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	2	0.44
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	3	0.44
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	3	0.44
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	6	0.44
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	6	0.44
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	11	0.44
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	11	0.44
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	15	0.44
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	15	0.44
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	16	0.44
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	16	0.44
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	18	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	18	0.44
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	3	0.44
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	3	0.44
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	6	0.44
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	6	0.44
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	10	0.44
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	10	0.44
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	18	0.44
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	18	0.44
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	3	0.44
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	5	0.44
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	10	0.44
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	11	0.44
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	14	0.44
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	10	0.44
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	10	0.44
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	10	0.44
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	3	0.44
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	4	0.44
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	8	0.44
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	17	0.44
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	2	0.44
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	2	0.44
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	2	0.44
(1,3441)	1:367:A:ASP:HA	1:367:A:ASP:HB2	5	0.44
(1,3441)	1:367:A:ASP:HA	1:367:A:ASP:HB2	6	0.44
(1,3441)	1:367:A:ASP:HA	1:367:A:ASP:HB2	9	0.44
(1,3441)	1:367:A:ASP:HA	1:367:A:ASP:HB2	12	0.44
(1,3441)	1:367:A:ASP:HA	1:367:A:ASP:HB2	15	0.44
(1,3441)	1:367:A:ASP:HA	1:367:A:ASP:HB2	19	0.44
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	20	0.44
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	7	0.44
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	2	0.44
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	6	0.44
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	9	0.44
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	10	0.44
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	9	0.44
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	13	0.44
(1,3303)	1:410:A:TRP:HB2	1:410:A:TRP:HD1	18	0.44
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	5	0.44
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	6	0.44
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	10	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	12	0.44
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	15	0.44
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	7	0.44
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	7	0.44
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	7	0.44
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	8	0.44
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	8	0.44
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	8	0.44
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	18	0.44
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	18	0.44
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	18	0.44
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	5	0.44
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	6	0.44
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	11	0.44
(1,3266)	1:376:A:PRO:HB2	1:377:A:THR:H	12	0.44
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	3	0.44
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	11	0.44
(1,3263)	1:447:A:PRO:HD3	1:447:A:PRO:HG2	15	0.44
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	8	0.44
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	10	0.44
(1,3212)	1:451:A:LYS:HG3	1:451:A:LYS:HA	16	0.44
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	3	0.44
(1,3157)	1:422:A:ASP:HB2	1:423:A:SER:H	19	0.44
(1,3146)	1:358:A:LYS:HB3	1:358:A:LYS:HD2	3	0.44
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	8	0.44
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	12	0.44
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	13	0.44
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	18	0.44
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	19	0.44
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	13	0.44
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	2	0.44
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	5	0.44
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	4	0.44
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	4	0.44
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	4	0.44
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	13	0.44
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	13	0.44
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	13	0.44
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	2	0.44
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	14	0.44
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	18	0.44
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	13	0.44
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	5	0.44
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	7	0.44
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	13	0.44
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	1	0.44
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	1	0.44
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	1	0.44
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	11	0.44
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	13	0.44
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	20	0.44
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	18	0.44
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	8	0.44
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	8	0.44
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	8	0.44
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	11	0.44
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	11	0.44
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	11	0.44
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	5	0.44
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	17	0.44
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	18	0.44
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	6	0.44
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	4	0.44
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	11	0.44
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	12	0.44
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	14	0.44
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	16	0.44
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	15	0.44
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	4	0.44
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	6	0.44
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	1	0.44
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	8	0.44
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	18	0.44
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	8	0.44
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	18	0.44
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	2	0.44
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	4	0.44
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	5	0.44
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	1	0.44
(1,2575)	1:445:A:THR:HB	1:445:A:THR:H	17	0.44
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	2	0.44
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	10	0.44
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	17	0.44
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	20	0.44
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	4	0.44
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	3	0.44
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	15	0.44
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	1	0.44
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	19	0.44
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	5	0.44
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	9	0.44
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	11	0.44
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	12	0.44
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	13	0.44
(1,2354)	1:376:A:PRO:HA	1:376:A:PRO:HB3	17	0.44
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	5	0.44
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	17	0.44
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	16	0.44
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	3	0.44
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	5	0.44
(1,2182)	1:439:A:SER:HA	1:439:A:SER:HB3	9	0.44
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	15	0.44
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	11	0.44
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	14	0.44
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	10	0.44
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	4	0.44
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	6	0.44
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	7	0.44
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	11	0.44
(1,1999)	1:365:A:GLU:HG2	1:365:A:GLU:H	12	0.44
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	3	0.44
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	5	0.44
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	12	0.44
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	15	0.44
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	2	0.44
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	5	0.44
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	7	0.44
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	13	0.44
(1,1790)	1:387:A:LYS:HE3	1:387:A:LYS:HB3	1	0.44
(1,1790)	1:387:A:LYS:HE3	1:387:A:LYS:HB3	4	0.44
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	3	0.44
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	3	0.44
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	3	0.44
(1,1733)	1:372:A:LYS:HB2	1:372:A:LYS:HG2	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	3	0.44
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	7	0.44
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	9	0.44
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	13	0.44
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	16	0.44
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	15	0.44
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	15	0.44
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	4	0.44
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	14	0.44
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	9	0.44
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	9	0.44
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	7	0.44
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	14	0.44
(1,1517)	1:429:A:TYR:HB2	1:429:A:TYR:HA	20	0.44
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	1	0.44
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	2	0.44
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	7	0.44
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	8	0.44
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	9	0.44
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	10	0.44
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	12	0.44
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	13	0.44
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	15	0.44
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	17	0.44
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	18	0.44
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	19	0.44
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	1	0.44
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	2	0.44
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	3	0.44
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	4	0.44
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	5	0.44
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	6	0.44
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	7	0.44
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	8	0.44
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	9	0.44
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	11	0.44
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	13	0.44
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	14	0.44
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	16	0.44
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	17	0.44
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	18	0.44
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1361)	1:394:A:LYS:HB3	1:394:A:LYS:HG2	20	0.44
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	4	0.44
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	9	0.44
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	15	0.44
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	20	0.44
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	20	0.44
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	20	0.44
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	20	0.44
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	20	0.44
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	20	0.44
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	20	0.44
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	20	0.44
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	20	0.44
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	5	0.44
(1,1218)	1:414:A:ASP:HB2	1:415:A:TRP:H	2	0.44
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	2	0.44
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	2	0.44
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	2	0.44
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	3	0.44
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	3	0.44
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	3	0.44
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	10	0.44
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	10	0.44
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	10	0.44
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	11	0.44
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	9	0.44
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	9	0.44
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	9	0.44
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	9	0.44
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	9	0.44
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	9	0.44
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	4	0.44
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	6	0.44
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	9	0.44
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	18	0.44
(1,1058)	1:372:A:LYS:HG2	1:372:A:LYS:HB2	11	0.44
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	9	0.44
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	1	0.44
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	1	0.44
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	1	0.44
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	7	0.44
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	7	0.44
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	12	0.44
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	12	0.44
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	12	0.44
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	19	0.44
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	19	0.44
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	19	0.44
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	10	0.44
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	10	0.44
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	10	0.44
(1,1003)	1:443:A:ILE:HD11	1:443:A:ILE:HA	12	0.44
(1,1003)	1:443:A:ILE:HD12	1:443:A:ILE:HA	12	0.44
(1,1003)	1:443:A:ILE:HD13	1:443:A:ILE:HA	12	0.44
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	17	0.44
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	1	0.44
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	1	0.44
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	1	0.44
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	3	0.44
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	3	0.44
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	3	0.44
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	4	0.44
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	4	0.44
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	4	0.44
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	8	0.44
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	8	0.44
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	8	0.44
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	17	0.44
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	17	0.44
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	17	0.44
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	20	0.44
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	20	0.44
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	20	0.44
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	1	0.44
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	1	0.44
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	1	0.44
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	10	0.44
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	10	0.44
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	10	0.44
(1,891)	1:424:A:ASP:HB3	1:425:A:TRP:H	9	0.44
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	15	0.44
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	15	0.44
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	20	0.44
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	20	0.44
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	20	0.44
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	3	0.44
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	10	0.44
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	13	0.44
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	1	0.44
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	1	0.44
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	1	0.44
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	2	0.44
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	2	0.44
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	2	0.44
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	3	0.44
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	3	0.44
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	3	0.44
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	4	0.44
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	4	0.44
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	4	0.44
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	7	0.44
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	7	0.44
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	7	0.44
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	9	0.44
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	9	0.44
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	9	0.44
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	12	0.44
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	12	0.44
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	12	0.44
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	13	0.44
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	13	0.44
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	13	0.44
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	16	0.44
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	16	0.44
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	16	0.44
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	4	0.44
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	17	0.44
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	14	0.44
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	20	0.44
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	4	0.44
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	4	0.44
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	14	0.44
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	19	0.44
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	10	0.44
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	13	0.44
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	19	0.44
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	15	0.44
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	1	0.44
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	18	0.44
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	7	0.44
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	8	0.44
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	9	0.44
(1,318)	1:407:A:VAL:HA	1:408:A:ASN:HB3	18	0.44
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	4	0.44
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	13	0.44
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	6	0.44
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	1	0.44
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	19	0.44
(1,251)	1:361:A:LYS:HD3	1:361:A:LYS:H	2	0.44
(1,251)	1:361:A:LYS:HD3	1:361:A:LYS:H	3	0.44
(1,251)	1:361:A:LYS:HD3	1:361:A:LYS:H	4	0.44
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	7	0.44
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	11	0.44
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	14	0.44
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	16	0.44
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	10	0.44
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	12	0.44
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	15	0.44
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	3	0.44
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	3	0.44
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	3	0.44
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG11	7	0.44
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG12	7	0.44
(1,80)	1:345:A:ILE:HD11	1:457:A:VAL:HG13	7	0.44
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG11	7	0.44
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG12	7	0.44
(1,80)	1:345:A:ILE:HD12	1:457:A:VAL:HG13	7	0.44
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG11	7	0.44
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG12	7	0.44
(1,80)	1:345:A:ILE:HD13	1:457:A:VAL:HG13	7	0.44
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	16	0.44
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	16	0.44
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	16	0.44
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	2	0.44
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	1	0.44
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	1	0.44
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	4	0.44
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	4	0.44
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	4	0.44
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	7	0.44
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	7	0.44
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	7	0.44
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	8	0.44
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	20	0.44
(1,4)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	4	0.44
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	5	0.43
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	6	0.43
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	10	0.43
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	13	0.43
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	14	0.43
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	15	0.43
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	16	0.43
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	19	0.43
(1,4976)	1:408:A:ASN:HD22	1:407:A:VAL:HA	7	0.43
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	4	0.43
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	4	0.43
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	4	0.43
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	4	0.43
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	6	0.43
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	10	0.43
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	20	0.43
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	20	0.43
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	6	0.43
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	11	0.43
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	8	0.43
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	9	0.43
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	16	0.43
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	16	0.43
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	16	0.43
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	15	0.43
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	8	0.43
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	11	0.43
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	11	0.43
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	13	0.43
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	9	0.43
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	7	0.43
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	11	0.43
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	15	0.43
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	20	0.43
(1,4725)	1:395:A:GLY:H	1:402:A:PRO:HB3	14	0.43
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	2	0.43
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	1	0.43
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	6	0.43
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	6	0.43
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	11	0.43
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	2	0.43
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	17	0.43
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	1	0.43
(1,4577)	1:403:A:TYR:H	1:395:A:GLY:H	8	0.43
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	5	0.43
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	19	0.43
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	15	0.43
(1,4486)	1:366:A:THR:H	1:356:A:TYR:H	12	0.43
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	6	0.43
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	7	0.43
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	19	0.43
(1,4376)	1:426:A:GLN:H	1:427:A:PRO:HA	10	0.43
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	16	0.43
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	17	0.43
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	19	0.43
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	9	0.43
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	15	0.43
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	18	0.43
(1,4346)	1:372:A:LYS:H	1:372:A:LYS:HA	20	0.43
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	16	0.43
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	2	0.43
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	7	0.43
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	5	0.43
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	4	0.43
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	8	0.43
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	7	0.43
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	9	0.43
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	13	0.43
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	14	0.43
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	2	0.43
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	9	0.43
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	11	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	14	0.43
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	1	0.43
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	1	0.43
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	1	0.43
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	12	0.43
(1,4085)	1:466:A:PHE:H	1:465:A:VAL:HB	16	0.43
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	10	0.43
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	10	0.43
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	10	0.43
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	13	0.43
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	13	0.43
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	13	0.43
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	1	0.43
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	8	0.43
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	9	0.43
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	12	0.43
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	2	0.43
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	9	0.43
(1,4033)	1:425:A:TRP:HE1	1:423:A:SER:HB2	20	0.43
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	2	0.43
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	10	0.43
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	11	0.43
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	9	0.43
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	11	0.43
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	17	0.43
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	17	0.43
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	10	0.43
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	2	0.43
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	2	0.43
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	3	0.43
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	9	0.43
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	3	0.43
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	5	0.43
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	7	0.43
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	8	0.43
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	10	0.43
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	13	0.43
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	19	0.43
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	4	0.43
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	4	0.43
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	4	0.43
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	4	0.43
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	4	0.43
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	16	0.43
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	9	0.43
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	9	0.43
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	9	0.43
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	9	0.43
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	9	0.43
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	9	0.43
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	10	0.43
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	10	0.43
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	10	0.43
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	10	0.43
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	10	0.43
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	10	0.43
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	16	0.43
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	16	0.43
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	16	0.43
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	16	0.43
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	16	0.43
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	16	0.43
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	4	0.43
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	9	0.43
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG21	3	0.43
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG22	3	0.43
(1,3789)	1:382:A:PHE:HD1	1:413:A:ILE:HG23	3	0.43
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG21	3	0.43
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG22	3	0.43
(1,3789)	1:382:A:PHE:HD2	1:413:A:ILE:HG23	3	0.43
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD21	5	0.43
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD22	5	0.43
(1,3757)	1:466:A:PHE:HE1	1:464:A:LEU:HD23	5	0.43
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD21	5	0.43
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD22	5	0.43
(1,3757)	1:466:A:PHE:HE2	1:464:A:LEU:HD23	5	0.43
(1,3717)	1:385:A:TRP:HD1	1:413:A:ILE:HA	16	0.43
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	15	0.43
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	4	0.43
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	4	0.43
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	4	0.43
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	4	0.43
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	5	0.43
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	10	0.43
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	10	0.43
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	16	0.43
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	16	0.43
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	8	0.43
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	8	0.43
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	8	0.43
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	8	0.43
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	8	0.43
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	8	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	2	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	2	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	2	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	2	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	3	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	3	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	3	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	3	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	5	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	5	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	5	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	5	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	6	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	6	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	6	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	6	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	8	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	8	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	8	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	8	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	9	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	9	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	9	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	9	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	10	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	10	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	10	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	10	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	13	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	13	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	13	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	14	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	14	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	14	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	14	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	16	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	16	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	16	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	16	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	19	0.43
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	19	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	19	0.43
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	19	0.43
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	10	0.43
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	10	0.43
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	10	0.43
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	10	0.43
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	10	0.43
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	10	0.43
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	10	0.43
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	10	0.43
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	12	0.43
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	12	0.43
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	17	0.43
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	17	0.43
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	19	0.43
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	19	0.43
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	20	0.43
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	20	0.43
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	4	0.43
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	4	0.43
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	9	0.43
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	9	0.43
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	11	0.43
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	20	0.43
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	13	0.43
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	13	0.43
(1,3441)	1:367:A:ASP:HA	1:367:A:ASP:HB2	17	0.43
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	6	0.43
(1,3326)	1:393:A:LEU:HD21	1:421:A:HIS:HD2	8	0.43
(1,3326)	1:393:A:LEU:HD22	1:421:A:HIS:HD2	8	0.43
(1,3326)	1:393:A:LEU:HD23	1:421:A:HIS:HD2	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	7	0.43
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	12	0.43
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	12	0.43
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	12	0.43
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	15	0.43
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	15	0.43
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	15	0.43
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	20	0.43
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	20	0.43
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	20	0.43
(1,3279)	1:435:A:LYS:HB2	1:435:A:LYS:HD2	9	0.43
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	3	0.43
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	7	0.43
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	16	0.43
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	3	0.43
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	5	0.43
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	7	0.43
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	11	0.43
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	12	0.43
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	18	0.43
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	20	0.43
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	3	0.43
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	6	0.43
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	2	0.43
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	2	0.43
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	2	0.43
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	3	0.43
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	3	0.43
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	3	0.43
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	5	0.43
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	5	0.43
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	5	0.43
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	8	0.43
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	8	0.43
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	8	0.43
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	10	0.43
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	10	0.43
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	10	0.43
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	11	0.43
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	11	0.43
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	11	0.43
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	15	0.43
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	15	0.43
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	16	0.43
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	16	0.43
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	16	0.43
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	8	0.43
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	11	0.43
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	15	0.43
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	15	0.43
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	5	0.43
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	4	0.43
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	8	0.43
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	18	0.43
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	10	0.43
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	10	0.43
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	10	0.43
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	11	0.43
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	11	0.43
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	11	0.43
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	3	0.43
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	1	0.43
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	3	0.43
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	7	0.43
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	8	0.43
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	16	0.43
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	18	0.43
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	17	0.43
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	4	0.43
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	4	0.43
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	4	0.43
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	12	0.43
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	12	0.43
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	12	0.43
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	16	0.43
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	16	0.43
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	16	0.43
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	2	0.43
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	7	0.43
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	1	0.43
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	3	0.43
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	7	0.43
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	19	0.43
(1,2797)	1:362:A:VAL:HA	1:362:A:VAL:HG21	9	0.43
(1,2797)	1:362:A:VAL:HA	1:362:A:VAL:HG22	9	0.43
(1,2797)	1:362:A:VAL:HA	1:362:A:VAL:HG23	9	0.43
(1,2779)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	12	0.43
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	6	0.43
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	8	0.43
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	13	0.43
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	17	0.43
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	2	0.43
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	12	0.43
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	15	0.43
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	18	0.43
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	20	0.43
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	2	0.43
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	6	0.43
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	11	0.43
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	17	0.43
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	19	0.43
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	20	0.43
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	1	0.43
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	3	0.43
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	7	0.43
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	9	0.43
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	15	0.43
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	17	0.43
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	18	0.43
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	19	0.43
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	20	0.43
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	5	0.43
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	9	0.43
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	15	0.43
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	16	0.43
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	5	0.43
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	7	0.43
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	12	0.43
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	1	0.43
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	8	0.43
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	11	0.43
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	13	0.43
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	17	0.43
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	19	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	7	0.43
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	8	0.43
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	12	0.43
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	17	0.43
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	11	0.43
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	7	0.43
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	7	0.43
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	7	0.43
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	1	0.43
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	2	0.43
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	7	0.43
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	12	0.43
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	6	0.43
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	13	0.43
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	14	0.43
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	20	0.43
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	9	0.43
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	5	0.43
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	6	0.43
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	9	0.43
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	10	0.43
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	12	0.43
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	13	0.43
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	20	0.43
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	2	0.43
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	5	0.43
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	16	0.43
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	3	0.43
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	13	0.43
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	2	0.43
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	2	0.43
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	2	0.43
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	5	0.43
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	5	0.43
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	5	0.43
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	1	0.43
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	9	0.43
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	9	0.43
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	14	0.43
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	14	0.43
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	14	0.43
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	3	0.43
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	6	0.43
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	8	0.43
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	19	0.43
(1,1790)	1:387:A:LYS:HE3	1:387:A:LYS:HB3	13	0.43
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	8	0.43
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	8	0.43
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	8	0.43
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	1	0.43
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	2	0.43
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	4	0.43
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	6	0.43
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	8	0.43
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	10	0.43
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	14	0.43
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	18	0.43
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	19	0.43
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	20	0.43
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	4	0.43
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	2	0.43
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	12	0.43
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	5	0.43
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	16	0.43
(1,1484)	1:380:A:GLY:HA3	1:380:A:GLY:H	20	0.43
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	3	0.43
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	14	0.43
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	19	0.43
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	3	0.43
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	4	0.43
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	16	0.43
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	19	0.43
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	10	0.43
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	13	0.43
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	19	0.43
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	5	0.43
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	16	0.43
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	4	0.43
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	8	0.43
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	9	0.43
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	9	0.43
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	9	0.43
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	9	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	9	0.43
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	9	0.43
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	9	0.43
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	9	0.43
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	9	0.43
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	9	0.43
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	9	0.43
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	9	0.43
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	9	0.43
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	14	0.43
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	14	0.43
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	14	0.43
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	6	0.43
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	14	0.43
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	14	0.43
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	14	0.43
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	14	0.43
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	14	0.43
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	14	0.43
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	3	0.43
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	14	0.43
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	1	0.43
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	1	0.43
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	14	0.43
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	16	0.43
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	8	0.43
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	8	0.43
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	8	0.43
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	14	0.43
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	14	0.43
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	14	0.43
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	17	0.43
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	17	0.43
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	17	0.43
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	6	0.43
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	11	0.43
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	11	0.43
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	11	0.43
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	13	0.43
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	13	0.43
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	13	0.43
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	15	0.43
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	15	0.43
(1,914)	1:393:A:LEU:HD11	1:393:A:LEU:HB2	18	0.43
(1,914)	1:393:A:LEU:HD12	1:393:A:LEU:HB2	18	0.43
(1,914)	1:393:A:LEU:HD13	1:393:A:LEU:HB2	18	0.43
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	3	0.43
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	4	0.43
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	6	0.43
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	7	0.43
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	8	0.43
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	12	0.43
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	15	0.43
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	17	0.43
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	19	0.43
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	17	0.43
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	17	0.43
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	17	0.43
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	14	0.43
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	14	0.43
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	14	0.43
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	14	0.43
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	10	0.43
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	20	0.43
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	13	0.43
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	14	0.43
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	18	0.43
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	13	0.43
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	1	0.43
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	5	0.43
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	20	0.43
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	5	0.43
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	5	0.43
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	5	0.43
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	6	0.43
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	6	0.43
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	6	0.43
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	8	0.43
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	8	0.43
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	8	0.43
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	10	0.43
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	10	0.43
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	10	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	11	0.43
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	11	0.43
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	11	0.43
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	14	0.43
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	14	0.43
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	14	0.43
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	18	0.43
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	18	0.43
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	18	0.43
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	19	0.43
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	19	0.43
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	19	0.43
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	20	0.43
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	20	0.43
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	20	0.43
(1,747)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	19	0.43
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	8	0.43
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	9	0.43
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	18	0.43
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	4	0.43
(1,653)	1:340:A:MET:HG2	1:340:A:MET:H	17	0.43
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	5	0.43
(1,586)	1:408:A:ASN:HB2	1:409:A:TYR:HE1	3	0.43
(1,586)	1:408:A:ASN:HB2	1:409:A:TYR:HE2	3	0.43
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	12	0.43
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	1	0.43
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	2	0.43
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	12	0.43
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	15	0.43
(1,493)	1:435:A:LYS:HD2	1:435:A:LYS:HG3	18	0.43
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	1	0.43
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	3	0.43
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	4	0.43
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	5	0.43
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	6	0.43
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	7	0.43
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	8	0.43
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	9	0.43
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	11	0.43
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	12	0.43
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	14	0.43
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	16	0.43
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	17	0.43
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	18	0.43
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	19	0.43
(1,481)	1:446:A:PRO:HD2	1:446:A:PRO:HG3	20	0.43
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	5	0.43
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	7	0.43
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	14	0.43
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	16	0.43
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	18	0.43
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	2	0.43
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	5	0.43
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	17	0.43
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	20	0.43
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	2	0.43
(1,333)	1:386:A:ASN:HB2	1:386:A:ASN:HA	6	0.43
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	20	0.43
(1,318)	1:407:A:VAL:HA	1:408:A:ASN:HB3	8	0.43
(1,318)	1:407:A:VAL:HA	1:408:A:ASN:HB3	9	0.43
(1,318)	1:407:A:VAL:HA	1:408:A:ASN:HB3	17	0.43
(1,290)	1:459:A:LYS:HB2	1:459:A:LYS:HG3	1	0.43
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	19	0.43
(1,245)	1:352:A:GLN:HA	1:352:A:GLN:HG2	15	0.43
(1,163)	1:358:A:LYS:HA	1:359:A:ASP:H	8	0.43
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	19	0.43
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	13	0.43
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	13	0.43
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	13	0.43
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	15	0.43
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	9	0.43
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	9	0.43
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	9	0.43
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	13	0.43
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	2	0.42
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	7	0.42
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	11	0.42
(1,4976)	1:408:A:ASN:HD22	1:407:A:VAL:HA	6	0.42
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	8	0.42
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	6	0.42
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	6	0.42
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	10	0.42
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	19	0.42
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	19	0.42
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	19	0.42
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	14	0.42
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	4	0.42
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	6	0.42
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	12	0.42
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	17	0.42
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	7	0.42
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	7	0.42
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	7	0.42
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	11	0.42
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	11	0.42
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	11	0.42
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	8	0.42
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	8	0.42
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	8	0.42
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	3	0.42
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	3	0.42
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	9	0.42
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	9	0.42
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	16	0.42
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	2	0.42
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	7	0.42
(1,4782)	1:391:A:ALA:H	1:390:A:ASP:HB2	20	0.42
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	1	0.42
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	2	0.42
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	13	0.42
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	3	0.42
(1,4695)	1:401:A:THR:H	1:399:A:ASP:HB3	20	0.42
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	5	0.42
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	4	0.42
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	5	0.42
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	10	0.42
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	13	0.42
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	14	0.42
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	15	0.42
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	16	0.42
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	20	0.42
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	2	0.42
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	7	0.42
(1,4589)	1:434:A:TRP:H	1:433:A:LEU:HB2	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	1	0.42
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	17	0.42
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	18	0.42
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	20	0.42
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	14	0.42
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	10	0.42
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	10	0.42
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	10	0.42
(1,4365)	1:351:A:ASN:HD21	1:351:A:ASN:HB3	5	0.42
(1,4362)	1:443:A:ILE:H	1:443:A:ILE:HB	10	0.42
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	12	0.42
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	1	0.42
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	1	0.42
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	1	0.42
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	19	0.42
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	19	0.42
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	19	0.42
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	4	0.42
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	3	0.42
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	3	0.42
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	18	0.42
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	16	0.42
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	10	0.42
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	9	0.42
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	9	0.42
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	5	0.42
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	18	0.42
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	5	0.42
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	6	0.42
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	3	0.42
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	4	0.42
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	8	0.42
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	10	0.42
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	13	0.42
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	16	0.42
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	17	0.42
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	13	0.42
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	16	0.42
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	14	0.42
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	14	0.42
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	14	0.42
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	2	0.42
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	2	0.42
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	17	0.42
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	17	0.42
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	17	0.42
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	3	0.42
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	11	0.42
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	6	0.42
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	17	0.42
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	20	0.42
(1,4033)	1:425:A:TRP:HE1	1:423:A:SER:HB2	2	0.42
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	1	0.42
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	5	0.42
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	6	0.42
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	7	0.42
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	8	0.42
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	14	0.42
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	15	0.42
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	18	0.42
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	7	0.42
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	18	0.42
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	6	0.42
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	3	0.42
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	5	0.42
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD11	6	0.42
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD12	6	0.42
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD13	6	0.42
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	6	0.42
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	15	0.42
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	11	0.42
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	1	0.42
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	2	0.42
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	4	0.42
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	6	0.42
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	11	0.42
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	12	0.42
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	14	0.42
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	15	0.42
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	16	0.42
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	17	0.42
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	18	0.42
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	20	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	11	0.42
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	11	0.42
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	11	0.42
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	15	0.42
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	15	0.42
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	15	0.42
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	18	0.42
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	18	0.42
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	18	0.42
(1,3856)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	11	0.42
(1,3856)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	11	0.42
(1,3856)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	18	0.42
(1,3856)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	18	0.42
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	7	0.42
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	2	0.42
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	2	0.42
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	2	0.42
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	2	0.42
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	2	0.42
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	2	0.42
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	6	0.42
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	6	0.42
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	6	0.42
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	6	0.42
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	6	0.42
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	6	0.42
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	3	0.42
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	3	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	3	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	3	0.42
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	5	0.42
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	5	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	5	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	5	0.42
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	7	0.42
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	7	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	7	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	7	0.42
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	8	0.42
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	8	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	8	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	13	0.42
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	13	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	13	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	13	0.42
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	14	0.42
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	14	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	14	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	14	0.42
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	15	0.42
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	15	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	15	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	15	0.42
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	16	0.42
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	16	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	16	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	16	0.42
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	20	0.42
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	20	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	20	0.42
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	20	0.42
(1,3711)	1:434:A:TRP:HD1	1:432:A:ASP:HA	19	0.42
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	7	0.42
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	7	0.42
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	9	0.42
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	9	0.42
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	11	0.42
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	11	0.42
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	14	0.42
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	14	0.42
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	10	0.42
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	10	0.42
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	13	0.42
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	13	0.42
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	5	0.42
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	5	0.42
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	5	0.42
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	5	0.42
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	5	0.42
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	5	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	1	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	1	0.42
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	1	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	4	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	4	0.42
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	4	0.42
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	4	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	7	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	7	0.42
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	7	0.42
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	7	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	11	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	11	0.42
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	11	0.42
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	11	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	12	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	12	0.42
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	12	0.42
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	12	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	15	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	15	0.42
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	15	0.42
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	15	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	17	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	17	0.42
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	17	0.42
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	17	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	18	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	18	0.42
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	18	0.42
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	18	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD1	20	0.42
(1,3643)	1:409:A:TYR:HE1	1:409:A:TYR:HD2	20	0.42
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD1	20	0.42
(1,3643)	1:409:A:TYR:HE2	1:409:A:TYR:HD2	20	0.42
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	17	0.42
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	17	0.42
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	17	0.42
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	17	0.42
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	17	0.42
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	17	0.42
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	4	0.42
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	4	0.42
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	5	0.42
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	7	0.42
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	7	0.42
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	8	0.42
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	8	0.42
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	9	0.42
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	9	0.42
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	13	0.42
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	13	0.42
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	14	0.42
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	14	0.42
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	6	0.42
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	6	0.42
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	14	0.42
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	14	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	1	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	1	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	1	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	1	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	2	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	2	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	2	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	2	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	3	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	3	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	3	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	3	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	4	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	4	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	4	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	4	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	5	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	5	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	5	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	5	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	7	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	7	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	7	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	7	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	8	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	8	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	8	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	9	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	9	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	9	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	9	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	10	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	10	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	10	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	10	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	11	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	11	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	11	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	11	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	12	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	12	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	12	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	12	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	13	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	13	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	13	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	13	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	14	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	14	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	14	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	14	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	15	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	15	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	15	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	15	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	16	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	16	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	16	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	16	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	17	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	17	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	17	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	17	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	18	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	18	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	18	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	18	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	19	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	19	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	19	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	20	0.42
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	20	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	20	0.42
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	20	0.42
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	2	0.42
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	8	0.42
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	16	0.42
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	18	0.42
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	6	0.42
(1,3441)	1:367:A:ASP:HA	1:367:A:ASP:HB2	3	0.42
(1,3441)	1:367:A:ASP:HA	1:367:A:ASP:HB2	10	0.42
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	2	0.42
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	3	0.42
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	4	0.42
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	5	0.42
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	6	0.42
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	7	0.42
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	9	0.42
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	10	0.42
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	12	0.42
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	13	0.42
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	15	0.42
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	18	0.42
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	20	0.42
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	7	0.42
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	1	0.42
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	1	0.42
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	1	0.42
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	15	0.42
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	15	0.42
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	15	0.42
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	10	0.42
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	1	0.42
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	15	0.42
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	2	0.42
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	3	0.42
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	4	0.42
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	8	0.42
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	17	0.42
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	18	0.42
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	3	0.42
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	3	0.42
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	3	0.42
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD11	19	0.42
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD12	19	0.42
(1,3281)	1:433:A:LEU:HB3	1:433:A:LEU:HD13	19	0.42
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	10	0.42
(1,3241)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	10	0.42
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	2	0.42
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	9	0.42
(1,3189)	1:439:A:SER:HA	1:439:A:SER:HB2	18	0.42
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	15	0.42
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	20	0.42
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	4	0.42
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	8	0.42
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	9	0.42
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	10	0.42
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	13	0.42
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	14	0.42
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	15	0.42
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	16	0.42
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	17	0.42
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	19	0.42
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	16	0.42
(1,3004)	1:386:A:ASN:HA	1:387:A:LYS:H	7	0.42
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD21	6	0.42
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD22	6	0.42
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD23	6	0.42
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	1	0.42
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	1	0.42
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	1	0.42
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	6	0.42
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	9	0.42
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	20	0.42
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	6	0.42
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	8	0.42
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	17	0.42
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	20	0.42
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	9	0.42
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	12	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2943)	1:425:A:TRP:HB3	1:425:A:TRP:HA	15	0.42
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	14	0.42
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	14	0.42
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	14	0.42
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	1	0.42
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	1	0.42
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	1	0.42
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	1	0.42
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	1	0.42
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	1	0.42
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	1	0.42
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	1	0.42
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	1	0.42
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	13	0.42
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	13	0.42
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	13	0.42
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	13	0.42
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	13	0.42
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	13	0.42
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	13	0.42
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	13	0.42
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	13	0.42
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	19	0.42
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	1	0.42
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	9	0.42
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	9	0.42
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	9	0.42
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	9	0.42
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	6	0.42
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	4	0.42
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	6	0.42
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	8	0.42
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	12	0.42
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	13	0.42
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	14	0.42
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	16	0.42
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	20	0.42
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD1	11	0.42
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD2	11	0.42
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD1	11	0.42
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD2	11	0.42
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD1	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD2	11	0.42
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	6	0.42
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	6	0.42
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	6	0.42
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	19	0.42
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	19	0.42
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	19	0.42
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	10	0.42
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	18	0.42
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	7	0.42
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	15	0.42
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	16	0.42
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	2	0.42
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	3	0.42
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	4	0.42
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	5	0.42
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	6	0.42
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	7	0.42
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	9	0.42
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	10	0.42
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	12	0.42
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	13	0.42
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	15	0.42
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	18	0.42
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	20	0.42
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	1	0.42
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	8	0.42
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	17	0.42
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	10	0.42
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	14	0.42
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	7	0.42
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	19	0.42
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	4	0.42
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	3	0.42
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	8	0.42
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	15	0.42
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	3	0.42
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	4	0.42
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	5	0.42
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	7	0.42
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	12	0.42
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	15	0.42
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	16	0.42
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	7	0.42
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	13	0.42
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	20	0.42
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	6	0.42
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	10	0.42
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	11	0.42
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	12	0.42
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	13	0.42
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	16	0.42
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	1	0.42
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	2	0.42
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	3	0.42
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	4	0.42
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	6	0.42
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	7	0.42
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	8	0.42
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	10	0.42
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	11	0.42
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	12	0.42
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	13	0.42
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	14	0.42
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	17	0.42
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	18	0.42
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	19	0.42
(1,2598)	1:435:A:LYS:HG3	1:435:A:LYS:HB3	20	0.42
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	12	0.42
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	9	0.42
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	19	0.42
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	10	0.42
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	12	0.42
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	15	0.42
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	1	0.42
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	5	0.42
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	7	0.42
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	8	0.42
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	9	0.42
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	10	0.42
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	11	0.42
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	13	0.42
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	15	0.42
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	16	0.42
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	17	0.42
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	18	0.42
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	19	0.42
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	20	0.42
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	20	0.42
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	5	0.42
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	9	0.42
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	16	0.42
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	5	0.42
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	5	0.42
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	5	0.42
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	14	0.42
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	14	0.42
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	14	0.42
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	15	0.42
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	19	0.42
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	17	0.42
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	1	0.42
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	2	0.42
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	3	0.42
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	4	0.42
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	7	0.42
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	11	0.42
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	14	0.42
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	15	0.42
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	18	0.42
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	11	0.42
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	1	0.42
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	3	0.42
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	4	0.42
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	6	0.42
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	10	0.42
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	12	0.42
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	13	0.42
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	14	0.42
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	17	0.42
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	4	0.42
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	8	0.42
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	9	0.42
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	14	0.42
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	16	0.42
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	17	0.42
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	18	0.42
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	13	0.42
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	4	0.42
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	5	0.42
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	7	0.42
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	9	0.42
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	10	0.42
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	1	0.42
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	1	0.42
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	1	0.42
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	6	0.42
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	6	0.42
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	6	0.42
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	5	0.42
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	5	0.42
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	5	0.42
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	20	0.42
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	8	0.42
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	6	0.42
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	7	0.42
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	8	0.42
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	6	0.42
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	2	0.42
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	6	0.42
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	9	0.42
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	10	0.42
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	11	0.42
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	13	0.42
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	14	0.42
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	15	0.42
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	16	0.42
(1,1814)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	5	0.42
(1,1765)	1:361:A:LYS:HE2	1:361:A:LYS:HB2	8	0.42
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	13	0.42
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	13	0.42
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	13	0.42
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	16	0.42
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	16	0.42
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	11	0.42
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	15	0.42
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	17	0.42
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	2	0.42
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	3	0.42
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	6	0.42
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	9	0.42
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	13	0.42
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	17	0.42
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	1	0.42
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	15	0.42
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	15	0.42
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD1	18	0.42
(1,1541)	1:408:A:ASN:HB2	1:409:A:TYR:HD2	18	0.42
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	7	0.42
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	8	0.42
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	10	0.42
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	13	0.42
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	14	0.42
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	9	0.42
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	10	0.42
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	14	0.42
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	17	0.42
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	8	0.42
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	17	0.42
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	2	0.42
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	3	0.42
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	4	0.42
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	5	0.42
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	6	0.42
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	7	0.42
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	9	0.42
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	10	0.42
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	12	0.42
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	13	0.42
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	14	0.42
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	17	0.42
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	18	0.42
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	19	0.42
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	20	0.42
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	20	0.42
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	13	0.42
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	13	0.42
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	13	0.42
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	13	0.42
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	13	0.42
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	13	0.42
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	13	0.42
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	13	0.42
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	7	0.42
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	12	0.42
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	14	0.42
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	3	0.42
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	4	0.42
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	13	0.42
(1,1218)	1:414:A:ASP:HB2	1:415:A:TRP:H	10	0.42
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	1	0.42
(1,1199)	1:455:A:GLY:HA3	1:456:A:MET:H	13	0.42
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	1	0.42
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	6	0.42
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	7	0.42
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	14	0.42
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	3	0.42
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	12	0.42
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	8	0.42
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	2	0.42
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	2	0.42
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	2	0.42
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	10	0.42
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	10	0.42
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	10	0.42
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	15	0.42
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	15	0.42
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	15	0.42
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	20	0.42
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	20	0.42
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	20	0.42
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	12	0.42
(1,936)	1:448:A:SER:HB3	1:449:A:VAL:HB	14	0.42
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	1	0.42
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	2	0.42
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	5	0.42
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	10	0.42
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	11	0.42
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	13	0.42
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	14	0.42
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	18	0.42
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	20	0.42
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	5	0.42
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	5	0.42
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	5	0.42
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	18	0.42
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	18	0.42
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	18	0.42
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	19	0.42
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	19	0.42
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	19	0.42
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	7	0.42
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	7	0.42
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	7	0.42
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	8	0.42
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	19	0.42
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	10	0.42
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	16	0.42
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	14	0.42
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	19	0.42
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	11	0.42
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	1	0.42
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	6	0.42
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	9	0.42
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	17	0.42
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	18	0.42
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD1	1	0.42
(1,763)	1:454:A:PHE:HA	1:454:A:PHE:HD2	1	0.42
(1,757)	1:377:A:THR:HG21	1:377:A:THR:HA	17	0.42
(1,757)	1:377:A:THR:HG22	1:377:A:THR:HA	17	0.42
(1,757)	1:377:A:THR:HG23	1:377:A:THR:HA	17	0.42
(1,720)	1:342:A:ASP:HB2	1:344:A:TYR:H	5	0.42
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	10	0.42
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	13	0.42
(1,678)	1:409:A:TYR:HB3	1:410:A:TRP:H	15	0.42
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	1	0.42
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	4	0.42
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	8	0.42
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	12	0.42
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	15	0.42
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	17	0.42
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	19	0.42
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	2	0.42
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	3	0.42
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	4	0.42
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	5	0.42
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	7	0.42
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	8	0.42
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	9	0.42
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	10	0.42
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	11	0.42
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	13	0.42
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	14	0.42
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	15	0.42
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	16	0.42
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	18	0.42
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	19	0.42
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	20	0.42
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	5	0.42
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	20	0.42
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	7	0.42
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	19	0.42
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	3	0.42
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	3	0.42
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	3	0.42
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	11	0.42
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	13	0.42
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	15	0.42
(1,367)	1:411:A:MET:HB3	1:411:A:MET:HA	14	0.42
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	2	0.42
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	12	0.42
(1,318)	1:407:A:VAL:HA	1:408:A:ASN:HB3	6	0.42
(1,318)	1:407:A:VAL:HA	1:408:A:ASN:HB3	11	0.42
(1,302)	1:427:A:PRO:HB3	1:427:A:PRO:HD3	9	0.42
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	5	0.42
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	17	0.42
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	13	0.42
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	13	0.42
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	16	0.42
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	16	0.42
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	16	0.42
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	16	0.42
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	17	0.42
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	13	0.42
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	13	0.42
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	13	0.42
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	5	0.42
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	7	0.42
(1,4)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	1	0.42
(1,4)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	9	0.42
(1,4)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	17	0.42
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	8	0.41
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	9	0.41
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	12	0.41
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	3	0.41
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	9	0.41
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	11	0.41
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	16	0.41
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	16	0.41
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	17	0.41
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	17	0.41
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	5	0.41
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	8	0.41
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	10	0.41
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	16	0.41
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	18	0.41
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	20	0.41
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	1	0.41
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	6	0.41
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	12	0.41
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	13	0.41
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	2	0.41
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	20	0.41
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	20	0.41
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	20	0.41
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	6	0.41
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	6	0.41
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	6	0.41
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	11	0.41
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	11	0.41
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	20	0.41
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	20	0.41
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	20	0.41
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	4	0.41
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	4	0.41
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	5	0.41
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	5	0.41
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	12	0.41
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	12	0.41
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	13	0.41
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	13	0.41
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	18	0.41
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	18	0.41
(1,4824)	1:426:A:GLN:HE22	1:428:A:GLU:HB3	16	0.41
(1,4811)	1:423:A:SER:H	1:447:A:PRO:HG3	2	0.41
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	3	0.41
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	5	0.41
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	1	0.41
(1,4796)	1:424:A:ASP:H	1:425:A:TRP:H	19	0.41
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	12	0.41
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	13	0.41
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	4	0.41
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	7	0.41
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	14	0.41
(1,4740)	1:355:A:TRP:HE1	1:365:A:GLU:HB3	6	0.41
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	6	0.41
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	3	0.41
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	8	0.41
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	12	0.41
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	17	0.41
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	18	0.41
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	1	0.41
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	1	0.41
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	4	0.41
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	13	0.41
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	15	0.41
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	16	0.41
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	18	0.41
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	1	0.41
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	4	0.41
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	3	0.41
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	13	0.41
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	19	0.41
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	3	0.41
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	19	0.41
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	3	0.41
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	20	0.41
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	9	0.41
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	19	0.41
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	5	0.41
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	16	0.41
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	20	0.41
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	1	0.41
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	6	0.41
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	20	0.41
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	14	0.41
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	14	0.41
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	14	0.41
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	2	0.41
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	5	0.41
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	17	0.41
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	19	0.41
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	3	0.41
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	4	0.41
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	12	0.41
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	13	0.41
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	19	0.41
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	20	0.41
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	1	0.41
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	9	0.41
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	14	0.41
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	8	0.41
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	11	0.41
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	1	0.41
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	2	0.41
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	9	0.41
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	10	0.41
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	16	0.41
(1,3959)	1:408:A:ASN:HD21	1:407:A:VAL:HB	7	0.41
(1,3905)	1:422:A:ASP:H	1:422:A:ASP:HA	9	0.41
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	2	0.41
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	1	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	1	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	1	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	1	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	2	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	2	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	2	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	2	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	4	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	4	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	4	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	4	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	6	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	6	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	6	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	6	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	9	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	9	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	9	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	9	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	10	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	10	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	10	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	10	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	11	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	11	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	11	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	11	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	12	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	12	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	12	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	12	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	17	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	17	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	17	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	17	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	18	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	18	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	18	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	18	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE1	19	0.41
(1,3749)	1:429:A:TYR:HD1	1:429:A:TYR:HE2	19	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE1	19	0.41
(1,3749)	1:429:A:TYR:HD2	1:429:A:TYR:HE2	19	0.41
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	1	0.41
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	1	0.41
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	6	0.41
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	6	0.41
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	6	0.41
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	13	0.41
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	13	0.41
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	13	0.41
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	13	0.41
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	13	0.41
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	13	0.41
(1,3612)	1:357:A:TYR:HE1	1:357:A:TYR:HB2	1	0.41
(1,3612)	1:357:A:TYR:HE2	1:357:A:TYR:HB2	1	0.41
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	8	0.41
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	8	0.41
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	17	0.41
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	17	0.41
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	14	0.41
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE1	6	0.41
(1,3538)	1:454:A:PHE:HD1	1:454:A:PHE:HE2	6	0.41
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE1	6	0.41
(1,3538)	1:454:A:PHE:HD2	1:454:A:PHE:HE2	6	0.41
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	20	0.41
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	6	0.41
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	8	0.41
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	19	0.41
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	1	0.41
(1,3484)	1:369:A:VAL:HG11	1:426:A:GLN:HE21	19	0.41
(1,3484)	1:369:A:VAL:HG12	1:426:A:GLN:HE21	19	0.41
(1,3484)	1:369:A:VAL:HG13	1:426:A:GLN:HE21	19	0.41
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	1	0.41
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	8	0.41
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	11	0.41
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	14	0.41
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	16	0.41
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	17	0.41
(1,3430)	1:373:A:PRO:HG3	1:373:A:PRO:HD2	19	0.41
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	6	0.41
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	6	0.41
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	16	0.41
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	16	0.41
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	16	0.41
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	18	0.41
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	18	0.41
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	18	0.41
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	20	0.41
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	4	0.41
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	7	0.41
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	7	0.41
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	7	0.41
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	16	0.41
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	16	0.41
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	16	0.41
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	1	0.41
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	9	0.41
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	11	0.41
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	14	0.41
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	16	0.41
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	19	0.41
(1,3288)	1:393:A:LEU:HB3	1:393:A:LEU:HA	20	0.41
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	5	0.41
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	1	0.41
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	2	0.41
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	5	0.41
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	8	0.41
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	9	0.41
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	12	0.41
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	14	0.41
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	6	0.41
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	14	0.41
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	2	0.41
(1,3035)	1:370:A:SER:HB3	1:370:A:SER:HA	20	0.41
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	9	0.41
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	9	0.41
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	9	0.41
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	4	0.41
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	3	0.41
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	4	0.41
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	7	0.41
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	9	0.41
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	9	0.41
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	17	0.41
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	17	0.41
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	17	0.41
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	1	0.41
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	3	0.41
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	4	0.41
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	7	0.41
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	8	0.41
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	9	0.41
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	11	0.41
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	12	0.41
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	14	0.41
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	15	0.41
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	16	0.41
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	17	0.41
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	18	0.41
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	19	0.41
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	20	0.41
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	5	0.41
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	1	0.41
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	3	0.41
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	6	0.41
(1,2857)	1:459:A:LYS:HB2	1:459:A:LYS:H	3	0.41
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	2	0.41
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	5	0.41
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	9	0.41
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	10	0.41
(1,2845)	1:354:A:MET:HA	1:353:A:HIS:HB2	11	0.41
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD1	16	0.41
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD2	16	0.41
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD1	16	0.41
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD2	16	0.41
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD1	16	0.41
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD2	16	0.41
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	5	0.41
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	11	0.41
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	15	0.41
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	17	0.41
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	16	0.41
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	5	0.41
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	1	0.41
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	8	0.41
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	11	0.41
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	14	0.41
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	16	0.41
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	17	0.41
(1,2714)	1:373:A:PRO:HD2	1:373:A:PRO:HG3	19	0.41
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	2	0.41
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	9	0.41
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	13	0.41
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	16	0.41
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	20	0.41
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	3	0.41
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	5	0.41
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	6	0.41
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	13	0.41
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	12	0.41
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	12	0.41
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	12	0.41
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	7	0.41
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	9	0.41
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	5	0.41
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	13	0.41
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	6	0.41
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	10	0.41
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	11	0.41
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	12	0.41
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	17	0.41
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	8	0.41
(1,2603)	1:361:A:LYS:HB2	1:361:A:LYS:HA	14	0.41
(1,2586)	1:341:A:GLU:HA	1:342:A:ASP:HA	11	0.41
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	14	0.41
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	7	0.41
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	9	0.41
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	14	0.41
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	16	0.41
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	18	0.41
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	2	0.41
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	4	0.41
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	6	0.41
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	1	0.41
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	14	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2457)	1:418:A:VAL:HB	1:419:A:GLY:HA3	19	0.41
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	17	0.41
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	5	0.41
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	9	0.41
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	13	0.41
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	16	0.41
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	12	0.41
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	12	0.41
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	12	0.41
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	17	0.41
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	17	0.41
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	17	0.41
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	3	0.41
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	6	0.41
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	8	0.41
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	13	0.41
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	17	0.41
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	18	0.41
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	12	0.41
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	12	0.41
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	12	0.41
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	17	0.41
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	17	0.41
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	17	0.41
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	15	0.41
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	2	0.41
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	5	0.41
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	14	0.41
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	5	0.41
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	9	0.41
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	17	0.41
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	19	0.41
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	5	0.41
(1,2238)	1:451:A:LYS:HG2	1:451:A:LYS:HA	16	0.41
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	2	0.41
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	7	0.41
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	8	0.41
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	9	0.41
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	11	0.41
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	15	0.41
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	18	0.41
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	5	0.41
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	19	0.41
(1,2193)	1:437:A:ARG:HG3	1:437:A:ARG:HD3	1	0.41
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	7	0.41
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	18	0.41
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	17	0.41
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	5	0.41
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	15	0.41
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	17	0.41
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	9	0.41
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	9	0.41
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	9	0.41
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	11	0.41
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	11	0.41
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	11	0.41
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	4	0.41
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	4	0.41
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	4	0.41
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	6	0.41
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	6	0.41
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	6	0.41
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	10	0.41
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	10	0.41
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	10	0.41
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	12	0.41
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	12	0.41
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	12	0.41
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	15	0.41
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	15	0.41
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	15	0.41
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	16	0.41
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	16	0.41
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	16	0.41
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	11	0.41
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	13	0.41
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	1	0.41
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	12	0.41
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	1	0.41
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	4	0.41
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	9	0.41
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	13	0.41
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	14	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	16	0.41
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	1	0.41
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	4	0.41
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	17	0.41
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	18	0.41
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	2	0.41
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	3	0.41
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	5	0.41
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	7	0.41
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	10	0.41
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	13	0.41
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	20	0.41
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	7	0.41
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	5	0.41
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	9	0.41
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	11	0.41
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	13	0.41
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	15	0.41
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	16	0.41
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	17	0.41
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	19	0.41
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	1	0.41
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	5	0.41
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	7	0.41
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	12	0.41
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	17	0.41
(1,1820)	1:432:A:ASP:HA	1:432:A:ASP:H	20	0.41
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	2	0.41
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	1	0.41
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	1	0.41
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	1	0.41
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	4	0.41
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	4	0.41
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	4	0.41
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	9	0.41
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	9	0.41
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	9	0.41
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	10	0.41
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	10	0.41
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	10	0.41
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	3	0.41
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	3	0.41
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	3	0.41
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	3	0.41
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	3	0.41
(1,1719)	1:451:A:LYS:HA	1:451:A:LYS:HG2	16	0.41
(1,1692)	1:360:A:GLY:HA2	1:360:A:GLY:H	5	0.41
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	1	0.41
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	4	0.41
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	5	0.41
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	6	0.41
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	7	0.41
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	8	0.41
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	9	0.41
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	10	0.41
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	11	0.41
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	13	0.41
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	14	0.41
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	15	0.41
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	16	0.41
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	19	0.41
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	20	0.41
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	3	0.41
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	1	0.41
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	16	0.41
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	18	0.41
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	4	0.41
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	13	0.41
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	15	0.41
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	17	0.41
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	18	0.41
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	20	0.41
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	1	0.41
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	5	0.41
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	6	0.41
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	11	0.41
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	12	0.41
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	15	0.41
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	16	0.41
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	18	0.41
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	1	0.41
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	6	0.41
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	1	0.41
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	8	0.41
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	11	0.41
(1,1319)	1:437:A:ARG:HG3	1:437:A:ARG:HB2	15	0.41
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	3	0.41
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	3	0.41
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	3	0.41
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	14	0.41
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	14	0.41
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	14	0.41
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	20	0.41
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	20	0.41
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	20	0.41
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	1	0.41
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	2	0.41
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	3	0.41
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	6	0.41
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	8	0.41
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	10	0.41
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	13	0.41
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	16	0.41
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	17	0.41
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	19	0.41
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	20	0.41
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	2	0.41
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	3	0.41
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	5	0.41
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	7	0.41
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	10	0.41
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	13	0.41
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	20	0.41
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	16	0.41
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	7	0.41
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	7	0.41
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	7	0.41
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	8	0.41
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	8	0.41
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	8	0.41
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	16	0.41
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	16	0.41
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	16	0.41
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	4	0.41
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	8	0.41
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	11	0.41
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	7	0.41
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	19	0.41
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	9	0.41
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	10	0.41
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	11	0.41
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	14	0.41
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	2	0.41
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	3	0.41
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	3	0.41
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	3	0.41
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	18	0.41
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	18	0.41
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	18	0.41
(1,900)	1:354:A:MET:HB3	1:354:A:MET:HG3	16	0.41
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	13	0.41
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	13	0.41
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	13	0.41
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	11	0.41
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	14	0.41
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	17	0.41
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	1	0.41
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	4	0.41
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	9	0.41
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	4	0.41
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	8	0.41
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	9	0.41
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	11	0.41
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	12	0.41
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	14	0.41
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	15	0.41
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	17	0.41
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	19	0.41
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	20	0.41
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	8	0.41
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	18	0.41
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	18	0.41
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	18	0.41
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	9	0.41
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	11	0.41
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	13	0.41
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	16	0.41
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	18	0.41
(1,647)	1:340:A:MET:HA	1:341:A:GLU:HB3	12	0.41
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	15	0.41
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	19	0.41
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	7	0.41
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	10	0.41
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	12	0.41
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	14	0.41
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	15	0.41
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	16	0.41
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	17	0.41
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	19	0.41
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	20	0.41
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	6	0.41
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	13	0.41
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	19	0.41
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	1	0.41
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	6	0.41
(1,558)	1:378:A:PRO:HD2	1:378:A:PRO:HG2	17	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	1	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	2	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	3	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	4	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	6	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	7	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	8	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	9	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	10	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	11	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	12	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	13	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	14	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	15	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	16	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	17	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	18	0.41
(1,543)	1:373:A:PRO:HG3	1:373:A:PRO:HB2	19	0.41
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	16	0.41
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	5	0.41
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	6	0.41
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	13	0.41
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	7	0.41
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	7	0.41
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	7	0.41
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	14	0.41
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	14	0.41
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	14	0.41
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	17	0.41
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	17	0.41
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	17	0.41
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	19	0.41
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	19	0.41
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	19	0.41
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	20	0.41
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	20	0.41
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	20	0.41
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	10	0.41
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	6	0.41
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	7	0.41
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	11	0.41
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	14	0.41
(1,318)	1:407:A:VAL:HA	1:408:A:ASN:HB3	2	0.41
(1,318)	1:407:A:VAL:HA	1:408:A:ASN:HB3	7	0.41
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	1	0.41
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	2	0.41
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	3	0.41
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	6	0.41
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	7	0.41
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	8	0.41
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	9	0.41
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	16	0.41
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	14	0.41
(1,253)	1:395:A:GLY:HA2	1:396:A:THR:H	1	0.41
(1,253)	1:395:A:GLY:HA2	1:396:A:THR:H	6	0.41
(1,245)	1:352:A:GLN:HA	1:352:A:GLN:HG2	16	0.41
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	1	0.41
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	4	0.41
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	4	0.41
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	4	0.41
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	9	0.41
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	9	0.41
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	10	0.41
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	10	0.41
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	10	0.41
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	3	0.41
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	3	0.41
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	3	0.41
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	3	0.41
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	3	0.41
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	3	0.41
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	3	0.41
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	3	0.41
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	3	0.41
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	3	0.41
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	4	0.41
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	9	0.41
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	10	0.41
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	14	0.41
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	18	0.41
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	2	0.41
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	3	0.41
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	6	0.41
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	10	0.41
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	11	0.41
(1,4)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	2	0.41
(1,4)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	19	0.41
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	1	0.4
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	20	0.4
(1,4976)	1:408:A:ASN:HD22	1:407:A:VAL:HA	2	0.4
(1,4976)	1:408:A:ASN:HD22	1:407:A:VAL:HA	9	0.4
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	15	0.4
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	15	0.4
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	15	0.4
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	5	0.4
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	1	0.4
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	3	0.4
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	5	0.4
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	13	0.4
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	16	0.4
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	1	0.4
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	3	0.4
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	4	0.4
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	7	0.4
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	9	0.4
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	12	0.4
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	13	0.4
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	17	0.4
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	19	0.4
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	9	0.4
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	2	0.4
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	5	0.4
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	16	0.4
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	17	0.4
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	16	0.4
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	4	0.4
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	4	0.4
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	4	0.4
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	4	0.4
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	2	0.4
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	11	0.4
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	11	0.4
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	4	0.4
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	5	0.4
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	8	0.4
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	17	0.4
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	6	0.4
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	11	0.4
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	12	0.4
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	18	0.4
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	4	0.4
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	6	0.4
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	8	0.4
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	9	0.4
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	11	0.4
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	12	0.4
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	15	0.4
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	17	0.4
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	18	0.4
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	20	0.4
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	3	0.4
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	12	0.4
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	7	0.4
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	9	0.4
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	11	0.4
(1,4629)	1:364:A:LEU:H	1:356:A:TYR:H	19	0.4
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	17	0.4
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	3	0.4
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	8	0.4
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	9	0.4
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	10	0.4
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	11	0.4
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	17	0.4
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	10	0.4
(1,4525)	1:426:A:GLN:HE21	1:426:A:GLN:HB3	4	0.4
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	5	0.4
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	4	0.4
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	8	0.4
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	10	0.4
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	12	0.4
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	13	0.4
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	15	0.4
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	16	0.4
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	19	0.4
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	20	0.4
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	14	0.4
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	17	0.4
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	11	0.4
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	10	0.4
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	12	0.4
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	16	0.4
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	8	0.4
(1,4339)	1:372:A:LYS:H	1:372:A:LYS:HG2	8	0.4
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	13	0.4
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	13	0.4
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	13	0.4
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	5	0.4
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	9	0.4
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	14	0.4
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	5	0.4
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	6	0.4
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	15	0.4
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	5	0.4
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	4	0.4
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	4	0.4
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	17	0.4
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	3	0.4
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	7	0.4
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	8	0.4
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	12	0.4
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	16	0.4
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	15	0.4
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	15	0.4
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	15	0.4
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	15	0.4
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	3	0.4
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	3	0.4
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	3	0.4
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	5	0.4
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	5	0.4
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	5	0.4
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	12	0.4
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	12	0.4
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	12	0.4
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	18	0.4
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	1	0.4
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	10	0.4
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	17	0.4
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	2	0.4
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	6	0.4
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	7	0.4
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	4	0.4
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	6	0.4
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	7	0.4
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	10	0.4
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	11	0.4
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	15	0.4
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	16	0.4
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	17	0.4
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	19	0.4
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD11	12	0.4
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD12	12	0.4
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD13	12	0.4
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	7	0.4
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	1	0.4
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	1	0.4
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	1	0.4
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	1	0.4
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	1	0.4
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	1	0.4
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	9	0.4
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	10	0.4
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	12	0.4
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	1	0.4
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	1	0.4
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	14	0.4
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	14	0.4
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	8	0.4
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	8	0.4
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	9	0.4
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	9	0.4
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	1	0.4
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	1	0.4
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	8	0.4
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	8	0.4
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	13	0.4
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	13	0.4
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	15	0.4
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	15	0.4
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	17	0.4
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	17	0.4
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	18	0.4
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	18	0.4
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	19	0.4
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	19	0.4
(1,3671)	1:356:A:TYR:HE1	1:356:A:TYR:HB2	20	0.4
(1,3671)	1:356:A:TYR:HE2	1:356:A:TYR:HB2	20	0.4
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	14	0.4
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	14	0.4
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	14	0.4
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	14	0.4
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	14	0.4
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	14	0.4
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	19	0.4
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	12	0.4
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	19	0.4
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	19	0.4
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	19	0.4
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	6	0.4
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	6	0.4
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	6	0.4
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	2	0.4
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	2	0.4
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	2	0.4
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	2	0.4
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	5	0.4
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	5	0.4
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	5	0.4
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	1	0.4
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	6	0.4
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	10	0.4
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	6	0.4
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	14	0.4
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	13	0.4
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	11	0.4
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	11	0.4
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	11	0.4
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	11	0.4
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	3	0.4
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	3	0.4
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	3	0.4
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	8	0.4
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	8	0.4
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	8	0.4
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	9	0.4
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	9	0.4
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	9	0.4
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	14	0.4
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	14	0.4
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	14	0.4
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	19	0.4
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	19	0.4
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	19	0.4
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	20	0.4
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	20	0.4
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	20	0.4
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	19	0.4
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	2	0.4
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	17	0.4
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	9	0.4
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	9	0.4
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	9	0.4
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	14	0.4
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	14	0.4
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	14	0.4
(1,3241)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	1	0.4
(1,3241)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	13	0.4
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	6	0.4
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	7	0.4
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	6	0.4
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	1	0.4
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	3	0.4
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	6	0.4
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	7	0.4
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	8	0.4
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	12	0.4
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	15	0.4
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	19	0.4
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	2	0.4
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	3	0.4
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	6	0.4
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	7	0.4
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	10	0.4
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	11	0.4
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	13	0.4
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	15	0.4
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	16	0.4
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	17	0.4
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	18	0.4
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	19	0.4
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	20	0.4
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	10	0.4
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	1	0.4
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	6	0.4
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	6	0.4
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	6	0.4
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	18	0.4
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	18	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	18	0.4
(1,2983)	1:344:A:TYR:HB3	1:345:A:ILE:H	1	0.4
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	18	0.4
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	1	0.4
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	2	0.4
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	9	0.4
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	12	0.4
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	14	0.4
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	15	0.4
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	5	0.4
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	5	0.4
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	5	0.4
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	13	0.4
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	13	0.4
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	13	0.4
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	15	0.4
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	15	0.4
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	15	0.4
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	16	0.4
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	16	0.4
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	16	0.4
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	18	0.4
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	18	0.4
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	18	0.4
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	19	0.4
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	19	0.4
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	19	0.4
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	2	0.4
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	5	0.4
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	6	0.4
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	10	0.4
(1,2926)	1:453:A:LEU:HA	1:453:A:LEU:H	13	0.4
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	8	0.4
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	8	0.4
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	13	0.4
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	14	0.4
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	2	0.4
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	5	0.4
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	9	0.4
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	12	0.4
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	16	0.4
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	13	0.4
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	13	0.4
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	5	0.4
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	8	0.4
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	10	0.4
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	11	0.4
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	2	0.4
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	6	0.4
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	7	0.4
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	13	0.4
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	20	0.4
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	3	0.4
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	4	0.4
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	7	0.4
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	11	0.4
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	13	0.4
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	18	0.4
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	3	0.4
(1,2735)	1:435:A:LYS:HD3	1:435:A:LYS:HG2	9	0.4
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	6	0.4
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	10	0.4
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	18	0.4
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	20	0.4
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	1	0.4
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	3	0.4
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	4	0.4
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	8	0.4
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	12	0.4
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	18	0.4
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	14	0.4
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	7	0.4
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	7	0.4
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	7	0.4
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	8	0.4
(1,2664)	1:350:A:GLU:HB2	1:350:A:GLU:H	6	0.4
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	1	0.4
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	13	0.4
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	14	0.4
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	2	0.4
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	3	0.4
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	4	0.4
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	19	0.4
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	3	0.4
(1,2539)	1:372:A:LYS:HD3	1:372:A:LYS:HE2	11	0.4
(1,2531)	1:399:A:ASP:HB3	1:400:A:GLY:H	7	0.4
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	3	0.4
(1,2476)	1:356:A:TYR:HA	1:356:A:TYR:HB3	12	0.4
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	2	0.4
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	8	0.4
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	14	0.4
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	14	0.4
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	14	0.4
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	16	0.4
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	16	0.4
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	16	0.4
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	5	0.4
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	11	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	1	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	1	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	1	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	3	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	3	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	3	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	4	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	4	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	4	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	5	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	5	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	5	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	6	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	6	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	6	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	7	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	7	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	7	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	10	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	10	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	10	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	11	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	11	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	11	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	13	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	13	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	14	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	14	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	14	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	16	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	16	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	16	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	18	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	18	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	18	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	19	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	19	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	19	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	20	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	20	0.4
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	20	0.4
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	9	0.4
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	10	0.4
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	14	0.4
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	20	0.4
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	1	0.4
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	1	0.4
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	1	0.4
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	3	0.4
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	3	0.4
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	3	0.4
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	4	0.4
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	4	0.4
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	4	0.4
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	5	0.4
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	5	0.4
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	5	0.4
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	6	0.4
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	6	0.4
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	6	0.4
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	7	0.4
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	7	0.4
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	7	0.4
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	10	0.4
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	10	0.4
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	10	0.4
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	11	0.4
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	11	0.4
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	13	0.4
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	13	0.4
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	13	0.4
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	14	0.4
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	14	0.4
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	14	0.4
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	16	0.4
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	16	0.4
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	16	0.4
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	18	0.4
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	18	0.4
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	18	0.4
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	19	0.4
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	19	0.4
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	19	0.4
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	20	0.4
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	20	0.4
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	20	0.4
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	3	0.4
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	12	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	5	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	5	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	5	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	6	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	6	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	6	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	7	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	7	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	7	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	9	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	9	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	9	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	12	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	12	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	12	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	13	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	13	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	13	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	15	0.4
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	15	0.4
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	1	0.4
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	4	0.4
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	6	0.4
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	7	0.4
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	10	0.4
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	11	0.4
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	13	0.4
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	1	0.4
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	4	0.4
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	6	0.4
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	7	0.4
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	10	0.4
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	11	0.4
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	15	0.4
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	16	0.4
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	19	0.4
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	6	0.4
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	11	0.4
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	6	0.4
(1,2212)	1:420:A:ILE:HA	1:420:A:ILE:HB	19	0.4
(1,2211)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	14	0.4
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	2	0.4
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	3	0.4
(1,2152)	1:399:A:ASP:HB3	1:399:A:ASP:H	14	0.4
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	7	0.4
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	10	0.4
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	11	0.4
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	19	0.4
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	1	0.4
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	6	0.4
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	11	0.4
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	16	0.4
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	19	0.4
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	20	0.4
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	13	0.4
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	13	0.4
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	13	0.4
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	15	0.4
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	15	0.4
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	15	0.4
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	19	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	19	0.4
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	19	0.4
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	3	0.4
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	3	0.4
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	3	0.4
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	7	0.4
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	7	0.4
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	7	0.4
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	8	0.4
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	8	0.4
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	8	0.4
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	9	0.4
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	9	0.4
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	9	0.4
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	13	0.4
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	13	0.4
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	13	0.4
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	14	0.4
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	14	0.4
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	14	0.4
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	17	0.4
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	17	0.4
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	17	0.4
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	18	0.4
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	18	0.4
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	18	0.4
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	19	0.4
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	19	0.4
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	19	0.4
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	20	0.4
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	20	0.4
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	20	0.4
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	13	0.4
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	2	0.4
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	14	0.4
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	17	0.4
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	2	0.4
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	8	0.4
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	17	0.4
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	18	0.4
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	11	0.4
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	1	0.4
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	1	0.4
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	1	0.4
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	9	0.4
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	9	0.4
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	9	0.4
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	3	0.4
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	3	0.4
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	3	0.4
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	1	0.4
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	4	0.4
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	6	0.4
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	8	0.4
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	9	0.4
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	11	0.4
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	12	0.4
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	14	0.4
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	15	0.4
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	16	0.4
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	17	0.4
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	18	0.4
(1,1939)	1:461:A:THR:HA	1:461:A:THR:HB	19	0.4
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	1	0.4
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	2	0.4
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	4	0.4
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	6	0.4
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	8	0.4
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	12	0.4
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	18	0.4
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	19	0.4
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	10	0.4
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	18	0.4
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	18	0.4
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	11	0.4
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	13	0.4
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	18	0.4
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	14	0.4
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	14	0.4
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	14	0.4
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	20	0.4
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	20	0.4
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	12	0.4
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	17	0.4
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	2	0.4
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	3	0.4
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	1	0.4
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	1	0.4
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	7	0.4
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	7	0.4
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	8	0.4
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	8	0.4
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	14	0.4
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	14	0.4
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	17	0.4
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	17	0.4
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	10	0.4
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	5	0.4
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	5	0.4
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	5	0.4
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	6	0.4
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	6	0.4
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	6	0.4
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	7	0.4
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	7	0.4
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	7	0.4
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	9	0.4
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	9	0.4
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	9	0.4
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	12	0.4
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	12	0.4
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	12	0.4
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	13	0.4
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	13	0.4
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	13	0.4
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	15	0.4
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	15	0.4
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	15	0.4
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	3	0.4
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	15	0.4
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	20	0.4
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	12	0.4
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	12	0.4
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	13	0.4
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	18	0.4
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	20	0.4
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	2	0.4
(1,1398)	1:345:A:ILE:HA	1:346:A:GLU:H	12	0.4
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	2	0.4
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	3	0.4
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	4	0.4
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	7	0.4
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	8	0.4
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	13	0.4
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	19	0.4
(1,1358)	1:364:A:LEU:HB2	1:363:A:ALA:HA	20	0.4
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	11	0.4
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	8	0.4
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	17	0.4
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	18	0.4
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	1	0.4
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	3	0.4
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	3	0.4
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	3	0.4
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	3	0.4
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	3	0.4
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	3	0.4
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	3	0.4
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	3	0.4
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	3	0.4
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	4	0.4
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	4	0.4
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	4	0.4
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	4	0.4
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	4	0.4
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	4	0.4
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	4	0.4
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	4	0.4
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	4	0.4
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	8	0.4
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	8	0.4
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	8	0.4
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	8	0.4
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	8	0.4
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	8	0.4
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	8	0.4
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	8	0.4
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	1	0.4
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	1	0.4
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	1	0.4
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	2	0.4
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	2	0.4
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	2	0.4
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	4	0.4
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	4	0.4
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	4	0.4
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	5	0.4
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	5	0.4
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	5	0.4
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	6	0.4
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	6	0.4
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	6	0.4
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	7	0.4
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	7	0.4
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	7	0.4
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	8	0.4
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	8	0.4
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	8	0.4
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	9	0.4
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	9	0.4
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	9	0.4
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	10	0.4
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	10	0.4
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	10	0.4
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	11	0.4
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	11	0.4
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	11	0.4
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	12	0.4
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	12	0.4
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	12	0.4
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	13	0.4
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	13	0.4
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	13	0.4
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	15	0.4
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	15	0.4
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	17	0.4
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	17	0.4
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	17	0.4
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	18	0.4
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	18	0.4
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	18	0.4
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	19	0.4
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	19	0.4
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	19	0.4
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	4	0.4
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	5	0.4
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	9	0.4
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	11	0.4
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	15	0.4
(1,1273)	1:357:A:TYR:HB2	1:357:A:TYR:HA	18	0.4
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	1	0.4
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	4	0.4
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	6	0.4
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	8	0.4
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	9	0.4
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	11	0.4
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	12	0.4
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	14	0.4
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	15	0.4
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	16	0.4
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	17	0.4
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	18	0.4
(1,1259)	1:461:A:THR:HB	1:461:A:THR:HA	19	0.4
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	1	0.4
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	8	0.4
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	9	0.4
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	10	0.4
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	12	0.4
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	15	0.4
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	18	0.4
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	20	0.4
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	5	0.4
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	9	0.4
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	15	0.4
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	16	0.4
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	7	0.4
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	14	0.4
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	15	0.4
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	16	0.4
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	7	0.4
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	10	0.4
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	9	0.4
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	9	0.4
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	9	0.4
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	13	0.4
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	13	0.4
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	13	0.4
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	1	0.4
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	8	0.4
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	13	0.4
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	15	0.4
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	15	0.4
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	15	0.4
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	12	0.4
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	19	0.4
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	1	0.4
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	17	0.4
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	2	0.4
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	3	0.4
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	5	0.4
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	6	0.4
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	7	0.4
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	16	0.4
(1,800)	1:389:A:GLU:HB2	1:389:A:GLU:HA	18	0.4
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	3	0.4
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	7	0.4
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	15	0.4
(1,747)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	14	0.4
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	15	0.4
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	15	0.4
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	15	0.4
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	15	0.4
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	15	0.4
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	15	0.4
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	15	0.4
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	15	0.4
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	15	0.4
(1,743)	1:389:A:GLU:HG3	1:389:A:GLU:H	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	2	0.4
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	2	0.4
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	2	0.4
(1,662)	1:402:A:PRO:HB3	1:402:A:PRO:HA	17	0.4
(1,613)	1:407:A:VAL:HG21	1:408:A:ASN:H	12	0.4
(1,613)	1:407:A:VAL:HG22	1:408:A:ASN:H	12	0.4
(1,613)	1:407:A:VAL:HG23	1:408:A:ASN:H	12	0.4
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	1	0.4
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	2	0.4
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	3	0.4
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	4	0.4
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	5	0.4
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	6	0.4
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	8	0.4
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	9	0.4
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	11	0.4
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	13	0.4
(1,594)	1:352:A:GLN:HA	1:352:A:GLN:HB2	18	0.4
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	11	0.4
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	2	0.4
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	9	0.4
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	14	0.4
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	2	0.4
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	2	0.4
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	2	0.4
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	9	0.4
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	9	0.4
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	9	0.4
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	11	0.4
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	11	0.4
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	11	0.4
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	2	0.4
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	12	0.4
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	1	0.4
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	18	0.4
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	19	0.4
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	14	0.4
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	3	0.4
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	5	0.4
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	10	0.4
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	11	0.4
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	13	0.4
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	14	0.4
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	15	0.4
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	17	0.4
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	18	0.4
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	19	0.4
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	20	0.4
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	8	0.4
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	9	0.4
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	13	0.4
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	20	0.4
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	14	0.4
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	14	0.4
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	14	0.4
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	20	0.4
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	20	0.4
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	20	0.4
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	3	0.4
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	8	0.4
(1,78)	1:413:A:ILE:HG21	1:413:A:ILE:H	3	0.4
(1,78)	1:413:A:ILE:HG22	1:413:A:ILE:H	3	0.4
(1,78)	1:413:A:ILE:HG23	1:413:A:ILE:H	3	0.4
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	1	0.4
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	1	0.4
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	1	0.4
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	1	0.4
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	1	0.4
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	1	0.4
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	1	0.4
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	1	0.4
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	1	0.4
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	2	0.4
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	2	0.4
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	2	0.4
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	2	0.4
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	2	0.4
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	2	0.4
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	2	0.4
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	2	0.4
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	2	0.4
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	7	0.4
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	7	0.4
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	7	0.4
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	7	0.4
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	7	0.4
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	7	0.4
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	7	0.4
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	7	0.4
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	12	0.4
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	12	0.4
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	12	0.4
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	12	0.4
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	12	0.4
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	12	0.4
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	12	0.4
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	12	0.4
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	12	0.4
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	13	0.4
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	14	0.4
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	16	0.4
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	17	0.4
(1,4)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	12	0.4
(1,5004)	1:403:A:TYR:H	1:402:A:PRO:HD3	3	0.39
(1,4976)	1:408:A:ASN:HD22	1:407:A:VAL:HA	8	0.39
(1,4976)	1:408:A:ASN:HD22	1:407:A:VAL:HA	11	0.39
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	15	0.39
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	15	0.39
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	18	0.39
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	11	0.39
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	11	0.39
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	15	0.39
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	15	0.39
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	18	0.39
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	18	0.39
(1,4931)	1:381:A:VAL:H	1:380:A:GLY:HA3	15	0.39
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	20	0.39
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	6	0.39
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	7	0.39
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	2	0.39
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	8	0.39
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	17	0.39
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	17	0.39
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	17	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	4	0.39
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	4	0.39
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	4	0.39
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	15	0.39
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	1	0.39
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	17	0.39
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	19	0.39
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	8	0.39
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	8	0.39
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	15	0.39
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	15	0.39
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	16	0.39
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	16	0.39
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	20	0.39
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	13	0.39
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	1	0.39
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	6	0.39
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	10	0.39
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	11	0.39
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	18	0.39
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	19	0.39
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	1	0.39
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	3	0.39
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	10	0.39
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	14	0.39
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	17	0.39
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	19	0.39
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	3	0.39
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	13	0.39
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	5	0.39
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	11	0.39
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	16	0.39
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	9	0.39
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	16	0.39
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	1	0.39
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	4	0.39
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	11	0.39
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	15	0.39
(1,4663)	1:365:A:GLU:H	1:365:A:GLU:HB3	6	0.39
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	10	0.39
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	2	0.39
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	7	0.39
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	14	0.39
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	20	0.39
(1,4543)	1:407:A:VAL:H	1:406:A:PRO:HB3	5	0.39
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	12	0.39
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	19	0.39
(1,4501)	1:391:A:ALA:H	1:389:A:GLU:HB3	5	0.39
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	1	0.39
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	2	0.39
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	3	0.39
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	5	0.39
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	7	0.39
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	9	0.39
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	11	0.39
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	14	0.39
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	17	0.39
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	18	0.39
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	2	0.39
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	3	0.39
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	6	0.39
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	7	0.39
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	8	0.39
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	19	0.39
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	5	0.39
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	15	0.39
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	4	0.39
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	17	0.39
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	20	0.39
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	17	0.39
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	17	0.39
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	17	0.39
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	9	0.39
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	13	0.39
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	2	0.39
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	14	0.39
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	5	0.39
(1,4205)	1:444:A:ASN:H	1:444:A:ASN:HB2	9	0.39
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	11	0.39
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	15	0.39
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	15	0.39
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	4	0.39
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	12	0.39
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	18	0.39
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	6	0.39
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	1	0.39
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	4	0.39
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	12	0.39
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	17	0.39
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	6	0.39
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	12	0.39
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	12	0.39
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	12	0.39
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	20	0.39
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	20	0.39
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	20	0.39
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB1	7	0.39
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB2	7	0.39
(1,4063)	1:410:A:TRP:HE1	1:391:A:ALA:HB3	7	0.39
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	7	0.39
(1,4032)	1:355:A:TRP:H	1:355:A:TRP:HB2	9	0.39
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	9	0.39
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	10	0.39
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD11	10	0.39
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD12	10	0.39
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD13	10	0.39
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	4	0.39
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	4	0.39
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	5	0.39
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	6	0.39
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	8	0.39
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	11	0.39
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	17	0.39
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	20	0.39
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	20	0.39
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	20	0.39
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	1	0.39
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	4	0.39
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	9	0.39
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	11	0.39
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	11	0.39
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	11	0.39
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	11	0.39
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	11	0.39
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	18	0.39
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	18	0.39
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	18	0.39
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	18	0.39
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	18	0.39
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	18	0.39
(1,3803)	1:415:A:TRP:HE3	1:414:A:ASP:HA	10	0.39
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD21	16	0.39
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD22	16	0.39
(1,3767)	1:425:A:TRP:HH2	1:393:A:LEU:HD23	16	0.39
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	4	0.39
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	4	0.39
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	11	0.39
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	11	0.39
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	14	0.39
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	14	0.39
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	17	0.39
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	17	0.39
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	17	0.39
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	17	0.39
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	17	0.39
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	17	0.39
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	17	0.39
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	17	0.39
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	5	0.39
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	5	0.39
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	5	0.39
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	15	0.39
(1,3505)	1:377:A:THR:HA	1:376:A:PRO:HB3	6	0.39
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	8	0.39
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	9	0.39
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	12	0.39
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	7	0.39
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	7	0.39
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	7	0.39
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	10	0.39
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	20	0.39
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	4	0.39
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	10	0.39
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	12	0.39
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	15	0.39
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	18	0.39
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	19	0.39
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	20	0.39
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	20	0.39
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	14	0.39
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	17	0.39
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	2	0.39
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	2	0.39
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	2	0.39
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	4	0.39
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	4	0.39
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	4	0.39
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	5	0.39
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	5	0.39
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	5	0.39
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	7	0.39
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	7	0.39
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	7	0.39
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	11	0.39
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	11	0.39
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	11	0.39
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	13	0.39
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	13	0.39
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	13	0.39
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	17	0.39
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	17	0.39
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	17	0.39
(1,3377)	1:402:A:PRO:HD3	1:402:A:PRO:HA	17	0.39
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	11	0.39
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	16	0.39
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	5	0.39
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	7	0.39
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	9	0.39
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	10	0.39
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	11	0.39
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	13	0.39
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	1	0.39
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	1	0.39
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	1	0.39
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	4	0.39
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	4	0.39
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	8	0.39
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	8	0.39
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	8	0.39
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	18	0.39
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	18	0.39
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	18	0.39
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	6	0.39
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	6	0.39
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	6	0.39
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	6	0.39
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	6	0.39
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	6	0.39
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	6	0.39
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	6	0.39
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	6	0.39
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	3	0.39
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	5	0.39
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	6	0.39
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	7	0.39
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	10	0.39
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	12	0.39
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	13	0.39
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	14	0.39
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	16	0.39
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	17	0.39
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	20	0.39
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	4	0.39
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	10	0.39
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	13	0.39
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	14	0.39
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	17	0.39
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	18	0.39
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	20	0.39
(1,3126)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	3	0.39
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	1	0.39
(1,3079)	1:357:A:TYR:HA	1:357:A:TYR:H	4	0.39
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	6	0.39
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD21	15	0.39
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD22	15	0.39
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD23	15	0.39
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	14	0.39
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	14	0.39
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	17	0.39
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	17	0.39
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	17	0.39
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	19	0.39
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	19	0.39
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	19	0.39
(1,2988)	1:443:A:ILE:HG21	1:443:A:ILE:HG12	20	0.39
(1,2988)	1:443:A:ILE:HG22	1:443:A:ILE:HG12	20	0.39
(1,2988)	1:443:A:ILE:HG23	1:443:A:ILE:HG12	20	0.39
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	11	0.39
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	18	0.39
(1,2969)	1:451:A:LYS:HB2	1:451:A:LYS:HA	19	0.39
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	3	0.39
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	3	0.39
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	3	0.39
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	6	0.39
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	6	0.39
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	6	0.39
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	15	0.39
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	8	0.39
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	10	0.39
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	17	0.39
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	19	0.39
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	20	0.39
(1,2871)	1:450:A:MET:HE1	1:454:A:PHE:HB2	10	0.39
(1,2871)	1:450:A:MET:HE2	1:454:A:PHE:HB2	10	0.39
(1,2871)	1:450:A:MET:HE3	1:454:A:PHE:HB2	10	0.39
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	12	0.39
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	17	0.39
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	7	0.39
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	13	0.39
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	18	0.39
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	1	0.39
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	3	0.39
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	4	0.39
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	8	0.39
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	9	0.39
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	12	0.39
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	16	0.39
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	19	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	2	0.39
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	8	0.39
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	9	0.39
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	14	0.39
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	17	0.39
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	19	0.39
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	20	0.39
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	15	0.39
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	5	0.39
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	6	0.39
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	9	0.39
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	11	0.39
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	15	0.39
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	17	0.39
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	19	0.39
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	20	0.39
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	20	0.39
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	20	0.39
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	9	0.39
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	17	0.39
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	18	0.39
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	1	0.39
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	20	0.39
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	11	0.39
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	19	0.39
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	7	0.39
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	7	0.39
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	7	0.39
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	18	0.39
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	11	0.39
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	14	0.39
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	7	0.39
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	7	0.39
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	7	0.39
(1,2421)	1:382:A:PHE:HB3	1:382:A:PHE:H	2	0.39
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	8	0.39
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	14	0.39
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	15	0.39
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	17	0.39
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	2	0.39
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	2	0.39
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	8	0.39
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	8	0.39
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	8	0.39
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	15	0.39
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	15	0.39
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	15	0.39
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	8	0.39
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	8	0.39
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	8	0.39
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	15	0.39
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	15	0.39
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	15	0.39
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	16	0.39
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	16	0.39
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	16	0.39
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	17	0.39
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	17	0.39
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	17	0.39
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	19	0.39
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	19	0.39
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	19	0.39
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	4	0.39
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	2	0.39
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	2	0.39
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	2	0.39
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	8	0.39
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	8	0.39
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	8	0.39
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	15	0.39
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	15	0.39
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	15	0.39
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	7	0.39
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	18	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	1	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	1	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	1	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	2	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	2	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	2	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	3	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	3	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	4	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	4	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	4	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	8	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	8	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	8	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	10	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	10	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	10	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	11	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	11	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	11	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	14	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	14	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	14	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	16	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	16	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	16	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	17	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	17	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	17	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	18	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	18	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	18	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	19	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	19	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	19	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG21	20	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG22	20	0.39
(1,2317)	1:366:A:THR:HB	1:366:A:THR:HG23	20	0.39
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	8	0.39
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	12	0.39
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	15	0.39
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	16	0.39
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	18	0.39
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	20	0.39
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	8	0.39
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	13	0.39
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	14	0.39
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	18	0.39
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	20	0.39
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	1	0.39
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	14	0.39
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	16	0.39
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	5	0.39
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	6	0.39
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	16	0.39
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	14	0.39
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	16	0.39
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	10	0.39
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	8	0.39
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	13	0.39
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	14	0.39
(1,2105)	1:358:A:LYS:HE2	1:358:A:LYS:HG3	18	0.39
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	17	0.39
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	3	0.39
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	3	0.39
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	3	0.39
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	4	0.39
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	4	0.39
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	4	0.39
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	20	0.39
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	20	0.39
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	20	0.39
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	1	0.39
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	1	0.39
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	1	0.39
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	2	0.39
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	2	0.39
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	2	0.39
(1,2077)	1:407:A:VAL:HG21	1:407:A:VAL:HB	11	0.39
(1,2077)	1:407:A:VAL:HG22	1:407:A:VAL:HB	11	0.39
(1,2077)	1:407:A:VAL:HG23	1:407:A:VAL:HB	11	0.39
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	5	0.39
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	19	0.39
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	3	0.39
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	18	0.39
(1,2045)	1:341:A:GLU:HB3	1:341:A:GLU:H	17	0.39
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	10	0.39
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	6	0.39
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	7	0.39
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	12	0.39
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	3	0.39
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	5	0.39
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	15	0.39
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	11	0.39
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	11	0.39
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	11	0.39
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	15	0.39
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	15	0.39
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	15	0.39
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	8	0.39
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	8	0.39
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	8	0.39
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	20	0.39
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	6	0.39
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	7	0.39
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	12	0.39
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	15	0.39
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	3	0.39
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	7	0.39
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	10	0.39
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	14	0.39
(1,1907)	1:437:A:ARG:HB3	1:437:A:ARG:HA	20	0.39
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	13	0.39
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	16	0.39
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	14	0.39
(1,1814)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	10	0.39
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	5	0.39
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	8	0.39
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	20	0.39
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	9	0.39
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	9	0.39
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	9	0.39
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	1	0.39
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	1	0.39
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	1	0.39
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	8	0.39
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	8	0.39
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	8	0.39
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	11	0.39
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	11	0.39
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	11	0.39
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	12	0.39
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	12	0.39
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	15	0.39
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	15	0.39
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	15	0.39
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	18	0.39
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	18	0.39
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	18	0.39
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	19	0.39
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	19	0.39
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	19	0.39
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	4	0.39
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	4	0.39
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	4	0.39
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	4	0.39
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	4	0.39
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	4	0.39
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	2	0.39
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG11	5	0.39
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG12	5	0.39
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG13	5	0.39
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	7	0.39
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	1	0.39
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	1	0.39
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	1	0.39
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	2	0.39
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	2	0.39
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	2	0.39
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	3	0.39
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	3	0.39
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	3	0.39
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	4	0.39
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	4	0.39
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	4	0.39
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	8	0.39
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	8	0.39
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	8	0.39
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	10	0.39
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	10	0.39
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	10	0.39
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	11	0.39
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	11	0.39
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	14	0.39
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	14	0.39
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	14	0.39
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	16	0.39
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	16	0.39
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	16	0.39
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	17	0.39
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	17	0.39
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	17	0.39
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	18	0.39
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	18	0.39
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	18	0.39
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	19	0.39
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	19	0.39
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	19	0.39
(1,1579)	1:366:A:THR:HG21	1:366:A:THR:HB	20	0.39
(1,1579)	1:366:A:THR:HG22	1:366:A:THR:HB	20	0.39
(1,1579)	1:366:A:THR:HG23	1:366:A:THR:HB	20	0.39
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	5	0.39
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	6	0.39
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	11	0.39
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	12	0.39
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	14	0.39
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	19	0.39
(1,1554)	1:361:A:LYS:HG2	1:361:A:LYS:H	8	0.39
(1,1544)	1:393:A:LEU:HD21	1:421:A:HIS:HB2	8	0.39
(1,1544)	1:393:A:LEU:HD22	1:421:A:HIS:HB2	8	0.39
(1,1544)	1:393:A:LEU:HD23	1:421:A:HIS:HB2	8	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	1	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	1	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	1	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	2	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	2	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	2	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	3	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	3	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	3	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	4	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	4	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	4	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	5	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	5	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	6	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	6	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	6	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	7	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	7	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	7	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	8	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	8	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	8	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	9	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	9	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	9	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	10	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	10	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	10	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	11	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	11	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	11	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	12	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	12	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	12	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	13	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	13	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	13	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	14	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	14	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	14	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	15	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	15	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	15	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	16	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	16	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	16	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	17	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	17	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	17	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	18	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	18	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	18	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	19	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	19	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	19	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG11	20	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG12	20	0.39
(1,1526)	1:384:A:VAL:HB	1:384:A:VAL:HG13	20	0.39
(1,1463)	1:451:A:LYS:HG3	1:451:A:LYS:HE2	16	0.39
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	5	0.39
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	5	0.39
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	5	0.39
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	2	0.39
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	3	0.39
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	4	0.39
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	5	0.39
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	6	0.39
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	7	0.39
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	8	0.39
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	9	0.39
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	10	0.39
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	12	0.39
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	14	0.39
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	15	0.39
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	16	0.39
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	19	0.39
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	5	0.39
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	1	0.39
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	9	0.39
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	11	0.39
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	15	0.39
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	19	0.39
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	9	0.39
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	16	0.39
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	2	0.39
(1,1346)	1:394:A:LYS:HG2	1:394:A:LYS:HE3	5	0.39
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	3	0.39
(1,1316)	1:388:A:GLU:HG3	1:388:A:GLU:HB2	18	0.39
(1,1305)	1:349:A:LEU:HD11	1:349:A:LEU:HG	16	0.39
(1,1305)	1:349:A:LEU:HD12	1:349:A:LEU:HG	16	0.39
(1,1305)	1:349:A:LEU:HD13	1:349:A:LEU:HG	16	0.39
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	2	0.39
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	17	0.39
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	18	0.39
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	20	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1236)	1:450:A:MET:HG2	1:450:A:MET:HE1	19	0.39
(1,1236)	1:450:A:MET:HG2	1:450:A:MET:HE2	19	0.39
(1,1236)	1:450:A:MET:HG2	1:450:A:MET:HE3	19	0.39
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	15	0.39
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	15	0.39
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	15	0.39
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	2	0.39
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	5	0.39
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	8	0.39
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	12	0.39
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	14	0.39
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	4	0.39
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	4	0.39
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	4	0.39
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	4	0.39
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	4	0.39
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	4	0.39
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE1	6	0.39
(1,1193)	1:457:A:VAL:HG11	1:356:A:TYR:HE2	6	0.39
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE1	6	0.39
(1,1193)	1:457:A:VAL:HG12	1:356:A:TYR:HE2	6	0.39
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE1	6	0.39
(1,1193)	1:457:A:VAL:HG13	1:356:A:TYR:HE2	6	0.39
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	16	0.39
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	13	0.39
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	16	0.39
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	8	0.39
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	19	0.39
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	3	0.39
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	11	0.39
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	13	0.39
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	18	0.39
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	3	0.39
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	5	0.39
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	12	0.39
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	18	0.39
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	19	0.39
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	11	0.39
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	5	0.39
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	5	0.39
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	5	0.39
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	6	0.39
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	6	0.39
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	16	0.39
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	16	0.39
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	16	0.39
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	3	0.39
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	6	0.39
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	9	0.39
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	12	0.39
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	2	0.39
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	4	0.39
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	4	0.39
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	4	0.39
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	6	0.39
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	6	0.39
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	6	0.39
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	10	0.39
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	10	0.39
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	10	0.39
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	12	0.39
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	12	0.39
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	12	0.39
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	2	0.39
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	12	0.39
(1,812)	1:341:A:GLU:HG2	1:341:A:GLU:H	6	0.39
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	2	0.39
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	14	0.39
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	1	0.39
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	1	0.39
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	1	0.39
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	1	0.39
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	1	0.39
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	1	0.39
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	1	0.39
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	1	0.39
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	1	0.39
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	12	0.39
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	20	0.39
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	6	0.39
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	6	0.39
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	6	0.39
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	3	0.39
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	5	0.39
(1,669)	1:411:A:MET:HA	1:411:A:MET:HB2	7	0.39
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	4	0.39
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	6	0.39
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	10	0.39
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	11	0.39
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	18	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	1	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	3	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	4	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	5	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	6	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	7	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	8	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	10	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	11	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	12	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	13	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	14	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	15	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	16	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	17	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	18	0.39
(1,566)	1:450:A:MET:HB3	1:450:A:MET:HA	20	0.39
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	4	0.39
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	4	0.39
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	4	0.39
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	13	0.39
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	13	0.39
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	13	0.39
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	18	0.39
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	18	0.39
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	18	0.39
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	3	0.39
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	13	0.39
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	19	0.39
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	15	0.39
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	6	0.39
(1,258)	1:401:A:THR:HA	1:401:A:THR:H	4	0.39
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	7	0.39
(1,253)	1:395:A:GLY:HA2	1:396:A:THR:H	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:395:A:GLY:HA2	1:396:A:THR:H	9	0.39
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	11	0.39
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	14	0.39
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	16	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	1	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	1	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	1	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	8	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	8	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	8	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	11	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	11	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	11	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	12	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	12	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	12	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	15	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	15	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	15	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	18	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	18	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	18	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	19	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	19	0.39
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	19	0.39
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	11	0.39
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	11	0.39
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	11	0.39
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	18	0.39
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	6	0.39
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	6	0.39
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	6	0.39
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	6	0.39
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	6	0.39
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	6	0.39
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	6	0.39
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	6	0.39
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	6	0.39
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	9	0.39
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	9	0.39
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	9	0.39
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	9	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	9	0.39
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	9	0.39
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	9	0.39
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	9	0.39
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	9	0.39
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	15	0.39
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	15	0.39
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	15	0.39
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	15	0.39
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	15	0.39
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	15	0.39
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	15	0.39
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	15	0.39
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	15	0.39
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	5	0.39
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	11	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	1	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	1	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	1	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	2	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	2	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	2	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	3	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	3	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	3	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	4	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	4	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	4	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	6	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	6	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	6	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	7	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	7	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	7	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	8	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	8	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	8	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	9	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	9	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	9	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	10	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	10	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	11	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	11	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	11	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	12	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	12	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	12	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	13	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	13	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	13	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	14	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	14	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	14	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	15	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	15	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	15	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	17	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	17	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	17	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	18	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	18	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	18	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	19	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	19	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	19	0.39
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	20	0.39
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	20	0.39
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	20	0.39
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	1	0.39
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	1	0.39
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	1	0.39
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	2	0.39
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	2	0.39
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	2	0.39
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	4	0.39
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	4	0.39
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	4	0.39
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	7	0.39
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	7	0.39
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	7	0.39
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	8	0.39
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	8	0.39
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	9	0.39
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	9	0.39
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	9	0.39
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	10	0.39
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	10	0.39
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	10	0.39
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	11	0.39
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	11	0.39
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	11	0.39
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	12	0.39
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	12	0.39
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	12	0.39
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	13	0.39
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	13	0.39
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	13	0.39
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	14	0.39
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	14	0.39
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	14	0.39
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	15	0.39
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	15	0.39
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	15	0.39
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	17	0.39
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	17	0.39
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	17	0.39
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	18	0.39
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	18	0.39
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	18	0.39
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	20	0.39
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	20	0.39
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	20	0.39
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	1	0.39
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	4	0.39
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	15	0.39
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	18	0.39
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	19	0.39
(1,4976)	1:408:A:ASN:HD22	1:407:A:VAL:HA	17	0.38
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	2	0.38
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	6	0.38
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	14	0.38
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	17	0.38
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	12	0.38
(1,4900)	1:448:A:SER:H	1:447:A:PRO:HB2	10	0.38
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	19	0.38
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	5	0.38
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	9	0.38
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	11	0.38
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	16	0.38
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	5	0.38
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	5	0.38
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	5	0.38
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	2	0.38
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	8	0.38
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	1	0.38
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	1	0.38
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	7	0.38
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	7	0.38
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	18	0.38
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	3	0.38
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	20	0.38
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	2	0.38
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	4	0.38
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	5	0.38
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	9	0.38
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	8	0.38
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	2	0.38
(1,4752)	1:347:A:VAL:H	1:464:A:LEU:HB3	7	0.38
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	3	0.38
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	8	0.38
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	3	0.38
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	12	0.38
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	18	0.38
(1,4557)	1:347:A:VAL:H	1:346:A:GLU:HA	12	0.38
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	2	0.38
(1,4488)	1:434:A:TRP:H	1:434:A:TRP:HA	6	0.38
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	1	0.38
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	4	0.38
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	12	0.38
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	13	0.38
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	15	0.38
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	18	0.38
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	20	0.38
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4409)	1:408:A:ASN:HD22	1:408:A:ASN:H	3	0.38
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	20	0.38
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	4	0.38
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	8	0.38
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	11	0.38
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	12	0.38
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	14	0.38
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	2	0.38
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	5	0.38
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	19	0.38
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	16	0.38
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	16	0.38
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	3	0.38
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	8	0.38
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	7	0.38
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	15	0.38
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	9	0.38
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	11	0.38
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	7	0.38
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	19	0.38
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	19	0.38
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	19	0.38
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	3	0.38
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	4	0.38
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	8	0.38
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	18	0.38
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	3	0.38
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	7	0.38
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	4	0.38
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	8	0.38
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	13	0.38
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	18	0.38
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	20	0.38
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	2	0.38
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	2	0.38
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	2	0.38
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	5	0.38
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	5	0.38
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	5	0.38
(1,3978)	1:368:A:ILE:H	1:367:A:ASP:HA	1	0.38
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	7	0.38
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	6	0.38
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	8	0.38
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	8	0.38
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	8	0.38
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	8	0.38
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	8	0.38
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	8	0.38
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	16	0.38
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	16	0.38
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	16	0.38
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	16	0.38
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	16	0.38
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	16	0.38
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	2	0.38
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	2	0.38
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	4	0.38
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	4	0.38
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	4	0.38
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	6	0.38
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	6	0.38
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	6	0.38
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	8	0.38
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	8	0.38
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	8	0.38
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	9	0.38
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	9	0.38
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	9	0.38
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	13	0.38
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	13	0.38
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	13	0.38
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	8	0.38
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	11	0.38
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	20	0.38
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	19	0.38
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	19	0.38
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	19	0.38
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	1	0.38
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	1	0.38
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	2	0.38
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	2	0.38
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	3	0.38
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	7	0.38
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	7	0.38
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	8	0.38
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	8	0.38
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	9	0.38
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	9	0.38
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	12	0.38
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	12	0.38
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	16	0.38
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	16	0.38
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	18	0.38
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	18	0.38
(1,3586)	1:466:A:PHE:HE1	1:348:A:ASP:HB2	12	0.38
(1,3586)	1:466:A:PHE:HE2	1:348:A:ASP:HB2	12	0.38
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	4	0.38
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	4	0.38
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	2	0.38
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	3	0.38
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	7	0.38
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	2	0.38
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	4	0.38
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	6	0.38
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	7	0.38
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	11	0.38
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	13	0.38
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	14	0.38
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	15	0.38
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	16	0.38
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	17	0.38
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	18	0.38
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	19	0.38
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	3	0.38
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	3	0.38
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	3	0.38
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE1	6	0.38
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE2	6	0.38
(1,3493)	1:411:A:MET:HB3	1:411:A:MET:HE3	6	0.38
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	9	0.38
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	12	0.38
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	2	0.38
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	3	0.38
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	6	0.38
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	7	0.38
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	8	0.38
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	9	0.38
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	11	0.38
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	16	0.38
(1,3486)	1:383:A:TYR:HB2	1:383:A:TYR:HA	17	0.38
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	2	0.38
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	2	0.38
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	2	0.38
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	5	0.38
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	5	0.38
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	5	0.38
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	6	0.38
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	6	0.38
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	6	0.38
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	13	0.38
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	16	0.38
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	10	0.38
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	10	0.38
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	10	0.38
(1,3385)	1:368:A:ILE:HD11	1:368:A:ILE:HB	12	0.38
(1,3385)	1:368:A:ILE:HD12	1:368:A:ILE:HB	12	0.38
(1,3385)	1:368:A:ILE:HD13	1:368:A:ILE:HB	12	0.38
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	7	0.38
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	7	0.38
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	1	0.38
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	4	0.38
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	17	0.38
(1,3328)	1:451:A:LYS:HB3	1:451:A:LYS:HE2	20	0.38
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	6	0.38
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	12	0.38
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	3	0.38
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	3	0.38
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	3	0.38
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	17	0.38
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	17	0.38
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	17	0.38
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	5	0.38
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	5	0.38
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	5	0.38
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	5	0.38
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	5	0.38
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	5	0.38
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	5	0.38
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	5	0.38
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	1	0.38
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	2	0.38
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	4	0.38
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	8	0.38
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	9	0.38
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	11	0.38
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	15	0.38
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	18	0.38
(1,3247)	1:447:A:PRO:HD2	1:447:A:PRO:HG3	19	0.38
(1,3241)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	11	0.38
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	16	0.38
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	19	0.38
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	2	0.38
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	5	0.38
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	9	0.38
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	11	0.38
(1,3143)	1:354:A:MET:HG3	1:354:A:MET:HB2	16	0.38
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	15	0.38
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	17	0.38
(1,3014)	1:412:A:PRO:HG3	1:386:A:ASN:HB3	18	0.38
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	2	0.38
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	2	0.38
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	2	0.38
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	12	0.38
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	12	0.38
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	12	0.38
(1,2931)	1:366:A:THR:HG21	1:366:A:THR:HG1	20	0.38
(1,2931)	1:366:A:THR:HG22	1:366:A:THR:HG1	20	0.38
(1,2931)	1:366:A:THR:HG23	1:366:A:THR:HG1	20	0.38
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	1	0.38
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	5	0.38
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	13	0.38
(1,2897)	1:406:A:PRO:HD3	1:405:A:SER:HB2	2	0.38
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	6	0.38
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	3	0.38
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	4	0.38
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	13	0.38
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	14	0.38
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	15	0.38
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	15	0.38
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	5	0.38
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	6	0.38
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	9	0.38
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	11	0.38
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	14	0.38
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	15	0.38
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	18	0.38
(1,2756)	1:405:A:SER:HB3	1:405:A:SER:HA	1	0.38
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	12	0.38
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	12	0.38
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	5	0.38
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	13	0.38
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	2	0.38
(1,2704)	1:354:A:MET:HG3	1:354:A:MET:HA	7	0.38
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	8	0.38
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	6	0.38
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	6	0.38
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	6	0.38
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	5	0.38
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	6	0.38
(1,2584)	1:365:A:GLU:HG2	1:365:A:GLU:HB3	12	0.38
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG11	5	0.38
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG12	5	0.38
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG13	5	0.38
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG11	5	0.38
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG12	5	0.38
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG13	5	0.38
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG11	5	0.38
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG12	5	0.38
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG13	5	0.38
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	5	0.38
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	6	0.38
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	15	0.38
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	20	0.38
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	18	0.38
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	2	0.38
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	2	0.38
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	3	0.38
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	3	0.38
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	3	0.38
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	9	0.38
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	16	0.38
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	20	0.38
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	1	0.38
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	3	0.38
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	4	0.38
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	6	0.38
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	10	0.38
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	12	0.38
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	18	0.38
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	19	0.38
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	13	0.38
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	13	0.38
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	13	0.38
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	11	0.38
(1,2334)	1:426:A:GLN:HB2	1:427:A:PRO:HD2	10	0.38
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	11	0.38
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	3	0.38
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	6	0.38
(1,2279)	1:365:A:GLU:HB3	1:365:A:GLU:HG2	12	0.38
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	16	0.38
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	2	0.38
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	3	0.38
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	4	0.38
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	5	0.38
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	7	0.38
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	8	0.38
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	9	0.38
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	10	0.38
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	11	0.38
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	12	0.38
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	13	0.38
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	15	0.38
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	17	0.38
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	18	0.38
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	19	0.38
(1,2221)	1:454:A:PHE:HB3	1:454:A:PHE:HA	20	0.38
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	4	0.38
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	20	0.38
(1,2150)	1:402:A:PRO:HB3	1:403:A:TYR:HA	5	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	1	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	1	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	1	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	2	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	2	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	2	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	3	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	3	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	3	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	4	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	4	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	4	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	5	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	5	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	5	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	6	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	6	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	6	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	7	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	7	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	7	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	8	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	8	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	8	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	9	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	9	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	9	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	10	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	10	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	10	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	11	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	11	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	11	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	12	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	12	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	12	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	13	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	13	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	13	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	14	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	14	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	15	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	15	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	15	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	16	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	16	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	16	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	17	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	17	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	17	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	18	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	18	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	18	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	19	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	19	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	19	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG21	20	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG22	20	0.38
(1,2122)	1:384:A:VAL:HB	1:384:A:VAL:HG23	20	0.38
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	11	0.38
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	12	0.38
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	10	0.38
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	10	0.38
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	10	0.38
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	12	0.38
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	12	0.38
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	12	0.38
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	12	0.38
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	8	0.38
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	14	0.38
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	19	0.38
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	1	0.38
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	2	0.38
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	3	0.38
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	4	0.38
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	5	0.38
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	8	0.38
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	9	0.38
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	10	0.38
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	11	0.38
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	14	0.38
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	16	0.38
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	17	0.38
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	18	0.38
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	19	0.38
(1,2034)	1:443:A:ILE:HB	1:443:A:ILE:HG13	20	0.38
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	11	0.38
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	19	0.38
(1,1988)	1:422:A:ASP:HA	1:421:A:HIS:H	2	0.38
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	2	0.38
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	1	0.38
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	1	0.38
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	1	0.38
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	13	0.38
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	13	0.38
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	13	0.38
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	20	0.38
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	20	0.38
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	20	0.38
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	1	0.38
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	4	0.38
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	7	0.38
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	14	0.38
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	1	0.38
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	2	0.38
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	3	0.38
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	4	0.38
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	5	0.38
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	8	0.38
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	9	0.38
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	10	0.38
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	11	0.38
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	13	0.38
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	14	0.38
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	16	0.38
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	17	0.38
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	18	0.38
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	19	0.38
(1,1914)	1:443:A:ILE:HG13	1:443:A:ILE:HB	20	0.38
(1,1913)	1:361:A:LYS:HD3	1:361:A:LYS:HB2	8	0.38
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	8	0.38
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	9	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	11	0.38
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	12	0.38
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	17	0.38
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	9	0.38
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	6	0.38
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	6	0.38
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	6	0.38
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	7	0.38
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	7	0.38
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	7	0.38
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	7	0.38
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	8	0.38
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	12	0.38
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	13	0.38
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	13	0.38
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	19	0.38
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	19	0.38
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	20	0.38
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	20	0.38
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	5	0.38
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	11	0.38
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	17	0.38
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	2	0.38
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	7	0.38
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	8	0.38
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	9	0.38
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	10	0.38
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	16	0.38
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	12	0.38
(1,1479)	1:402:A:PRO:HB2	1:403:A:TYR:H	4	0.38
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	1	0.38
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	1	0.38
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	1	0.38
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	1	0.38
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	17	0.38
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	17	0.38
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	2	0.38
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	3	0.38
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	4	0.38
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	5	0.38
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	6	0.38
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	10	0.38
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	12	0.38
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	13	0.38
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	14	0.38
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	16	0.38
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	17	0.38
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	18	0.38
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	20	0.38
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	1	0.38
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	2	0.38
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	3	0.38
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	4	0.38
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	5	0.38
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	6	0.38
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	7	0.38
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	8	0.38
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	10	0.38
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	12	0.38
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	13	0.38
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	14	0.38
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	15	0.38
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	18	0.38
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	19	0.38
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	20	0.38
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	10	0.38
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	13	0.38
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	19	0.38
(1,1288)	1:451:A:LYS:HB3	1:451:A:LYS:HD3	8	0.38
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	6	0.38
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	9	0.38
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	11	0.38
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	12	0.38
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	1	0.38
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	3	0.38
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	4	0.38
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	6	0.38
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	7	0.38
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	9	0.38
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	10	0.38
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	11	0.38
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	15	0.38
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	17	0.38
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	18	0.38
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	19	0.38
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	20	0.38
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	4	0.38
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	13	0.38
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	13	0.38
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	17	0.38
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	19	0.38
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	10	0.38
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	7	0.38
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	10	0.38
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	13	0.38
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	18	0.38
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	7	0.38
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	14	0.38
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	5	0.38
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	9	0.38
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	2	0.38
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	7	0.38
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	8	0.38
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	6	0.38
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	2	0.38
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	15	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	1	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	1	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	1	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	2	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	2	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	2	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	3	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	3	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	3	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	4	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	4	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	4	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	6	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	6	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	6	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	7	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	7	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	8	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	8	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	8	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	9	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	9	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	9	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	10	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	10	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	10	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	11	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	11	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	11	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	12	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	12	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	12	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	13	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	13	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	13	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	14	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	14	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	14	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	15	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	15	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	15	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	16	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	16	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	16	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	17	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	17	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	17	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	18	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	18	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	18	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	19	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	19	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	19	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	20	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	20	0.38
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	20	0.38
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	1	0.38
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	4	0.38
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	8	0.38
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	17	0.38
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	11	0.38
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	11	0.38
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	11	0.38
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	6	0.38
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	6	0.38
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	6	0.38
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	1	0.38
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	2	0.38
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	17	0.38
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	3	0.38
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	1	0.38
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	1	0.38
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	1	0.38
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	14	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	1	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	1	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	1	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	2	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	2	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	2	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	3	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	3	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	3	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	4	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	4	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	4	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	5	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	5	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	5	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	6	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	6	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	6	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	7	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	7	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	7	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	8	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	8	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	8	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	9	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	9	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	9	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	10	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	10	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	10	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	11	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	11	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	11	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	12	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	12	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	12	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	13	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	13	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	13	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	14	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	14	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	14	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	15	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	15	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	15	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	16	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	16	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	16	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	17	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	17	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	17	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	18	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	18	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	18	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	19	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	19	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	19	0.38
(1,815)	1:465:A:VAL:HG11	1:465:A:VAL:HB	20	0.38
(1,815)	1:465:A:VAL:HG12	1:465:A:VAL:HB	20	0.38
(1,815)	1:465:A:VAL:HG13	1:465:A:VAL:HB	20	0.38
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	4	0.38
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	19	0.38
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	5	0.38
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	5	0.38
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	5	0.38
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	5	0.38
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	5	0.38
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	5	0.38
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	5	0.38
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	5	0.38
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	19	0.38
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	19	0.38
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	19	0.38
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	5	0.38
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	16	0.38
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	17	0.38
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	18	0.38
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	5	0.38
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	5	0.38
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	5	0.38
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	1	0.38
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	2	0.38
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	3	0.38
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	4	0.38
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	8	0.38
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	9	0.38
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	10	0.38
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	11	0.38
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	13	0.38
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	14	0.38
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	15	0.38
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	16	0.38
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	17	0.38
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	19	0.38
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	20	0.38
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	9	0.38
(1,613)	1:407:A:VAL:HG21	1:408:A:ASN:H	6	0.38
(1,613)	1:407:A:VAL:HG22	1:408:A:ASN:H	6	0.38
(1,613)	1:407:A:VAL:HG23	1:408:A:ASN:H	6	0.38
(1,580)	1:359:A:ASP:HB2	1:358:A:LYS:HG3	17	0.38
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	1	0.38
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	9	0.38
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	13	0.38
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	15	0.38
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	8	0.38
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	1	0.38
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	1	0.38
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	1	0.38
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	8	0.38
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	8	0.38
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	6	0.38
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	8	0.38
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	9	0.38
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	12	0.38
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	6	0.38
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	6	0.38
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	6	0.38
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	11	0.38
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	11	0.38
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	11	0.38
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	14	0.38
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	14	0.38
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	14	0.38
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	17	0.38
(1,277)	1:448:A:SER:HB3	1:449:A:VAL:HA	17	0.38
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	7	0.38
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	3	0.38
(1,253)	1:395:A:GLY:HA2	1:396:A:THR:H	3	0.38
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	11	0.38
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	11	0.38
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	11	0.38
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	6	0.38
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	18	0.38
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	6	0.38
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	6	0.38
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	6	0.38
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	7	0.38
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	7	0.38
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	7	0.38
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	4	0.38
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	4	0.38
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	4	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	4	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	4	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	4	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	4	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	4	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	4	0.38
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	14	0.38
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	14	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	14	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	14	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	14	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	14	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	14	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	14	0.38
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	16	0.38
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	16	0.38
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	16	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	16	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	16	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	16	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	16	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	16	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	16	0.38
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	17	0.38
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	17	0.38
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	17	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	17	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	17	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	17	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	17	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	17	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	17	0.38
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	19	0.38
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	19	0.38
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	19	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	19	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	19	0.38
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	19	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	19	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	19	0.38
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	19	0.38
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	8	0.38
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	5	0.38
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	5	0.38
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	5	0.38
(1,54)	1:347:A:VAL:HG21	1:347:A:VAL:HB	16	0.38
(1,54)	1:347:A:VAL:HG22	1:347:A:VAL:HB	16	0.38
(1,54)	1:347:A:VAL:HG23	1:347:A:VAL:HB	16	0.38
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	3	0.38
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	3	0.38
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	5	0.38
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	5	0.38
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	5	0.38
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	6	0.38
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	6	0.38
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	6	0.38
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	16	0.38
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	16	0.38
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	16	0.38
(1,29)	1:453:A:LEU:HD11	1:453:A:LEU:HG	19	0.38
(1,29)	1:453:A:LEU:HD12	1:453:A:LEU:HG	19	0.38
(1,29)	1:453:A:LEU:HD13	1:453:A:LEU:HG	19	0.38
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	9	0.38
(1,4976)	1:408:A:ASN:HD22	1:407:A:VAL:HA	18	0.37
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	16	0.37
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	16	0.37
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	16	0.37
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	19	0.37
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	20	0.37
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	2	0.37
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	9	0.37
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	7	0.37
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	20	0.37
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	3	0.37
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	3	0.37
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	7	0.37
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	7	0.37
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	5	0.37
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	7	0.37
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	10	0.37
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	12	0.37
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	8	0.37
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	10	0.37
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	10	0.37
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	10	0.37
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	6	0.37
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	11	0.37
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	17	0.37
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	17	0.37
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	7	0.37
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	13	0.37
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	15	0.37
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	16	0.37
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	12	0.37
(1,4695)	1:401:A:THR:H	1:399:A:ASP:HB3	5	0.37
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	2	0.37
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	14	0.37
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	15	0.37
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	1	0.37
(1,4621)	1:400:A:GLY:H	1:399:A:ASP:H	12	0.37
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	19	0.37
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	7	0.37
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	5	0.37
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	9	0.37
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	10	0.37
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	11	0.37
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	9	0.37
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	9	0.37
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	9	0.37
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	9	0.37
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	1	0.37
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	15	0.37
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	16	0.37
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	19	0.37
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	10	0.37
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	9	0.37
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	8	0.37
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	2	0.37
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	3	0.37
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	3	0.37
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	7	0.37
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	7	0.37
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	20	0.37
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	20	0.37
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	15	0.37
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	13	0.37
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	14	0.37
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	4	0.37
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	20	0.37
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	17	0.37
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	17	0.37
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	20	0.37
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	2	0.37
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	5	0.37
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	5	0.37
(1,4009)	1:444:A:ASN:H	1:370:A:SER:HB3	6	0.37
(1,4007)	1:357:A:TYR:H	1:357:A:TYR:HB2	1	0.37
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	1	0.37
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	1	0.37
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	1	0.37
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	6	0.37
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	6	0.37
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	6	0.37
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	8	0.37
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	8	0.37
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	8	0.37
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	15	0.37
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	15	0.37
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	15	0.37
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	18	0.37
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	18	0.37
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	18	0.37
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	3	0.37
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	12	0.37
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	18	0.37
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	20	0.37
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	10	0.37
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	10	0.37
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	10	0.37
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	10	0.37
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	10	0.37
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	10	0.37
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	14	0.37
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	14	0.37
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	14	0.37
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	14	0.37
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	14	0.37
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	14	0.37
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	18	0.37
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	18	0.37
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	18	0.37
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	18	0.37
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	18	0.37
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	1	0.37
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	1	0.37
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	1	0.37
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	17	0.37
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	3	0.37
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	4	0.37
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	4	0.37
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	13	0.37
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	13	0.37
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	19	0.37
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	19	0.37
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	11	0.37
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	11	0.37
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	11	0.37
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	13	0.37
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	13	0.37
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	13	0.37
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	14	0.37
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	14	0.37
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	14	0.37
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	7	0.37
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	7	0.37
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	5	0.37
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	5	0.37
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	3	0.37
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	3	0.37
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	3	0.37
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	3	0.37
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	3	0.37
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	3	0.37
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	5	0.37
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	5	0.37
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	7	0.37
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	7	0.37
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	9	0.37
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	9	0.37
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	16	0.37
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	16	0.37
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	5	0.37
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	1	0.37
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	3	0.37
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	5	0.37
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	10	0.37
(1,3496)	1:385:A:TRP:HA	1:385:A:TRP:HB2	20	0.37
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	1	0.37
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	9	0.37
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	9	0.37
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	9	0.37
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	16	0.37
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	16	0.37
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	16	0.37
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	18	0.37
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	19	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	1	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	1	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	1	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	2	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	2	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	2	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	3	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	3	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	3	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	4	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	4	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	4	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	5	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	5	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	5	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	6	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	6	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	6	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	7	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	7	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	7	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	8	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	8	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	8	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	10	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	10	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	10	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	12	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	12	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	13	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	13	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	13	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	14	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	14	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	14	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	15	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	15	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	15	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	16	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	16	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	16	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	17	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	17	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	17	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	18	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	18	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	18	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	19	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	19	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	19	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	20	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	20	0.37
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	20	0.37
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	12	0.37
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	15	0.37
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	1	0.37
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	15	0.37
(1,3316)	1:352:A:GLN:HG2	1:352:A:GLN:HB3	16	0.37
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	2	0.37
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	2	0.37
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	2	0.37
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	13	0.37
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	13	0.37
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	13	0.37
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	19	0.37
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	19	0.37
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	19	0.37
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	20	0.37
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	20	0.37
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	14	0.37
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	14	0.37
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	14	0.37
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	7	0.37
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	7	0.37
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	7	0.37
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	7	0.37
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	7	0.37
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	7	0.37
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	7	0.37
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	7	0.37
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	7	0.37
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	3	0.37
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	7	0.37
(1,3241)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	17	0.37
(1,3238)	1:450:A:MET:HA	1:450:A:MET:HB2	19	0.37
(1,3230)	1:346:A:GLU:HA	1:346:A:GLU:HG2	1	0.37
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	6	0.37
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	8	0.37
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	1	0.37
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	2	0.37
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	16	0.37
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	18	0.37
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	14	0.37
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	15	0.37
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	11	0.37
(1,2879)	1:375:A:THR:HA	1:376:A:PRO:HD3	18	0.37
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	10	0.37
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	19	0.37
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	17	0.37
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	17	0.37
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	17	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	1	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	2	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	3	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	4	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	5	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	6	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	7	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	8	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	10	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	11	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	12	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	13	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	14	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	15	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	16	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	17	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	18	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	19	0.37
(1,2798)	1:378:A:PRO:HA	1:378:A:PRO:HB3	20	0.37
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	3	0.37
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	7	0.37
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	10	0.37
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	13	0.37
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	20	0.37
(1,2762)	1:459:A:LYS:HD2	1:459:A:LYS:HE3	14	0.37
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	7	0.37
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	7	0.37
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	14	0.37
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	14	0.37
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	11	0.37
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	17	0.37
(1,2487)	1:459:A:LYS:HA	1:458:A:GLU:HB2	3	0.37
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	10	0.37
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	11	0.37
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	12	0.37
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	18	0.37
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	19	0.37
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	15	0.37
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	15	0.37
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	15	0.37
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	9	0.37
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	9	0.37
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	9	0.37
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	14	0.37
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	14	0.37
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	14	0.37
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	2	0.37
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	3	0.37
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	4	0.37
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	19	0.37
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	2	0.37
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	7	0.37
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD21	9	0.37
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD22	9	0.37
(1,2375)	1:364:A:LEU:HB2	1:364:A:LEU:HD23	9	0.37
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	9	0.37
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	9	0.37
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	9	0.37
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	10	0.37
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	10	0.37
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	10	0.37
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	11	0.37
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	11	0.37
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	11	0.37
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	5	0.37
(1,2366)	1:420:A:ILE:HA	1:420:A:ILE:HG13	16	0.37
(1,2337)	1:364:A:LEU:HD21	1:364:A:LEU:HB2	9	0.37
(1,2337)	1:364:A:LEU:HD22	1:364:A:LEU:HB2	9	0.37
(1,2337)	1:364:A:LEU:HD23	1:364:A:LEU:HB2	9	0.37
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	8	0.37
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	16	0.37
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	13	0.37
(1,2307)	1:433:A:LEU:HG	1:433:A:LEU:HB2	19	0.37
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	1	0.37
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	19	0.37
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	12	0.37
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	10	0.37
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	10	0.37
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	10	0.37
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	10	0.37
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	10	0.37
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	10	0.37
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	10	0.37
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	10	0.37
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	10	0.37
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	1	0.37
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	8	0.37
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	9	0.37
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	11	0.37
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	12	0.37
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	13	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	14	0.37
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	17	0.37
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	18	0.37
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	19	0.37
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	13	0.37
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	16	0.37
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	5	0.37
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	6	0.37
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	7	0.37
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	9	0.37
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	13	0.37
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	16	0.37
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	16	0.37
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	16	0.37
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	1	0.37
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	7	0.37
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	8	0.37
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	16	0.37
(1,2050)	1:353:A:HIS:HB3	1:353:A:HIS:H	4	0.37
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	2	0.37
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	7	0.37
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	10	0.37
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	12	0.37
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	20	0.37
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	1	0.37
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	4	0.37
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	7	0.37
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	8	0.37
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	9	0.37
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	10	0.37
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	11	0.37
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	12	0.37
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	18	0.37
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	19	0.37
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	20	0.37
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	4	0.37
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	4	0.37
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	4	0.37
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	16	0.37
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	16	0.37
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	16	0.37
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	17	0.37
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	17	0.37
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	2	0.37
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	2	0.37
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	2	0.37
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	10	0.37
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	10	0.37
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	10	0.37
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	14	0.37
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	14	0.37
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	14	0.37
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	19	0.37
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	19	0.37
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	19	0.37
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	2	0.37
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	5	0.37
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	8	0.37
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	9	0.37
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	11	0.37
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	12	0.37
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	13	0.37
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	15	0.37
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	16	0.37
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	19	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	1	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	1	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	1	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	2	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	2	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	2	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	3	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	3	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	3	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	4	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	4	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	4	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	5	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	5	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	5	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	6	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	6	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	7	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	7	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	7	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	8	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	8	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	8	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	9	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	9	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	9	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	10	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	10	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	10	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	11	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	11	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	11	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	12	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	12	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	12	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	13	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	13	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	13	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	14	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	14	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	14	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	15	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	15	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	15	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	16	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	16	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	16	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	17	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	17	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	17	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	18	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	18	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	18	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	19	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	19	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	19	0.37
(1,1924)	1:345:A:ILE:HG21	1:345:A:ILE:HB	20	0.37
(1,1924)	1:345:A:ILE:HG22	1:345:A:ILE:HB	20	0.37
(1,1924)	1:345:A:ILE:HG23	1:345:A:ILE:HB	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	1	0.37
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	4	0.37
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	15	0.37
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	19	0.37
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	4	0.37
(1,1790)	1:387:A:LYS:HE3	1:387:A:LYS:HB3	20	0.37
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	7	0.37
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	18	0.37
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	18	0.37
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	18	0.37
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	17	0.37
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	17	0.37
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	17	0.37
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	6	0.37
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	12	0.37
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	12	0.37
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	10	0.37
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	20	0.37
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	20	0.37
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	20	0.37
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	20	0.37
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	20	0.37
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	20	0.37
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	20	0.37
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	20	0.37
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	20	0.37
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	17	0.37
(1,1555)	1:459:A:LYS:HB3	1:459:A:LYS:HG2	18	0.37
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	3	0.37
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	6	0.37
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	10	0.37
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	11	0.37
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	10	0.37
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	10	0.37
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	10	0.37
(1,1445)	1:463:A:VAL:HG21	1:345:A:ILE:H	17	0.37
(1,1445)	1:463:A:VAL:HG22	1:345:A:ILE:H	17	0.37
(1,1445)	1:463:A:VAL:HG23	1:345:A:ILE:H	17	0.37
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	6	0.37
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	6	0.37
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	6	0.37
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	10	0.37
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	10	0.37
(1,1426)	1:373:A:PRO:HG3	1:373:A:PRO:HD3	11	0.37
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	16	0.37
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	18	0.37
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	1	0.37
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	7	0.37
(1,1395)	1:453:A:LEU:HA	1:453:A:LEU:HB2	7	0.37
(1,1354)	1:418:A:VAL:HA	1:418:A:VAL:HB	17	0.37
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	4	0.37
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	16	0.37
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	7	0.37
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	15	0.37
(1,1213)	1:343:A:THR:HB	1:343:A:THR:HA	13	0.37
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	12	0.37
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	17	0.37
(1,1148)	1:447:A:PRO:HG3	1:447:A:PRO:HA	5	0.37
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	1	0.37
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	2	0.37
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	3	0.37
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	4	0.37
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	5	0.37
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	6	0.37
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	11	0.37
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	12	0.37
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	15	0.37
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	17	0.37
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	20	0.37
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	2	0.37
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	10	0.37
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	16	0.37
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	6	0.37
(1,1044)	1:367:A:ASP:HB2	1:366:A:THR:HA	2	0.37
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	5	0.37
(1,1043)	1:436:A:THR:HB	1:437:A:ARG:HA	13	0.37
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG11	11	0.37
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG12	11	0.37
(1,1022)	1:418:A:VAL:HA	1:418:A:VAL:HG13	11	0.37
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	5	0.37
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	7	0.37
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	10	0.37
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	13	0.37
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	14	0.37
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	16	0.37
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	18	0.37
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	19	0.37
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	10	0.37
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD21	5	0.37
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD22	5	0.37
(1,975)	1:433:A:LEU:HG	1:433:A:LEU:HD23	5	0.37
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	6	0.37
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	9	0.37
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	11	0.37
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	14	0.37
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	15	0.37
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	18	0.37
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	19	0.37
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	5	0.37
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	20	0.37
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	16	0.37
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	4	0.37
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	2	0.37
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	5	0.37
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	16	0.37
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	5	0.37
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	15	0.37
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	3	0.37
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	14	0.37
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	1	0.37
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	5	0.37
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	6	0.37
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	7	0.37
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	12	0.37
(1,661)	1:406:A:PRO:HD3	1:406:A:PRO:HG3	18	0.37
(1,613)	1:407:A:VAL:HG21	1:408:A:ASN:H	15	0.37
(1,613)	1:407:A:VAL:HG22	1:408:A:ASN:H	15	0.37
(1,613)	1:407:A:VAL:HG23	1:408:A:ASN:H	15	0.37
(1,555)	1:411:A:MET:HE1	1:411:A:MET:HG3	6	0.37
(1,555)	1:411:A:MET:HE2	1:411:A:MET:HG3	6	0.37
(1,555)	1:411:A:MET:HE3	1:411:A:MET:HG3	6	0.37
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	11	0.37
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	16	0.37
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	4	0.37
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	6	0.37
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	10	0.37
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	14	0.37
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	17	0.37
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	17	0.37
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	1	0.37
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	4	0.37
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	7	0.37
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	3	0.37
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	1	0.37
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	4	0.37
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	20	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	1	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	1	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	1	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	2	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	2	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	2	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	3	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	3	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	3	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	4	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	4	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	4	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	5	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	5	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	5	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	7	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	7	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	7	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	8	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	8	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	8	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	9	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	9	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	9	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	10	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	10	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	10	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	12	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	12	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	13	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	13	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	13	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	15	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	15	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	15	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	16	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	16	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	16	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	17	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	17	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	17	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	18	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	18	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	18	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	19	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	19	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	19	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG21	20	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG22	20	0.37
(1,332)	1:381:A:VAL:HB	1:381:A:VAL:HG23	20	0.37
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	12	0.37
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	6	0.37
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	2	0.37
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	2	0.37
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	2	0.37
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	9	0.37
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	9	0.37
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	9	0.37
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	16	0.37
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	16	0.37
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	16	0.37
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	16	0.37
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	2	0.37
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	3	0.37
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	17	0.37
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	17	0.37
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	17	0.37
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	4	0.37
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	19	0.37
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	5	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	5	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	5	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	5	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	5	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	5	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	5	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	5	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	5	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	8	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	8	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	8	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	8	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	8	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	8	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	8	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	8	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	8	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	10	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	10	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	10	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	10	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	10	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	10	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	10	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	10	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	10	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	11	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	11	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	11	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	11	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	11	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	11	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	11	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	11	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	11	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	13	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	13	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	13	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	13	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	13	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	13	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	13	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	13	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	13	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	18	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	18	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	18	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	18	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	18	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	18	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	18	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	18	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	18	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD11	20	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD12	20	0.37
(1,69)	1:456:A:MET:HE1	1:364:A:LEU:HD13	20	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD11	20	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD12	20	0.37
(1,69)	1:456:A:MET:HE2	1:364:A:LEU:HD13	20	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD11	20	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD12	20	0.37
(1,69)	1:456:A:MET:HE3	1:364:A:LEU:HD13	20	0.37
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	7	0.37
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	5	0.37
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	5	0.37
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	5	0.37
(1,11)	1:376:A:PRO:HB3	1:377:A:THR:H	12	0.37
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	1	0.36
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	6	0.36
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	7	0.36
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	11	0.36
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	14	0.36
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	16	0.36
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	8	0.36
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	12	0.36
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	19	0.36
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	9	0.36
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	17	0.36
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	17	0.36
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	7	0.36
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	15	0.36
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	15	0.36
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	6	0.36
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	6	0.36
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	19	0.36
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	19	0.36
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	10	0.36
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	5	0.36
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	9	0.36
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	20	0.36
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	10	0.36
(1,4725)	1:395:A:GLY:H	1:402:A:PRO:HB3	20	0.36
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	5	0.36
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	18	0.36
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	18	0.36
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	18	0.36
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	1	0.36
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	1	0.36
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	9	0.36
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	13	0.36
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	6	0.36
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	10	0.36
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	12	0.36
(1,4621)	1:400:A:GLY:H	1:399:A:ASP:H	5	0.36
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	11	0.36
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	20	0.36
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	5	0.36
(1,4501)	1:391:A:ALA:H	1:389:A:GLU:HB3	6	0.36
(1,4476)	1:354:A:MET:H	1:353:A:HIS:HA	16	0.36
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	12	0.36
(1,4409)	1:408:A:ASN:HD22	1:408:A:ASN:H	10	0.36
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	5	0.36
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	2	0.36
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	4	0.36
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	18	0.36
(1,4339)	1:372:A:LYS:H	1:372:A:LYS:HG2	18	0.36
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	8	0.36
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	8	0.36
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	8	0.36
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	11	0.36
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	11	0.36
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	11	0.36
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	14	0.36
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	14	0.36
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	20	0.36
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	20	0.36
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	20	0.36
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	17	0.36
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	18	0.36
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	20	0.36
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	11	0.36
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	13	0.36
(1,4253)	1:343:A:THR:H	1:342:A:ASP:HA	12	0.36
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	9	0.36
(1,4205)	1:444:A:ASN:H	1:444:A:ASN:HB2	20	0.36
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	1	0.36
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	7	0.36
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	8	0.36
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	6	0.36
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	6	0.36
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	19	0.36
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	19	0.36
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	2	0.36
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	6	0.36
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	12	0.36
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	19	0.36
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	1	0.36
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	9	0.36
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	13	0.36
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	17	0.36
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	10	0.36
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	10	0.36
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	12	0.36
(1,4102)	1:353:A:HIS:H	1:353:A:HIS:HD2	12	0.36
(1,4052)	1:386:A:ASN:H	1:385:A:TRP:H	6	0.36
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	15	0.36
(1,4040)	1:349:A:LEU:H	1:349:A:LEU:HB2	19	0.36
(1,4033)	1:425:A:TRP:HE1	1:423:A:SER:HB2	17	0.36
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	14	0.36
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	11	0.36
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	13	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	4	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	4	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	4	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	11	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	11	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	12	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	12	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	12	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	17	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	17	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	17	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	19	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	19	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	19	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	20	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	20	0.36
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	20	0.36
(1,3963)	1:370:A:SER:H	1:369:A:VAL:HA	19	0.36
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	19	0.36
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	1	0.36
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	1	0.36
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	12	0.36
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	12	0.36
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	12	0.36
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	19	0.36
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	19	0.36
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	19	0.36
(1,3856)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	12	0.36
(1,3856)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	12	0.36
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	2	0.36
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	11	0.36
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	7	0.36
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	7	0.36
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	7	0.36
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	7	0.36
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	7	0.36
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	7	0.36
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	3	0.36
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	3	0.36
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	7	0.36
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	7	0.36
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	8	0.36
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	8	0.36
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	9	0.36
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	10	0.36
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	10	0.36
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	11	0.36
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	11	0.36
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	15	0.36
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	15	0.36
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	16	0.36
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	16	0.36
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	17	0.36
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	17	0.36
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	20	0.36
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	20	0.36
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	2	0.36
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	2	0.36
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	2	0.36
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	15	0.36
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	15	0.36
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	15	0.36
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	13	0.36
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	13	0.36
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	15	0.36
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	15	0.36
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	8	0.36
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	8	0.36
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	5	0.36
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	5	0.36
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	11	0.36
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	11	0.36
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	7	0.36
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	10	0.36
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	13	0.36
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	3	0.36
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	8	0.36
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	8	0.36
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	8	0.36
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	9	0.36
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	9	0.36
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	9	0.36
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	15	0.36
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	15	0.36
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	15	0.36
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	10	0.36
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	10	0.36
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	10	0.36
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	13	0.36
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	13	0.36
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	13	0.36
(1,3425)	1:382:A:PHE:HB2	1:383:A:TYR:H	2	0.36
(1,3425)	1:382:A:PHE:HB2	1:383:A:TYR:H	11	0.36
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	9	0.36
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	9	0.36
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	9	0.36
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG21	11	0.36
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG22	11	0.36
(1,3372)	1:375:A:THR:HB	1:375:A:THR:HG23	11	0.36
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	9	0.36
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	14	0.36
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	18	0.36
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	19	0.36
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	5	0.36
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	5	0.36
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	5	0.36
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	2	0.36
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	2	0.36
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	2	0.36
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	2	0.36
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	2	0.36
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	2	0.36
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	2	0.36
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	2	0.36
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	2	0.36
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	3	0.36
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	3	0.36
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	3	0.36
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	3	0.36
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	3	0.36
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	3	0.36
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	3	0.36
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	3	0.36
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	3	0.36
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	12	0.36
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	12	0.36
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	12	0.36
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	12	0.36
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	12	0.36
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	12	0.36
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	12	0.36
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	12	0.36
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	13	0.36
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	13	0.36
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	13	0.36
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	13	0.36
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	13	0.36
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	13	0.36
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	13	0.36
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	13	0.36
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	13	0.36
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	16	0.36
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	16	0.36
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	16	0.36
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	16	0.36
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	16	0.36
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	16	0.36
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	16	0.36
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	16	0.36
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	16	0.36
(1,3241)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	20	0.36
(1,3207)	1:428:A:GLU:HG3	1:428:A:GLU:HA	14	0.36
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	1	0.36
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	11	0.36
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	17	0.36
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	18	0.36
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	3	0.36
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	8	0.36
(1,3062)	1:397:A:ASN:HB3	1:397:A:ASN:HA	9	0.36
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	2	0.36
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	8	0.36
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	9	0.36
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	12	0.36
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	13	0.36
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	19	0.36
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	20	0.36
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	7	0.36
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	14	0.36
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD21	5	0.36
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD22	5	0.36
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD23	5	0.36
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	2	0.36
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	17	0.36
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	17	0.36
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	18	0.36
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	11	0.36
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	11	0.36
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	11	0.36
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	11	0.36
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	11	0.36
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	11	0.36
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	11	0.36
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	11	0.36
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	11	0.36
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	1	0.36
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	10	0.36
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	6	0.36
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	7	0.36
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	20	0.36
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	2	0.36
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	4	0.36
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	19	0.36
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	1	0.36
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	2	0.36
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	12	0.36
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	14	0.36
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	3	0.36
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	3	0.36
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	6	0.36
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	6	0.36
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	8	0.36
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	8	0.36
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	13	0.36
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	13	0.36
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	16	0.36
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	16	0.36
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	7	0.36
(1,2710)	1:361:A:LYS:HE3	1:361:A:LYS:HB3	19	0.36
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	18	0.36
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	3	0.36
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	3	0.36
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	3	0.36
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	10	0.36
(1,2635)	1:388:A:GLU:HA	1:389:A:GLU:H	16	0.36
(1,2612)	1:361:A:LYS:HD3	1:361:A:LYS:HA	12	0.36
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	1	0.36
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	2	0.36
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	5	0.36
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	6	0.36
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	7	0.36
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	8	0.36
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	10	0.36
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	12	0.36
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	13	0.36
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	14	0.36
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	15	0.36
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	16	0.36
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	17	0.36
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	18	0.36
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	19	0.36
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	20	0.36
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	7	0.36
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	11	0.36
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	13	0.36
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	15	0.36
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	18	0.36
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	3	0.36
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	8	0.36
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	14	0.36
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	16	0.36
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	9	0.36
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	14	0.36
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	8	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	1	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	1	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	1	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	4	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	4	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	4	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	5	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	5	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	8	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	8	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	8	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	10	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	10	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	10	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	11	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	11	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	11	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	12	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	12	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	12	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	13	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	13	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	13	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	15	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	15	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	15	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	17	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	17	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	17	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	20	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	20	0.36
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	20	0.36
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	13	0.36
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	15	0.36
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	4	0.36
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	4	0.36
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	4	0.36
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	5	0.36
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	6	0.36
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	7	0.36
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	11	0.36
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	15	0.36
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	7	0.36
(1,2211)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	19	0.36
(1,2152)	1:399:A:ASP:HB3	1:399:A:ASP:H	16	0.36
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	4	0.36
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	7	0.36
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	14	0.36
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	2	0.36
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	6	0.36
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	12	0.36
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	19	0.36
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	2	0.36
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	3	0.36
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	10	0.36
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	11	0.36
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	14	0.36
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	18	0.36
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	14	0.36
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	14	0.36
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	14	0.36
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	17	0.36
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	17	0.36
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	17	0.36
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	18	0.36
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	18	0.36
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	18	0.36
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	3	0.36
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	4	0.36
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	6	0.36
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	10	0.36
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	11	0.36
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	17	0.36
(1,2043)	1:435:A:LYS:HB3	1:435:A:LYS:HD3	18	0.36
(1,1998)	1:437:A:ARG:HG3	1:437:A:ARG:HD2	6	0.36
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	3	0.36
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	5	0.36
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	6	0.36
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	13	0.36
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	14	0.36
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	16	0.36
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	17	0.36
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	20	0.36
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	20	0.36
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	20	0.36
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	4	0.36
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	4	0.36
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	4	0.36
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	7	0.36
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	7	0.36
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	11	0.36
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	11	0.36
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	11	0.36
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	17	0.36
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	17	0.36
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	17	0.36
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	3	0.36
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	10	0.36
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	17	0.36
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	1	0.36
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	12	0.36
(1,1790)	1:387:A:LYS:HE3	1:387:A:LYS:HB3	10	0.36
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	6	0.36
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	3	0.36
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	9	0.36
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	17	0.36
(1,1765)	1:361:A:LYS:HE2	1:361:A:LYS:HB2	7	0.36
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	2	0.36
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	2	0.36
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	2	0.36
(1,1734)	1:413:A:ILE:HG21	1:413:A:ILE:HA	5	0.36
(1,1734)	1:413:A:ILE:HG22	1:413:A:ILE:HA	5	0.36
(1,1734)	1:413:A:ILE:HG23	1:413:A:ILE:HA	5	0.36
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	17	0.36
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	17	0.36
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	17	0.36
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	17	0.36
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	17	0.36
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	17	0.36
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	11	0.36
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	16	0.36
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	16	0.36
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	16	0.36
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	4	0.36
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	9	0.36
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	15	0.36
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	2	0.36
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	17	0.36
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	19	0.36
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	19	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	19	0.36
(1,1445)	1:463:A:VAL:HG21	1:345:A:ILE:H	13	0.36
(1,1445)	1:463:A:VAL:HG22	1:345:A:ILE:H	13	0.36
(1,1445)	1:463:A:VAL:HG23	1:345:A:ILE:H	13	0.36
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	11	0.36
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	11	0.36
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	11	0.36
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	2	0.36
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	8	0.36
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	9	0.36
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	12	0.36
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	13	0.36
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	19	0.36
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	20	0.36
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	4	0.36
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	10	0.36
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	14	0.36
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	6	0.36
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	6	0.36
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	6	0.36
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	13	0.36
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	13	0.36
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	13	0.36
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	5	0.36
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	6	0.36
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	7	0.36
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	9	0.36
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	16	0.36
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	20	0.36
(1,1181)	1:406:A:PRO:HD3	1:405:A:SER:HB3	9	0.36
(1,1181)	1:406:A:PRO:HD3	1:405:A:SER:HB3	13	0.36
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	20	0.36
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	9	0.36
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	14	0.36
(1,1127)	1:431:A:GLY:HA2	1:431:A:GLY:H	16	0.36
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	1	0.36
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	4	0.36
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	8	0.36
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	12	0.36
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	13	0.36
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	18	0.36
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	19	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	3	0.36
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	6	0.36
(1,1097)	1:459:A:LYS:HA	1:459:A:LYS:HG3	17	0.36
(1,1044)	1:367:A:ASP:HB2	1:366:A:THR:HA	14	0.36
(1,1044)	1:367:A:ASP:HB2	1:366:A:THR:HA	16	0.36
(1,1044)	1:367:A:ASP:HB2	1:366:A:THR:HA	18	0.36
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	20	0.36
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	4	0.36
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	15	0.36
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	12	0.36
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	10	0.36
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	2	0.36
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	3	0.36
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	5	0.36
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	10	0.36
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	12	0.36
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	13	0.36
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	16	0.36
(1,911)	1:366:A:THR:HB	1:366:A:THR:HG1	20	0.36
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	1	0.36
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	2	0.36
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	6	0.36
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	7	0.36
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	9	0.36
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	12	0.36
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	14	0.36
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	16	0.36
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	17	0.36
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	19	0.36
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	3	0.36
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	3	0.36
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	3	0.36
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	9	0.36
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	20	0.36
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	7	0.36
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	17	0.36
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	20	0.36
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	7	0.36
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	9	0.36
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	4	0.36
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	6	0.36
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	9	0.36
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	10	0.36
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	11	0.36
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	12	0.36
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	14	0.36
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	15	0.36
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	16	0.36
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	17	0.36
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	18	0.36
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	19	0.36
(1,747)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	4	0.36
(1,747)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	17	0.36
(1,743)	1:389:A:GLU:HG3	1:389:A:GLU:H	19	0.36
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	11	0.36
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	3	0.36
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	3	0.36
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	3	0.36
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	14	0.36
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	20	0.36
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	10	0.36
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	7	0.36
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	5	0.36
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	11	0.36
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	12	0.36
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	20	0.36
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	10	0.36
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	18	0.36
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	2	0.36
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	18	0.36
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	5	0.36
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	5	0.36
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	5	0.36
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	4	0.36
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	14	0.36
(1,420)	1:402:A:PRO:HB2	1:402:A:PRO:HD2	1	0.36
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	18	0.36
(1,327)	1:449:A:VAL:HB	1:449:A:VAL:H	17	0.36
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	3	0.36
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	4	0.36
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	5	0.36
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	6	0.36
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	9	0.36
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	18	0.36
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	19	0.36
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	15	0.36
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	2	0.36
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	16	0.36
(1,245)	1:352:A:GLN:HA	1:352:A:GLN:HG2	1	0.36
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	9	0.36
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	13	0.36
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	13	0.36
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	13	0.36
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	15	0.36
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	15	0.36
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	15	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	2	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	3	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	4	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	5	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	6	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	7	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	8	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	9	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	10	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	11	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	12	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	13	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	14	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	15	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	17	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	18	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	19	0.36
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	20	0.36
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	2	0.36
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	2	0.36
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	2	0.36
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG21	5	0.36
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG22	5	0.36
(1,136)	1:413:A:ILE:HA	1:413:A:ILE:HG23	5	0.36
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	17	0.36
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	17	0.36
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	17	0.36
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,64)	1:370:A:SER:HB2	1:370:A:SER:H	12	0.36
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	16	0.36
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	16	0.36
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	16	0.36
(1,45)	1:387:A:LYS:HD2	1:387:A:LYS:HB3	5	0.36
(1,45)	1:387:A:LYS:HD2	1:387:A:LYS:HB3	6	0.36
(1,4)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	14	0.36
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	10	0.35
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	10	0.35
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	10	0.35
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	9	0.35
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	12	0.35
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	17	0.35
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	2	0.35
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	1	0.35
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	1	0.35
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	5	0.35
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	5	0.35
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	8	0.35
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	8	0.35
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	13	0.35
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	13	0.35
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	2	0.35
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	3	0.35
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	10	0.35
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	13	0.35
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	8	0.35
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	8	0.35
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	8	0.35
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	1	0.35
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	7	0.35
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	11	0.35
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	14	0.35
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	17	0.35
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	4	0.35
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	7	0.35
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	14	0.35
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	10	0.35
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	10	0.35
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	13	0.35
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	14	0.35
(1,4787)	1:419:A:GLY:H	1:418:A:VAL:HA	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	5	0.35
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	10	0.35
(1,4763)	1:422:A:ASP:H	1:421:A:HIS:HA	16	0.35
(1,4733)	1:435:A:LYS:H	1:435:A:LYS:HG3	5	0.35
(1,4725)	1:395:A:GLY:H	1:402:A:PRO:HB3	7	0.35
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	2	0.35
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	6	0.35
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	7	0.35
(1,4695)	1:401:A:THR:H	1:399:A:ASP:HB3	12	0.35
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	6	0.35
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	14	0.35
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	16	0.35
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	17	0.35
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	20	0.35
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	11	0.35
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	2	0.35
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	3	0.35
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	19	0.35
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	17	0.35
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	18	0.35
(1,4527)	1:441:A:GLY:H	1:439:A:SER:H	7	0.35
(1,4501)	1:391:A:ALA:H	1:389:A:GLU:HB3	16	0.35
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	7	0.35
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	2	0.35
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	3	0.35
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	3	0.35
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	3	0.35
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	1	0.35
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	7	0.35
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	11	0.35
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	14	0.35
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	15	0.35
(1,4339)	1:372:A:LYS:H	1:372:A:LYS:HG2	5	0.35
(1,4339)	1:372:A:LYS:H	1:372:A:LYS:HG2	10	0.35
(1,4327)	1:458:A:GLU:H	1:457:A:VAL:HA	10	0.35
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	7	0.35
(1,4289)	1:360:A:GLY:H	1:357:A:TYR:HB2	2	0.35
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	17	0.35
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	12	0.35
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	13	0.35
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	9	0.35
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	16	0.35
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	17	0.35
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	20	0.35
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	14	0.35
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	16	0.35
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	3	0.35
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	16	0.35
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	2	0.35
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	17	0.35
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	18	0.35
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	19	0.35
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	15	0.35
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	19	0.35
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	4	0.35
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	4	0.35
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	4	0.35
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	18	0.35
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	18	0.35
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	18	0.35
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	8	0.35
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	7	0.35
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	15	0.35
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	19	0.35
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	7	0.35
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	7	0.35
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	7	0.35
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	9	0.35
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	9	0.35
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	9	0.35
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	10	0.35
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	10	0.35
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	10	0.35
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	14	0.35
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	14	0.35
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	14	0.35
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	4	0.35
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	10	0.35
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	2	0.35
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	2	0.35
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	2	0.35
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	17	0.35
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	17	0.35
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	13	0.35
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	15	0.35
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	19	0.35
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	8	0.35
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	8	0.35
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	8	0.35
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	8	0.35
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	8	0.35
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	8	0.35
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	5	0.35
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	5	0.35
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	6	0.35
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	6	0.35
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	18	0.35
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	18	0.35
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	13	0.35
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	13	0.35
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	3	0.35
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	3	0.35
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	8	0.35
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	8	0.35
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	6	0.35
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	6	0.35
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	20	0.35
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	20	0.35
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	10	0.35
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	10	0.35
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	10	0.35
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	10	0.35
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	10	0.35
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	10	0.35
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	20	0.35
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	20	0.35
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	20	0.35
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	20	0.35
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	20	0.35
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	20	0.35
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	6	0.35
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	10	0.35
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	10	0.35
(1,3586)	1:466:A:PHE:HE1	1:348:A:ASP:HB2	18	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3586)	1:466:A:PHE:HE2	1:348:A:ASP:HB2	18	0.35
(1,3566)	1:382:A:PHE:HD1	1:382:A:PHE:HB2	2	0.35
(1,3566)	1:382:A:PHE:HD2	1:382:A:PHE:HB2	2	0.35
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	18	0.35
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	12	0.35
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	12	0.35
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	12	0.35
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	8	0.35
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	12	0.35
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	19	0.35
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	5	0.35
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	13	0.35
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	15	0.35
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	18	0.35
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	20	0.35
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	10	0.35
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	4	0.35
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	4	0.35
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	4	0.35
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	5	0.35
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	5	0.35
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	5	0.35
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	7	0.35
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	7	0.35
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	7	0.35
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	10	0.35
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	10	0.35
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	10	0.35
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	11	0.35
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	11	0.35
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	11	0.35
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	14	0.35
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	14	0.35
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	14	0.35
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	16	0.35
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	16	0.35
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	16	0.35
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	18	0.35
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	18	0.35
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	18	0.35
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	19	0.35
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	19	0.35
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	20	0.35
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	20	0.35
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	20	0.35
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	1	0.35
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	4	0.35
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	4	0.35
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	4	0.35
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	4	0.35
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	8	0.35
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	8	0.35
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	8	0.35
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	12	0.35
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	12	0.35
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	12	0.35
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	18	0.35
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	18	0.35
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	18	0.35
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	19	0.35
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	19	0.35
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	19	0.35
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	20	0.35
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	20	0.35
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	20	0.35
(1,3391)	1:402:A:PRO:HA	1:403:A:TYR:H	5	0.35
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	11	0.35
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	11	0.35
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	13	0.35
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	13	0.35
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	14	0.35
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	14	0.35
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	20	0.35
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	20	0.35
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	8	0.35
(1,3357)	1:457:A:VAL:HA	1:458:A:GLU:HB2	13	0.35
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	19	0.35
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	6	0.35
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	6	0.35
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	6	0.35
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	10	0.35
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	10	0.35
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	11	0.35
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	11	0.35
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	11	0.35
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	12	0.35
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	12	0.35
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	12	0.35
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	17	0.35
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	17	0.35
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	17	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	4	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	4	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	4	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	4	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	4	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	4	0.35
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	4	0.35
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	4	0.35
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	4	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	8	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	8	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	8	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	8	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	8	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	8	0.35
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	8	0.35
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	8	0.35
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	8	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	10	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	10	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	10	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	10	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	10	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	10	0.35
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	10	0.35
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	10	0.35
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	10	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	17	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	17	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	17	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	17	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	17	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	17	0.35
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	17	0.35
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	17	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	18	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	18	0.35
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	18	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	18	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	18	0.35
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	18	0.35
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	18	0.35
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	18	0.35
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	18	0.35
(1,3241)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	2	0.35
(1,3241)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	3	0.35
(1,3241)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	14	0.35
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	11	0.35
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	13	0.35
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	13	0.35
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	13	0.35
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	2	0.35
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	4	0.35
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	6	0.35
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	9	0.35
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	12	0.35
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	14	0.35
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	15	0.35
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	18	0.35
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	20	0.35
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	16	0.35
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	1	0.35
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	4	0.35
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	16	0.35
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	1	0.35
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	3	0.35
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	4	0.35
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	6	0.35
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	10	0.35
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	11	0.35
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	14	0.35
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD21	12	0.35
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD22	12	0.35
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD23	12	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	8	0.35
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	1	0.35
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	4	0.35
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	6	0.35
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	7	0.35
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	8	0.35
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	9	0.35
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	10	0.35
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	11	0.35
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	12	0.35
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	13	0.35
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	14	0.35
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	15	0.35
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	18	0.35
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	19	0.35
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	20	0.35
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	15	0.35
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	15	0.35
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	15	0.35
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	15	0.35
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	15	0.35
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	15	0.35
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	15	0.35
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	15	0.35
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	15	0.35
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	5	0.35
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	1	0.35
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	3	0.35
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD1	20	0.35
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD2	20	0.35
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD1	20	0.35
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD2	20	0.35
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD1	20	0.35
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD2	20	0.35
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	1	0.35
(1,2788)	1:451:A:LYS:HG2	1:451:A:LYS:HE3	20	0.35
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	3	0.35
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	10	0.35
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	10	0.35
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	17	0.35
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	17	0.35
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	20	0.35
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	5	0.35
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	12	0.35
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	13	0.35
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	14	0.35
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	17	0.35
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	20	0.35
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	16	0.35
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	1	0.35
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	1	0.35
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	1	0.35
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	4	0.35
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	4	0.35
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	4	0.35
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	10	0.35
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	10	0.35
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	10	0.35
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	10	0.35
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	3	0.35
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	4	0.35
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	9	0.35
(1,2611)	1:376:A:PRO:HD2	1:376:A:PRO:HG2	11	0.35
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	4	0.35
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	5	0.35
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	19	0.35
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	20	0.35
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	5	0.35
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	16	0.35
(1,2534)	1:366:A:THR:HA	1:367:A:ASP:HB3	4	0.35
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	1	0.35
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	13	0.35
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	6	0.35
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	10	0.35
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	16	0.35
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	16	0.35
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	16	0.35
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	19	0.35
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	19	0.35
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	19	0.35
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	7	0.35
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	12	0.35
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2414)	1:436:A:THR:HA	1:437:A:ARG:HA	20	0.35
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	5	0.35
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	5	0.35
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	5	0.35
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	10	0.35
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	10	0.35
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	10	0.35
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	16	0.35
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	5	0.35
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	6	0.35
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	6	0.35
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	6	0.35
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	1	0.35
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	9	0.35
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	17	0.35
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	2	0.35
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	17	0.35
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	19	0.35
(1,2274)	1:451:A:LYS:HB2	1:451:A:LYS:HD2	16	0.35
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	2	0.35
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	4	0.35
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	12	0.35
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	14	0.35
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	17	0.35
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	18	0.35
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	9	0.35
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	15	0.35
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	2	0.35
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	11	0.35
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	19	0.35
(1,2211)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	9	0.35
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	10	0.35
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	17	0.35
(1,2136)	1:389:A:GLU:HB3	1:390:A:ASP:HA	13	0.35
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	15	0.35
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	18	0.35
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	20	0.35
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	9	0.35
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	14	0.35
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	16	0.35
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	17	0.35
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	1	0.35
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	4	0.35
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	15	0.35
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	19	0.35
(1,2081)	1:451:A:LYS:HB2	1:451:A:LYS:HG3	20	0.35
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	7	0.35
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	7	0.35
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	7	0.35
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	2	0.35
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	9	0.35
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	14	0.35
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	20	0.35
(1,1959)	1:368:A:ILE:HG13	1:368:A:ILE:HA	15	0.35
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	13	0.35
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	13	0.35
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	13	0.35
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	5	0.35
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	5	0.35
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	5	0.35
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	9	0.35
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	11	0.35
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	16	0.35
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	10	0.35
(1,1790)	1:387:A:LYS:HE3	1:387:A:LYS:HB3	15	0.35
(1,1790)	1:387:A:LYS:HE3	1:387:A:LYS:HB3	19	0.35
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	10	0.35
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	4	0.35
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	6	0.35
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	15	0.35
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	16	0.35
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	2	0.35
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	2	0.35
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	2	0.35
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	4	0.35
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	4	0.35
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	4	0.35
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	11	0.35
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	11	0.35
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	11	0.35
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	13	0.35
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	13	0.35
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	20	0.35
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	20	0.35
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	20	0.35
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	12	0.35
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	18	0.35
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	18	0.35
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	15	0.35
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	5	0.35
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	3	0.35
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	5	0.35
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	7	0.35
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	8	0.35
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	20	0.35
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	7	0.35
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	7	0.35
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	7	0.35
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	7	0.35
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	7	0.35
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	7	0.35
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	7	0.35
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	7	0.35
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	7	0.35
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	12	0.35
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	12	0.35
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	12	0.35
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	12	0.35
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	12	0.35
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	12	0.35
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	12	0.35
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	12	0.35
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	12	0.35
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	6	0.35
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	1	0.35
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	5	0.35
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	7	0.35
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	8	0.35
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	14	0.35
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	17	0.35
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	19	0.35
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	20	0.35
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	6	0.35
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	6	0.35
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	1	0.35
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	4	0.35
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	6	0.35
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	7	0.35
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	8	0.35
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	9	0.35
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	10	0.35
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	11	0.35
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	12	0.35
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	13	0.35
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	14	0.35
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	15	0.35
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	18	0.35
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	19	0.35
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	20	0.35
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	3	0.35
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	3	0.35
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	3	0.35
(1,1445)	1:463:A:VAL:HG21	1:345:A:ILE:H	6	0.35
(1,1445)	1:463:A:VAL:HG22	1:345:A:ILE:H	6	0.35
(1,1445)	1:463:A:VAL:HG23	1:345:A:ILE:H	6	0.35
(1,1445)	1:463:A:VAL:HG21	1:345:A:ILE:H	12	0.35
(1,1445)	1:463:A:VAL:HG22	1:345:A:ILE:H	12	0.35
(1,1445)	1:463:A:VAL:HG23	1:345:A:ILE:H	12	0.35
(1,1445)	1:463:A:VAL:HG21	1:345:A:ILE:H	19	0.35
(1,1445)	1:463:A:VAL:HG22	1:345:A:ILE:H	19	0.35
(1,1445)	1:463:A:VAL:HG23	1:345:A:ILE:H	19	0.35
(1,1445)	1:463:A:VAL:HG21	1:345:A:ILE:H	20	0.35
(1,1445)	1:463:A:VAL:HG22	1:345:A:ILE:H	20	0.35
(1,1445)	1:463:A:VAL:HG23	1:345:A:ILE:H	20	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	2	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	2	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	2	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	9	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	9	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	9	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	12	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	12	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	12	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	16	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	16	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	19	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	19	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	19	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	20	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	20	0.35
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	20	0.35
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	1	0.35
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	3	0.35
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	4	0.35
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	6	0.35
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	10	0.35
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	11	0.35
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	14	0.35
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	7	0.35
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	7	0.35
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	7	0.35
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	7	0.35
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	7	0.35
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	7	0.35
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	7	0.35
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	7	0.35
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	7	0.35
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	14	0.35
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	14	0.35
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	14	0.35
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	14	0.35
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	14	0.35
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	14	0.35
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	14	0.35
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	14	0.35
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	14	0.35
(1,1241)	1:421:A:HIS:HB3	1:422:A:ASP:H	19	0.35
(1,1218)	1:414:A:ASP:HB2	1:415:A:TRP:H	4	0.35
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	5	0.35
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	8	0.35
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	15	0.35
(1,1181)	1:406:A:PRO:HD3	1:405:A:SER:HB3	3	0.35
(1,1181)	1:406:A:PRO:HD3	1:405:A:SER:HB3	4	0.35
(1,1181)	1:406:A:PRO:HD3	1:405:A:SER:HB3	7	0.35
(1,1181)	1:406:A:PRO:HD3	1:405:A:SER:HB3	11	0.35
(1,1181)	1:406:A:PRO:HD3	1:405:A:SER:HB3	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1181)	1:406:A:PRO:HD3	1:405:A:SER:HB3	17	0.35
(1,1181)	1:406:A:PRO:HD3	1:405:A:SER:HB3	18	0.35
(1,1181)	1:406:A:PRO:HD3	1:405:A:SER:HB3	19	0.35
(1,1181)	1:406:A:PRO:HD3	1:405:A:SER:HB3	20	0.35
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	1	0.35
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	2	0.35
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	6	0.35
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	7	0.35
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	17	0.35
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	19	0.35
(1,1150)	1:462:A:PRO:HB3	1:463:A:VAL:H	10	0.35
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	6	0.35
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	11	0.35
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	8	0.35
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	18	0.35
(1,1044)	1:367:A:ASP:HB2	1:366:A:THR:HA	13	0.35
(1,1044)	1:367:A:ASP:HB2	1:366:A:THR:HA	20	0.35
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	13	0.35
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	14	0.35
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	6	0.35
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	7	0.35
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	8	0.35
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	5	0.35
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	7	0.35
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	9	0.35
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	17	0.35
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	3	0.35
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	7	0.35
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	15	0.35
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	10	0.35
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	10	0.35
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	10	0.35
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	10	0.35
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	10	0.35
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	10	0.35
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	10	0.35
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	10	0.35
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	10	0.35
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	15	0.35
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	4	0.35
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	8	0.35
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	13	0.35
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	18	0.35
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	12	0.35
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	12	0.35
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	12	0.35
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	2	0.35
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	11	0.35
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	3	0.35
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	12	0.35
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	13	0.35
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	1	0.35
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	8	0.35
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	11	0.35
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	13	0.35
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	16	0.35
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	20	0.35
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	1	0.35
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	2	0.35
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	3	0.35
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	5	0.35
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	7	0.35
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	13	0.35
(1,788)	1:378:A:PRO:HG3	1:378:A:PRO:HB3	20	0.35
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	3	0.35
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	3	0.35
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	3	0.35
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	3	0.35
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	3	0.35
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	3	0.35
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	3	0.35
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	3	0.35
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	3	0.35
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	8	0.35
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	11	0.35
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	15	0.35
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	4	0.35
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	6	0.35
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	9	0.35
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	10	0.35
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	13	0.35
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	15	0.35
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	18	0.35
(1,674)	1:457:A:VAL:HG21	1:458:A:GLU:H	7	0.35
(1,674)	1:457:A:VAL:HG22	1:458:A:GLU:H	7	0.35
(1,674)	1:457:A:VAL:HG23	1:458:A:GLU:H	7	0.35
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	1	0.35
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	16	0.35
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	9	0.35
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	19	0.35
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	7	0.35
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	18	0.35
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	19	0.35
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	16	0.35
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	10	0.35
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	3	0.35
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	10	0.35
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	11	0.35
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	10	0.35
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	10	0.35
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	10	0.35
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	12	0.35
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	12	0.35
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	12	0.35
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	3	0.35
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	5	0.35
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	6	0.35
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	8	0.35
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	12	0.35
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	16	0.35
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	17	0.35
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	18	0.35
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	20	0.35
(1,393)	1:404:A:GLU:HG3	1:404:A:GLU:HA	8	0.35
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	1	0.35
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	2	0.35
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	10	0.35
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	11	0.35
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	13	0.35
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	14	0.35
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	15	0.35
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	17	0.35
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	20	0.35
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	10	0.35
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	18	0.35
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	2	0.35
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	2	0.35
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	7	0.35
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	8	0.35
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	9	0.35
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	10	0.35
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	11	0.35
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	12	0.35
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	14	0.35
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	16	0.35
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	17	0.35
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	19	0.35
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	20	0.35
(1,253)	1:395:A:GLY:HA2	1:396:A:THR:H	10	0.35
(1,253)	1:395:A:GLY:HA2	1:396:A:THR:H	12	0.35
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	12	0.35
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	12	0.35
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	12	0.35
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	12	0.35
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	12	0.35
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	12	0.35
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	7	0.35
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	8	0.35
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	13	0.35
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	1	0.35
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	1	0.35
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	1	0.35
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	5	0.35
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	5	0.35
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	5	0.35
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	12	0.35
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	12	0.35
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	12	0.35
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	14	0.35
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	14	0.35
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	14	0.35
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	20	0.35
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	20	0.35
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	20	0.35
(1,170)	1:464:A:LEU:HA	1:464:A:LEU:H	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:353:A:HIS:HB2	1:353:A:HIS:H	4	0.35
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	5	0.35
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	5	0.35
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	5	0.35
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	9	0.35
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	9	0.35
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	9	0.35
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	2	0.35
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	7	0.35
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	10	0.35
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	16	0.35
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	12	0.35
(1,45)	1:387:A:LYS:HD2	1:387:A:LYS:HB3	2	0.35
(1,45)	1:387:A:LYS:HD2	1:387:A:LYS:HB3	3	0.35
(1,45)	1:387:A:LYS:HD2	1:387:A:LYS:HB3	7	0.35
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	3	0.35
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	3	0.35
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	3	0.35
(1,4)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	7	0.35
(1,4)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	8	0.35
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	8	0.34
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	8	0.34
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	8	0.34
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	9	0.34
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	9	0.34
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	9	0.34
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	19	0.34
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	19	0.34
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	19	0.34
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	13	0.34
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	4	0.34
(1,4970)	1:416:A:THR:H	1:415:A:TRP:HA	10	0.34
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	2	0.34
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	2	0.34
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	4	0.34
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	4	0.34
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE1	9	0.34
(1,4968)	1:357:A:TYR:H	1:357:A:TYR:HE2	9	0.34
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	19	0.34
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	16	0.34
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	1	0.34
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	2	0.34
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	2	0.34
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	2	0.34
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	18	0.34
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	18	0.34
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	18	0.34
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	2	0.34
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	3	0.34
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	15	0.34
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	6	0.34
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	9	0.34
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	20	0.34
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	20	0.34
(1,4824)	1:426:A:GLN:HE22	1:428:A:GLU:HB3	4	0.34
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	5	0.34
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	4	0.34
(1,4786)	1:377:A:THR:H	1:376:A:PRO:HA	8	0.34
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	3	0.34
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	9	0.34
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	17	0.34
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	17	0.34
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	17	0.34
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	19	0.34
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	19	0.34
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	19	0.34
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	19	0.34
(1,4695)	1:401:A:THR:H	1:399:A:ASP:HB3	18	0.34
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	2	0.34
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	6	0.34
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	11	0.34
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	4	0.34
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	14	0.34
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	18	0.34
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	19	0.34
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	6	0.34
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	12	0.34
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	2	0.34
(1,4501)	1:391:A:ALA:H	1:389:A:GLU:HB3	2	0.34
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	6	0.34
(1,4427)	1:466:A:PHE:H	1:349:A:LEU:H	19	0.34
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	6	0.34
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	15	0.34
(1,4409)	1:408:A:ASN:HD22	1:408:A:ASN:H	13	0.34
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	11	0.34
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	6	0.34
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	17	0.34
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	20	0.34
(1,4354)	1:428:A:GLU:H	1:426:A:GLN:HB2	9	0.34
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	5	0.34
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	5	0.34
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	5	0.34
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	18	0.34
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	18	0.34
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	18	0.34
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	8	0.34
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	5	0.34
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	18	0.34
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	14	0.34
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	12	0.34
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	13	0.34
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	14	0.34
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	14	0.34
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	17	0.34
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	17	0.34
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	1	0.34
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	7	0.34
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	2	0.34
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	6	0.34
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	11	0.34
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	4	0.34
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	1	0.34
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	19	0.34
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	4	0.34
(1,4128)	1:348:A:ASP:H	1:347:A:VAL:HA	15	0.34
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	7	0.34
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	8	0.34
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	18	0.34
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	6	0.34
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	6	0.34
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	6	0.34
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	10	0.34
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	10	0.34
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	12	0.34
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	5	0.34
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	17	0.34
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	18	0.34
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	16	0.34
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	16	0.34
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	16	0.34
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD11	5	0.34
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD12	5	0.34
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD13	5	0.34
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	9	0.34
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	9	0.34
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	9	0.34
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	9	0.34
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	9	0.34
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	9	0.34
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	13	0.34
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	13	0.34
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	13	0.34
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	13	0.34
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	13	0.34
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	13	0.34
(1,3856)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	9	0.34
(1,3856)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	9	0.34
(1,3856)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	10	0.34
(1,3856)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	10	0.34
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	6	0.34
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	2	0.34
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	2	0.34
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	12	0.34
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	12	0.34
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	7	0.34
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	7	0.34
(1,3687)	1:425:A:TRP:HE3	1:424:A:ASP:HB2	9	0.34
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	1	0.34
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	1	0.34
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	1	0.34
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	17	0.34
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	17	0.34
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	17	0.34
(1,3664)	1:409:A:TYR:HE1	1:409:A:TYR:HB2	19	0.34
(1,3664)	1:409:A:TYR:HE2	1:409:A:TYR:HB2	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	19	0.34
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	19	0.34
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	19	0.34
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	19	0.34
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	19	0.34
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	19	0.34
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	2	0.34
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	2	0.34
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	15	0.34
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	15	0.34
(1,3586)	1:466:A:PHE:HE1	1:348:A:ASP:HB2	19	0.34
(1,3586)	1:466:A:PHE:HE2	1:348:A:ASP:HB2	19	0.34
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	11	0.34
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	2	0.34
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	14	0.34
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	19	0.34
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	14	0.34
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	14	0.34
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	1	0.34
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	1	0.34
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	1	0.34
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	2	0.34
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	2	0.34
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	2	0.34
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	6	0.34
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	6	0.34
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	6	0.34
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	13	0.34
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	13	0.34
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	13	0.34
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	17	0.34
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	17	0.34
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	17	0.34
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	7	0.34
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	12	0.34
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	15	0.34
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	17	0.34
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	19	0.34
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	3	0.34
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	3	0.34
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	3	0.34
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	7	0.34
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	7	0.34
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	14	0.34
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	14	0.34
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	14	0.34
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	15	0.34
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	15	0.34
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	15	0.34
(1,3425)	1:382:A:PHE:HB2	1:383:A:TYR:H	9	0.34
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	8	0.34
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	8	0.34
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	11	0.34
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	15	0.34
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	15	0.34
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	15	0.34
(1,3299)	1:340:A:MET:HB3	1:341:A:GLU:HA	4	0.34
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	16	0.34
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	16	0.34
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	16	0.34
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	9	0.34
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	9	0.34
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	9	0.34
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	9	0.34
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	9	0.34
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	9	0.34
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	9	0.34
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	9	0.34
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	9	0.34
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	11	0.34
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	11	0.34
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	11	0.34
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	11	0.34
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	11	0.34
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	11	0.34
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	11	0.34
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	11	0.34
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	11	0.34
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	15	0.34
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	15	0.34
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	15	0.34
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	15	0.34
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	15	0.34
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	15	0.34
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	15	0.34
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	15	0.34
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	11	0.34
(1,3241)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	5	0.34
(1,3241)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	12	0.34
(1,3241)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	16	0.34
(1,3241)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	19	0.34
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	8	0.34
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	2	0.34
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	10	0.34
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	13	0.34
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	17	0.34
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	20	0.34
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	5	0.34
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	7	0.34
(1,3045)	1:346:A:GLU:HB2	1:346:A:GLU:HG3	15	0.34
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	4	0.34
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	3	0.34
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	5	0.34
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	10	0.34
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	5	0.34
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	10	0.34
(1,2932)	1:359:A:ASP:HB3	1:358:A:LYS:HG3	2	0.34
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	3	0.34
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	5	0.34
(1,2906)	1:447:A:PRO:HG2	1:447:A:PRO:HB3	16	0.34
(1,2904)	1:426:A:GLN:HA	1:426:A:GLN:HE21	14	0.34
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	20	0.34
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	4	0.34
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	5	0.34
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	9	0.34
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	13	0.34
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	16	0.34
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	4	0.34
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	19	0.34
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	1	0.34
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	1	0.34
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	2	0.34
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	2	0.34
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	5	0.34
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	9	0.34
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	9	0.34
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	11	0.34
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	11	0.34
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	18	0.34
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	18	0.34
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	19	0.34
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	19	0.34
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	3	0.34
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	1	0.34
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	6	0.34
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	9	0.34
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	4	0.34
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	17	0.34
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	17	0.34
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	17	0.34
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	18	0.34
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	20	0.34
(1,2534)	1:366:A:THR:HA	1:367:A:ASP:HB3	8	0.34
(1,2456)	1:340:A:MET:HG3	1:340:A:MET:HB2	4	0.34
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	4	0.34
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	13	0.34
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	14	0.34
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	20	0.34
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	1	0.34
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE1	18	0.34
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE2	18	0.34
(1,2423)	1:411:A:MET:HG2	1:411:A:MET:HE3	18	0.34
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	5	0.34
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	17	0.34
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	6	0.34
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	6	0.34
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	6	0.34
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	12	0.34
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	12	0.34
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	12	0.34
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	15	0.34
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	15	0.34
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	15	0.34
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	9	0.34
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	10	0.34
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	12	0.34
(1,2383)	1:405:A:SER:HB2	1:405:A:SER:HA	15	0.34
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	18	0.34
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	18	0.34
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	18	0.34
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	3	0.34
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	5	0.34
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	10	0.34
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	1	0.34
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	8	0.34
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	10	0.34
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	12	0.34
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	14	0.34
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	16	0.34
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	18	0.34
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	1	0.34
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	3	0.34
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	8	0.34
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	9	0.34
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	15	0.34
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	4	0.34
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	6	0.34
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	7	0.34
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	10	0.34
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	14	0.34
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	16	0.34
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	17	0.34
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	18	0.34
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	20	0.34
(1,2211)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	13	0.34
(1,2211)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	16	0.34
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	2	0.34
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	11	0.34
(1,2152)	1:399:A:ASP:HB3	1:399:A:ASP:H	1	0.34
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	1	0.34
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	3	0.34
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	6	0.34
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	17	0.34
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	1	0.34
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	7	0.34
(1,2078)	1:345:A:ILE:HD11	1:345:A:ILE:H	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:345:A:ILE:HD12	1:345:A:ILE:H	8	0.34
(1,2078)	1:345:A:ILE:HD13	1:345:A:ILE:H	8	0.34
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	5	0.34
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	15	0.34
(1,2052)	1:451:A:LYS:HA	1:452:A:GLU:HB2	18	0.34
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	5	0.34
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	12	0.34
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	12	0.34
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	12	0.34
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	12	0.34
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	12	0.34
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	12	0.34
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	5	0.34
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	12	0.34
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	14	0.34
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	17	0.34
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	14	0.34
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	15	0.34
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	9	0.34
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	11	0.34
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	19	0.34
(1,1790)	1:387:A:LYS:HE3	1:387:A:LYS:HB3	16	0.34
(1,1790)	1:387:A:LYS:HE3	1:387:A:LYS:HB3	17	0.34
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	1	0.34
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	3	0.34
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	4	0.34
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	5	0.34
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	6	0.34
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	7	0.34
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	9	0.34
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	12	0.34
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	14	0.34
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	15	0.34
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	16	0.34
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	18	0.34
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	8	0.34
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	20	0.34
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	19	0.34
(1,1765)	1:361:A:LYS:HE2	1:361:A:LYS:HB2	6	0.34
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	14	0.34
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	14	0.34
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	10	0.34
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	10	0.34
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	10	0.34
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	10	0.34
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	10	0.34
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	10	0.34
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	12	0.34
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	12	0.34
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	12	0.34
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	12	0.34
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	12	0.34
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	12	0.34
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	13	0.34
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	13	0.34
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	13	0.34
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	13	0.34
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	13	0.34
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	13	0.34
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	3	0.34
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	3	0.34
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	10	0.34
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	16	0.34
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	2	0.34
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	6	0.34
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	2	0.34
(1,1584)	1:389:A:GLU:HA	1:390:A:ASP:HB2	15	0.34
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	13	0.34
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	13	0.34
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	13	0.34
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	13	0.34
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	13	0.34
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	13	0.34
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	13	0.34
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	13	0.34
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	13	0.34
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	15	0.34
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	15	0.34
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	15	0.34
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	15	0.34
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	15	0.34
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	15	0.34
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	15	0.34
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	15	0.34
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	2	0.34
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	2	0.34
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	2	0.34
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	8	0.34
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	8	0.34
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	8	0.34
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	15	0.34
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	15	0.34
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	15	0.34
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	20	0.34
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	20	0.34
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	20	0.34
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	18	0.34
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	2	0.34
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	13	0.34
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	16	0.34
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	5	0.34
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	5	0.34
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	5	0.34
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	10	0.34
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	10	0.34
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	10	0.34
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	12	0.34
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	12	0.34
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	12	0.34
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	16	0.34
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	16	0.34
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	16	0.34
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	3	0.34
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	5	0.34
(1,1501)	1:447:A:PRO:HB3	1:447:A:PRO:HG2	16	0.34
(1,1445)	1:463:A:VAL:HG21	1:345:A:ILE:H	4	0.34
(1,1445)	1:463:A:VAL:HG22	1:345:A:ILE:H	4	0.34
(1,1445)	1:463:A:VAL:HG23	1:345:A:ILE:H	4	0.34
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	4	0.34
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	4	0.34
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	4	0.34
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	5	0.34
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	5	0.34
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	7	0.34
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	7	0.34
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	7	0.34
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	8	0.34
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	8	0.34
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	8	0.34
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	18	0.34
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	18	0.34
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	18	0.34
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	5	0.34
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	7	0.34
(1,1421)	1:346:A:GLU:HG3	1:346:A:GLU:HB2	15	0.34
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	5	0.34
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	19	0.34
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	11	0.34
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	19	0.34
(1,1181)	1:406:A:PRO:HD3	1:405:A:SER:HB3	1	0.34
(1,1181)	1:406:A:PRO:HD3	1:405:A:SER:HB3	8	0.34
(1,1181)	1:406:A:PRO:HD3	1:405:A:SER:HB3	16	0.34
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	3	0.34
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	4	0.34
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	8	0.34
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	9	0.34
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	10	0.34
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	12	0.34
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	13	0.34
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	14	0.34
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	15	0.34
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	16	0.34
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	18	0.34
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	20	0.34
(1,1113)	1:445:A:THR:HA	1:444:A:ASN:HB2	6	0.34
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	17	0.34
(1,1110)	1:435:A:LYS:HA	1:435:A:LYS:HG3	20	0.34
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	10	0.34
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	17	0.34
(1,1074)	1:340:A:MET:HG2	1:341:A:GLU:H	15	0.34
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	1	0.34
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	2	0.34
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	10	0.34
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	11	0.34
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	19	0.34
(1,1044)	1:367:A:ASP:HB2	1:366:A:THR:HA	5	0.34
(1,1044)	1:367:A:ASP:HB2	1:366:A:THR:HA	6	0.34
(1,1044)	1:367:A:ASP:HB2	1:366:A:THR:HA	15	0.34
(1,1044)	1:367:A:ASP:HB2	1:366:A:THR:HA	19	0.34
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	2	0.34
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	3	0.34
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	5	0.34
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	6	0.34
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	9	0.34
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	12	0.34
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	17	0.34
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	19	0.34
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	1	0.34
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	2	0.34
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	3	0.34
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	4	0.34
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	5	0.34
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	9	0.34
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	10	0.34
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	11	0.34
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	12	0.34
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	13	0.34
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	14	0.34
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	15	0.34
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	16	0.34
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	17	0.34
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	19	0.34
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	20	0.34
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	9	0.34
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	17	0.34
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	5	0.34
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	5	0.34
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	5	0.34
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	5	0.34
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	5	0.34
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	5	0.34
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	5	0.34
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	5	0.34
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	5	0.34
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	6	0.34
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	6	0.34
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	6	0.34
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	6	0.34
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	6	0.34
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	6	0.34
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	6	0.34
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	6	0.34
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	10	0.34
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	16	0.34
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	3	0.34
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	11	0.34
(1,906)	1:447:A:PRO:HG2	1:447:A:PRO:HD3	15	0.34
(1,839)	1:389:A:GLU:HG3	1:389:A:GLU:HA	1	0.34
(1,832)	1:384:A:VAL:HG11	1:460:A:GLY:H	14	0.34
(1,832)	1:384:A:VAL:HG12	1:460:A:GLY:H	14	0.34
(1,832)	1:384:A:VAL:HG13	1:460:A:GLY:H	14	0.34
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	6	0.34
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	5	0.34
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	10	0.34
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	3	0.34
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	5	0.34
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	9	0.34
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	3	0.34
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	18	0.34
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	4	0.34
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	5	0.34
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	10	0.34
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	14	0.34
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	15	0.34
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	18	0.34
(1,772)	1:376:A:PRO:HA	1:375:A:THR:HB	10	0.34
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	10	0.34
(1,747)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	12	0.34
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	10	0.34
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	10	0.34
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	10	0.34
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	10	0.34
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	10	0.34
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	10	0.34
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	10	0.34
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	10	0.34
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	12	0.34
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	12	0.34
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	12	0.34
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	12	0.34
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	12	0.34
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	12	0.34
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	12	0.34
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	12	0.34
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	12	0.34
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	2	0.34
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	7	0.34
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	8	0.34
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	4	0.34
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	7	0.34
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	8	0.34
(1,614)	1:358:A:LYS:HG3	1:358:A:LYS:HA	13	0.34
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	18	0.34
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	18	0.34
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	18	0.34
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	11	0.34
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	17	0.34
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	18	0.34
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	20	0.34
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	1	0.34
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	3	0.34
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	4	0.34
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	8	0.34
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	13	0.34
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	16	0.34
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	17	0.34
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	18	0.34
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	19	0.34
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	12	0.34
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	1	0.34
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	2	0.34
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	8	0.34
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	9	0.34
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	11	0.34
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	19	0.34
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	14	0.34
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	15	0.34
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	20	0.34
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	7	0.34
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	19	0.34
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	1	0.34
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	2	0.34
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	7	0.34
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	9	0.34
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	10	0.34
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	11	0.34
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	13	0.34
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	15	0.34
(1,429)	1:380:A:GLY:HA2	1:379:A:ALA:HA	19	0.34
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD1	8	0.34
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD2	8	0.34
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD1	8	0.34
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD2	8	0.34
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD1	8	0.34
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD2	8	0.34
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD1	19	0.34
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD2	19	0.34
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD1	19	0.34
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD2	19	0.34
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD1	19	0.34
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD2	19	0.34
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	7	0.34
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	12	0.34
(1,307)	1:348:A:ASP:HA	1:348:A:ASP:H	16	0.34
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	20	0.34
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	4	0.34
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	5	0.34
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	8	0.34
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	14	0.34
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	3	0.34
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	6	0.34
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	18	0.34
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	2	0.34
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	4	0.34
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	6	0.34
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	14	0.34
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	15	0.34
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	19	0.34
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	4	0.34
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	4	0.34
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	6	0.34
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	6	0.34
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	6	0.34
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	7	0.34
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	7	0.34
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	7	0.34
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	8	0.34
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	8	0.34
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	8	0.34
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	17	0.34
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	17	0.34
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	17	0.34
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	18	0.34
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	18	0.34
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	18	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	6	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	6	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	6	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	7	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	7	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	7	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	12	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	12	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	12	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	14	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	14	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	14	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	15	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	15	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	15	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	18	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	18	0.34
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	18	0.34
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	6	0.34
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG21	10	0.34
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG22	10	0.34
(1,51)	1:445:A:THR:HA	1:445:A:THR:HG23	10	0.34
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	2	0.34
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	2	0.34
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	5	0.34
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	5	0.34
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	5	0.34
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	7	0.34
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	7	0.34
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	7	0.34
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	8	0.34
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	8	0.34
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	8	0.34
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	16	0.34
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	16	0.34
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	16	0.34
(1,4)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	10	0.34
(1,4976)	1:408:A:ASN:HD22	1:407:A:VAL:HA	1	0.33
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	3	0.33
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	3	0.33
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	3	0.33
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	14	0.33
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	1	0.33
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	10	0.33
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	1	0.33
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	6	0.33
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	8	0.33
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	17	0.33
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	20	0.33
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	6	0.33
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	12	0.33
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	13	0.33
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	18	0.33
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	20	0.33
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	20	0.33
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	3	0.33
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	12	0.33
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	3	0.33
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	6	0.33
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	7	0.33
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	6	0.33
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	8	0.33
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	3	0.33
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	14	0.33
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	9	0.33
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	9	0.33
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	12	0.33
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	12	0.33
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	12	0.33
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	2	0.33
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	4	0.33
(1,4695)	1:401:A:THR:H	1:399:A:ASP:HB3	4	0.33
(1,4695)	1:401:A:THR:H	1:399:A:ASP:HB3	13	0.33
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	11	0.33
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	20	0.33
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	8	0.33
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	6	0.33
(1,4617)	1:349:A:LEU:H	1:350:A:GLU:H	16	0.33
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	7	0.33
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	8	0.33
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	4	0.33
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	7	0.33
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	13	0.33
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	19	0.33
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	10	0.33
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	20	0.33
(1,4501)	1:391:A:ALA:H	1:389:A:GLU:HB3	3	0.33
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	15	0.33
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	3	0.33
(1,4447)	1:387:A:LYS:H	1:459:A:LYS:HG2	3	0.33
(1,4447)	1:387:A:LYS:H	1:459:A:LYS:HG2	6	0.33
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	1	0.33
(1,4418)	1:395:A:GLY:H	1:403:A:TYR:H	8	0.33
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	6	0.33
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	19	0.33
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	12	0.33
(1,4348)	1:350:A:GLU:H	1:349:A:LEU:HG	15	0.33
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	17	0.33
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	1	0.33
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	6	0.33
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	15	0.33
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	20	0.33
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	20	0.33
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	1	0.33
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	2	0.33
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	13	0.33
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	16	0.33
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	16	0.33
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	4	0.33
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	5	0.33
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	11	0.33
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	18	0.33
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	20	0.33
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	6	0.33
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	14	0.33
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	8	0.33
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	1	0.33
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	2	0.33
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	9	0.33
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	19	0.33
(1,4134)	1:437:A:ARG:H	1:434:A:TRP:HB2	15	0.33
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	8	0.33
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	8	0.33
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	8	0.33
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	4	0.33
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	11	0.33
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	13	0.33
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	16	0.33
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	13	0.33
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	13	0.33
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	13	0.33
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD11	15	0.33
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD12	15	0.33
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD13	15	0.33
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	19	0.33
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	19	0.33
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	19	0.33
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	19	0.33
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	19	0.33
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	19	0.33
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	20	0.33
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	20	0.33
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	20	0.33
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	20	0.33
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	20	0.33
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	20	0.33
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	4	0.33
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	9	0.33
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	9	0.33
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	5	0.33
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	5	0.33
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	15	0.33
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	4	0.33
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	4	0.33
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	15	0.33
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	15	0.33
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	7	0.33
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	7	0.33
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	7	0.33
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	7	0.33
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	7	0.33
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	7	0.33
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	2	0.33
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	3	0.33
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	7	0.33
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	12	0.33
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	18	0.33
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	15	0.33
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	15	0.33
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	15	0.33
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	17	0.33
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	17	0.33
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	6	0.33
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	9	0.33
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	5	0.33
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	5	0.33
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	5	0.33
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	15	0.33
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	15	0.33
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	15	0.33
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	10	0.33
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	10	0.33
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	10	0.33
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	4	0.33
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	14	0.33
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	17	0.33
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	7	0.33
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	12	0.33
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	15	0.33
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	3	0.33
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	3	0.33
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	3	0.33
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	10	0.33
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	1	0.33
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	1	0.33
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	1	0.33
(1,3447)	1:418:A:VAL:HG21	1:418:A:VAL:HA	17	0.33
(1,3447)	1:418:A:VAL:HG22	1:418:A:VAL:HA	17	0.33
(1,3447)	1:418:A:VAL:HG23	1:418:A:VAL:HA	17	0.33
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	6	0.33
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	8	0.33
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	14	0.33
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	16	0.33
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	18	0.33
(1,3312)	1:393:A:LEU:HD11	1:394:A:LYS:H	5	0.33
(1,3312)	1:393:A:LEU:HD12	1:394:A:LYS:H	5	0.33
(1,3312)	1:393:A:LEU:HD13	1:394:A:LYS:H	5	0.33
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	1	0.33
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	1	0.33
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	1	0.33
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	1	0.33
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	1	0.33
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	1	0.33
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	1	0.33
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	1	0.33
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	1	0.33
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	14	0.33
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	14	0.33
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	14	0.33
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	14	0.33
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	14	0.33
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	14	0.33
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	14	0.33
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	14	0.33
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	14	0.33
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	20	0.33
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	20	0.33
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	20	0.33
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	20	0.33
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	20	0.33
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	20	0.33
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	20	0.33
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	20	0.33
(1,3204)	1:339:A:HIS:HA	1:339:A:HIS:HE1	6	0.33
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	3	0.33
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	7	0.33
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	10	0.33
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	13	0.33
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	19	0.33
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	1	0.33
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	5	0.33
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	7	0.33
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	12	0.33
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	1	0.33
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	4	0.33
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	6	0.33
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	8	0.33
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	9	0.33
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	11	0.33
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	12	0.33
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	13	0.33
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	14	0.33
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	16	0.33
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	17	0.33
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	18	0.33
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	19	0.33
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	20	0.33
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	1	0.33
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD21	10	0.33
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD22	10	0.33
(1,2991)	1:405:A:SER:HB2	1:393:A:LEU:HD23	10	0.33
(1,2932)	1:359:A:ASP:HB3	1:358:A:LYS:HG3	12	0.33
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	2	0.33
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	11	0.33
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	13	0.33
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	2	0.33
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	12	0.33
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	19	0.33
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	2	0.33
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	8	0.33
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	18	0.33
(1,2839)	1:399:A:ASP:HB3	1:399:A:ASP:HA	5	0.33
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD1	10	0.33
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD2	10	0.33
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD1	10	0.33
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD2	10	0.33
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD1	10	0.33
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD2	10	0.33
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	2	0.33
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	8	0.33
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	9	0.33
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	11	0.33
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	12	0.33
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	15	0.33
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	16	0.33
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	19	0.33
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	9	0.33
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	15	0.33
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	16	0.33
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	4	0.33
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	4	0.33
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD1	15	0.33
(1,2749)	1:357:A:TYR:HA	1:357:A:TYR:HD2	15	0.33
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	2	0.33
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	18	0.33
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	4	0.33
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	2	0.33
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	2	0.33
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	2	0.33
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	8	0.33
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	8	0.33
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	8	0.33
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	13	0.33
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	13	0.33
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	13	0.33
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	4	0.33
(1,2656)	1:426:A:GLN:HA	1:426:A:GLN:HB3	16	0.33
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	7	0.33
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	11	0.33
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	13	0.33
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	15	0.33
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	18	0.33
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	20	0.33
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	16	0.33
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	17	0.33
(1,2534)	1:366:A:THR:HA	1:367:A:ASP:HB3	1	0.33
(1,2534)	1:366:A:THR:HA	1:367:A:ASP:HB3	7	0.33
(1,2534)	1:366:A:THR:HA	1:367:A:ASP:HB3	11	0.33
(1,2531)	1:399:A:ASP:HB3	1:400:A:GLY:H	15	0.33
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	7	0.33
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	11	0.33
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	13	0.33
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	15	0.33
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	17	0.33
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	18	0.33
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	20	0.33
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	10	0.33
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	10	0.33
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	10	0.33
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	15	0.33
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	19	0.33
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	13	0.33
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	1	0.33
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	8	0.33
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	10	0.33
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	11	0.33
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	20	0.33
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	20	0.33
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	20	0.33
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	1	0.33
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	4	0.33
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	6	0.33
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	8	0.33
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	9	0.33
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	11	0.33
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	12	0.33
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	13	0.33
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	14	0.33
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	16	0.33
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	17	0.33
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	18	0.33
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	19	0.33
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	3	0.33
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	4	0.33
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	9	0.33
(1,2311)	1:436:A:THR:HA	1:437:A:ARG:HB2	20	0.33
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	10	0.33
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	19	0.33
(1,2264)	1:433:A:LEU:HA	1:434:A:TRP:H	20	0.33
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	10	0.33
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	10	0.33
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	10	0.33
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	8	0.33
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	8	0.33
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	8	0.33
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	14	0.33
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	14	0.33
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	14	0.33
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	3	0.33
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	8	0.33
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	13	0.33
(1,2211)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	10	0.33
(1,2211)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	17	0.33
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	13	0.33
(1,2177)	1:367:A:ASP:HB2	1:368:A:ILE:H	16	0.33
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	8	0.33
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	10	0.33
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	12	0.33
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	19	0.33
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	4	0.33
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	5	0.33
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	11	0.33
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	18	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	1	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	2	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	3	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	4	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	6	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	7	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	8	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	9	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	10	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	11	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	13	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	14	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	15	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	16	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	17	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	18	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	19	0.33
(1,2020)	1:435:A:LYS:HB2	1:435:A:LYS:HA	20	0.33
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	5	0.33
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	9	0.33
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	15	0.33
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	16	0.33
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	8	0.33
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	8	0.33
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	8	0.33
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	6	0.33
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	6	0.33
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	6	0.33
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	16	0.33
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	16	0.33
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	16	0.33
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	18	0.33
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	18	0.33
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	18	0.33
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	1	0.33
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	13	0.33
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	18	0.33
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	6	0.33
(1,1903)	1:410:A:TRP:HA	1:411:A:MET:HB3	20	0.33
(1,1896)	1:422:A:ASP:HA	1:423:A:SER:HB2	1	0.33
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	2	0.33
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	2	0.33
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	2	0.33
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	7	0.33
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	7	0.33
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	7	0.33
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	15	0.33
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	15	0.33
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	15	0.33
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	6	0.33
(1,1816)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	16	0.33
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	8	0.33
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	10	0.33
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	11	0.33
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	13	0.33
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	19	0.33
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	20	0.33
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	13	0.33
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	14	0.33
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	15	0.33
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	17	0.33
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	1	0.33
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	1	0.33
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	1	0.33
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	1	0.33
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	1	0.33
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	1	0.33
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	19	0.33
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	19	0.33
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	19	0.33
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	19	0.33
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	19	0.33
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	19	0.33
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	20	0.33
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	20	0.33
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	20	0.33
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	20	0.33
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	20	0.33
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	20	0.33
(1,1690)	1:412:A:PRO:HA	1:412:A:PRO:HB2	18	0.33
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	6	0.33
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	6	0.33
(1,1647)	1:387:A:LYS:HE3	1:387:A:LYS:HD2	3	0.33
(1,1647)	1:387:A:LYS:HE3	1:387:A:LYS:HD2	5	0.33
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG11	16	0.33
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG12	16	0.33
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG13	16	0.33
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	10	0.33
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	20	0.33
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	5	0.33
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	13	0.33
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	14	0.33
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	18	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	16	0.33
(1,1608)	1:387:A:LYS:HG2	1:387:A:LYS:HB3	2	0.33
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	4	0.33
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	13	0.33
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	20	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	2	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	2	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	2	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	2	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	2	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	2	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	2	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	2	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	2	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	4	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	4	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	4	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	4	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	4	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	4	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	4	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	4	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	4	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	8	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	8	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	8	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	8	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	8	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	8	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	8	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	8	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	8	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	9	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	9	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	9	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	9	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	9	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	9	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	9	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	9	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	9	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	10	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	10	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	10	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	10	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	10	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	10	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	10	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	10	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	17	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	17	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	17	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	17	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	17	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	17	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	17	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	17	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	17	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	18	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	18	0.33
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	18	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	18	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	18	0.33
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	18	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	18	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	18	0.33
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	18	0.33
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	4	0.33
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	4	0.33
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	4	0.33
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	6	0.33
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	6	0.33
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	6	0.33
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	7	0.33
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	7	0.33
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	7	0.33
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	11	0.33
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	11	0.33
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	11	0.33
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	12	0.33
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	12	0.33
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	12	0.33
(1,1554)	1:361:A:LYS:HG2	1:361:A:LYS:H	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	14	0.33
(1,1522)	1:394:A:LYS:HB2	1:394:A:LYS:H	18	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	3	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	3	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	3	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	4	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	4	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	4	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	13	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	13	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	13	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	15	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	15	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	15	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	19	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	19	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	19	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	20	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	20	0.33
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	20	0.33
(1,1445)	1:463:A:VAL:HG21	1:345:A:ILE:H	8	0.33
(1,1445)	1:463:A:VAL:HG22	1:345:A:ILE:H	8	0.33
(1,1445)	1:463:A:VAL:HG23	1:345:A:ILE:H	8	0.33
(1,1445)	1:463:A:VAL:HG21	1:345:A:ILE:H	10	0.33
(1,1445)	1:463:A:VAL:HG22	1:345:A:ILE:H	10	0.33
(1,1445)	1:463:A:VAL:HG23	1:345:A:ILE:H	10	0.33
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	13	0.33
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	13	0.33
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	13	0.33
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	14	0.33
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	14	0.33
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	14	0.33
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	15	0.33
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	15	0.33
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	15	0.33
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	17	0.33
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	17	0.33
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	17	0.33
(1,1342)	1:416:A:THR:HB	1:417:A:GLY:H	2	0.33
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	1	0.33
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	2	0.33
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	6	0.33
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	7	0.33
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	9	0.33
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	10	0.33
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	11	0.33
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	12	0.33
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	13	0.33
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	14	0.33
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	15	0.33
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	16	0.33
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	17	0.33
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	18	0.33
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	19	0.33
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	20	0.33
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	11	0.33
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	11	0.33
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	11	0.33
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	10	0.33
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	18	0.33
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	2	0.33
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	8	0.33
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	9	0.33
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	11	0.33
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	12	0.33
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	15	0.33
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	16	0.33
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	19	0.33
(1,1181)	1:406:A:PRO:HD3	1:405:A:SER:HB3	2	0.33
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	5	0.33
(1,1165)	1:359:A:ASP:HA	1:359:A:ASP:H	11	0.33
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	3	0.33
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	9	0.33
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	11	0.33
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	3	0.33
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	7	0.33
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	9	0.33
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	14	0.33
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	20	0.33
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	4	0.33
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	4	0.33
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	6	0.33
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	12	0.33
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	14	0.33
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	17	0.33
(1,1044)	1:367:A:ASP:HB2	1:366:A:THR:HA	9	0.33
(1,1044)	1:367:A:ASP:HB2	1:366:A:THR:HA	10	0.33
(1,1044)	1:367:A:ASP:HB2	1:366:A:THR:HA	12	0.33
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	4	0.33
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	7	0.33
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	8	0.33
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	10	0.33
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	15	0.33
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	16	0.33
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	18	0.33
(1,1028)	1:373:A:PRO:HB3	1:373:A:PRO:HA	18	0.33
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	4	0.33
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	11	0.33
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	6	0.33
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	19	0.33
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	16	0.33
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	16	0.33
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	16	0.33
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	16	0.33
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	16	0.33
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	16	0.33
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	16	0.33
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	16	0.33
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	16	0.33
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	5	0.33
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	13	0.33
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	14	0.33
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	18	0.33
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	9	0.33
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	13	0.33
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	8	0.33
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	6	0.33
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	13	0.33
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	19	0.33
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	6	0.33
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	14	0.33
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	6	0.33
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	19	0.33
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	18	0.33
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	19	0.33
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	1	0.33
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	2	0.33
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	3	0.33
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	5	0.33
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	9	0.33
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	12	0.33
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	13	0.33
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	14	0.33
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	16	0.33
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	17	0.33
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	19	0.33
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	4	0.33
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	4	0.33
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	4	0.33
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	4	0.33
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	4	0.33
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	4	0.33
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	4	0.33
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	4	0.33
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	4	0.33
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	6	0.33
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	6	0.33
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	10	0.33
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	15	0.33
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	19	0.33
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	6	0.33
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	9	0.33
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	10	0.33
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	10	0.33
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	10	0.33
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	10	0.33
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	12	0.33
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	13	0.33
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	18	0.33
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	5	0.33
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	7	0.33
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	12	0.33
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	14	0.33
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	15	0.33
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	5	0.33
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	9	0.33
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	8	0.33
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	18	0.33
(1,521)	1:431:A:GLY:HA3	1:430:A:GLY:H	3	0.33
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	4	0.33
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	6	0.33
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	9	0.33
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	13	0.33
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	6	0.33
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	6	0.33
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	6	0.33
(1,448)	1:393:A:LEU:HD21	1:393:A:LEU:HB3	15	0.33
(1,448)	1:393:A:LEU:HD22	1:393:A:LEU:HB3	15	0.33
(1,448)	1:393:A:LEU:HD23	1:393:A:LEU:HB3	15	0.33
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	12	0.33
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	20	0.33
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD1	10	0.33
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD2	10	0.33
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD1	10	0.33
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD2	10	0.33
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD1	10	0.33
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD2	10	0.33
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	8	0.33
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	8	0.33
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	8	0.33
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	14	0.33
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	14	0.33
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	14	0.33
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	11	0.33
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	13	0.33
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	15	0.33
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	16	0.33
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	17	0.33
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	20	0.33
(1,256)	1:390:A:ASP:HA	1:389:A:GLU:H	5	0.33
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	1	0.33
(1,255)	1:340:A:MET:HA	1:340:A:MET:H	4	0.33
(1,252)	1:397:A:ASN:HA	1:396:A:THR:H	10	0.33
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	1	0.33
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	3	0.33
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	5	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	10	0.33
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	11	0.33
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	16	0.33
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	17	0.33
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	18	0.33
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	20	0.33
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	3	0.33
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	3	0.33
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	3	0.33
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	10	0.33
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	10	0.33
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	10	0.33
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	15	0.33
(1,124)	1:350:A:GLU:HG3	1:350:A:GLU:HB3	20	0.33
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	1	0.33
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	1	0.33
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	1	0.33
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	10	0.33
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	13	0.33
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	17	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	9	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	9	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	9	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	10	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	10	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	10	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	12	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	12	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	12	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	13	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	13	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	13	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	17	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	17	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	17	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	19	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	19	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	19	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	20	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	20	0.33
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	20	0.33
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	13	0.32
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	13	0.32
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	3	0.32
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	8	0.32
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	10	0.32
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	11	0.32
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	13	0.32
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	17	0.32
(1,4886)	1:436:A:THR:H	1:435:A:LYS:HD2	18	0.32
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	4	0.32
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	14	0.32
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	19	0.32
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	4	0.32
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG11	2	0.32
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG12	2	0.32
(1,4875)	1:417:A:GLY:H	1:418:A:VAL:HG13	2	0.32
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	1	0.32
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	2	0.32
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	5	0.32
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	6	0.32
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	7	0.32
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	11	0.32
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	12	0.32
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	14	0.32
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	19	0.32
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	8	0.32
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	3	0.32
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD1	14	0.32
(1,4829)	1:357:A:TYR:H	1:357:A:TYR:HD2	14	0.32
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	17	0.32
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	4	0.32
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	19	0.32
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	1	0.32
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	12	0.32
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	1	0.32
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	1	0.32
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	1	0.32
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	11	0.32
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	11	0.32
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	11	0.32
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	14	0.32
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	14	0.32
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	15	0.32
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	15	0.32
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	15	0.32
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	20	0.32
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	20	0.32
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	20	0.32
(1,4695)	1:401:A:THR:H	1:399:A:ASP:HB3	1	0.32
(1,4695)	1:401:A:THR:H	1:399:A:ASP:HB3	10	0.32
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	9	0.32
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	5	0.32
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	10	0.32
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	17	0.32
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	13	0.32
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	16	0.32
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	5	0.32
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	13	0.32
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	5	0.32
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	12	0.32
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	15	0.32
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	11	0.32
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	14	0.32
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	20	0.32
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	3	0.32
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	5	0.32
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	13	0.32
(1,4501)	1:391:A:ALA:H	1:389:A:GLU:HB3	7	0.32
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	2	0.32
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	3	0.32
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	12	0.32
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	14	0.32
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	4	0.32
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	4	0.32
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	4	0.32
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	8	0.32
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	20	0.32
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	7	0.32
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	8	0.32
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	9	0.32
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	10	0.32
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	13	0.32
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	18	0.32
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	3	0.32
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	11	0.32
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	2	0.32
(1,4205)	1:444:A:ASN:H	1:444:A:ASN:HB2	14	0.32
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	4	0.32
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	14	0.32
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	14	0.32
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	14	0.32
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	10	0.32
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	13	0.32
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	5	0.32
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	10	0.32
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	17	0.32
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	7	0.32
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	14	0.32
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	19	0.32
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	1	0.32
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	3	0.32
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	6	0.32
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	16	0.32
(1,4111)	1:397:A:ASN:HD22	1:396:A:THR:HA	4	0.32
(1,4033)	1:425:A:TRP:HE1	1:423:A:SER:HB2	11	0.32
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	19	0.32
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	7	0.32
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	14	0.32
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	20	0.32
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	11	0.32
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	11	0.32
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	11	0.32
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	11	0.32
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	11	0.32
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	11	0.32
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	6	0.32
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	6	0.32
(1,3834)	1:385:A:TRP:HE3	1:386:A:ASN:HB2	14	0.32
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	12	0.32
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	12	0.32
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	12	0.32
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	12	0.32
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	12	0.32
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	13	0.32
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	13	0.32
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	13	0.32
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	13	0.32
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	13	0.32
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	13	0.32
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	16	0.32
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	18	0.32
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	18	0.32
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	5	0.32
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	6	0.32
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	6	0.32
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	18	0.32
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	18	0.32
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	19	0.32
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	19	0.32
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	20	0.32
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	20	0.32
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	8	0.32
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	9	0.32
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	16	0.32
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	17	0.32
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	6	0.32
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	6	0.32
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	6	0.32
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	3	0.32
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	3	0.32
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	9	0.32
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	9	0.32
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG21	4	0.32
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG22	4	0.32
(1,3619)	1:382:A:PHE:HE1	1:418:A:VAL:HG23	4	0.32
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG21	4	0.32
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG22	4	0.32
(1,3619)	1:382:A:PHE:HE2	1:418:A:VAL:HG23	4	0.32
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	1	0.32
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	18	0.32
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	11	0.32
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	11	0.32
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	20	0.32
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	20	0.32
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	13	0.32
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	17	0.32
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	17	0.32
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	17	0.32
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	14	0.32
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	14	0.32
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	14	0.32
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	1	0.32
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	11	0.32
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	16	0.32
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	17	0.32
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	6	0.32
(1,3475)	1:364:A:LEU:HD11	1:364:A:LEU:HB2	12	0.32
(1,3475)	1:364:A:LEU:HD12	1:364:A:LEU:HB2	12	0.32
(1,3475)	1:364:A:LEU:HD13	1:364:A:LEU:HB2	12	0.32
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	7	0.32
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	20	0.32
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	20	0.32
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	10	0.32
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	18	0.32
(1,3425)	1:382:A:PHE:HB2	1:383:A:TYR:H	5	0.32
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	16	0.32
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	16	0.32
(1,3346)	1:387:A:LYS:HB3	1:388:A:GLU:H	20	0.32
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	8	0.32
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	1	0.32
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	4	0.32
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	10	0.32
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	13	0.32
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	17	0.32
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	20	0.32
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	10	0.32
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	10	0.32
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	10	0.32
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	13	0.32
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	13	0.32
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	13	0.32
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	15	0.32
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	15	0.32
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	15	0.32
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	1	0.32
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	5	0.32
(1,3162)	1:452:A:GLU:HA	1:453:A:LEU:HB2	16	0.32
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	2	0.32
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	7	0.32
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	8	0.32
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	9	0.32
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	19	0.32
(1,3060)	1:451:A:LYS:HB3	1:451:A:LYS:HG3	8	0.32
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	2	0.32
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	7	0.32
(1,3008)	1:458:A:GLU:HA	1:458:A:GLU:HB3	15	0.32
(1,2997)	1:387:A:LYS:HD2	1:387:A:LYS:H	14	0.32
(1,2997)	1:387:A:LYS:HD2	1:387:A:LYS:H	16	0.32
(1,2997)	1:387:A:LYS:HD2	1:387:A:LYS:H	19	0.32
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	3	0.32
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD11	4	0.32
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD12	4	0.32
(1,2898)	1:340:A:MET:HE1	1:464:A:LEU:HD13	4	0.32
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD11	4	0.32
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD12	4	0.32
(1,2898)	1:340:A:MET:HE2	1:464:A:LEU:HD13	4	0.32
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD11	4	0.32
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD12	4	0.32
(1,2898)	1:340:A:MET:HE3	1:464:A:LEU:HD13	4	0.32
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	16	0.32
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	7	0.32
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	14	0.32
(1,2863)	1:365:A:GLU:HB2	1:364:A:LEU:HA	17	0.32
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	4	0.32
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	5	0.32
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	9	0.32
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	15	0.32
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	16	0.32
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	18	0.32
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	19	0.32
(1,2839)	1:399:A:ASP:HB3	1:399:A:ASP:HA	4	0.32
(1,2839)	1:399:A:ASP:HB3	1:399:A:ASP:HA	12	0.32
(1,2839)	1:399:A:ASP:HB3	1:399:A:ASP:HA	18	0.32
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD1	3	0.32
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD2	3	0.32
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD1	3	0.32
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD2	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD1	3	0.32
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD2	3	0.32
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD1	4	0.32
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD2	4	0.32
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD1	4	0.32
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD2	4	0.32
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD1	4	0.32
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD2	4	0.32
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	10	0.32
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	3	0.32
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	4	0.32
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	5	0.32
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	6	0.32
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	10	0.32
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	13	0.32
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	17	0.32
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	18	0.32
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	20	0.32
(1,2771)	1:373:A:PRO:HB3	1:374:A:THR:HA	17	0.32
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	7	0.32
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	8	0.32
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	1	0.32
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	3	0.32
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	18	0.32
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	11	0.32
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	11	0.32
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	11	0.32
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	14	0.32
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	14	0.32
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	14	0.32
(1,2655)	1:427:A:PRO:HD3	1:427:A:PRO:HB3	9	0.32
(1,2643)	1:394:A:LYS:HB3	1:394:A:LYS:HD2	15	0.32
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	1	0.32
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	2	0.32
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	3	0.32
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	4	0.32
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	5	0.32
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	6	0.32
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	8	0.32
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	9	0.32
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	10	0.32
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	14	0.32
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	16	0.32
(1,2634)	1:459:A:LYS:HD3	1:459:A:LYS:HG2	19	0.32
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	14	0.32
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	7	0.32
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	13	0.32
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	1	0.32
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	20	0.32
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	1	0.32
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	2	0.32
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	3	0.32
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	4	0.32
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	5	0.32
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	6	0.32
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	8	0.32
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	9	0.32
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	10	0.32
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	12	0.32
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	14	0.32
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	16	0.32
(1,2492)	1:459:A:LYS:HG2	1:459:A:LYS:HD3	19	0.32
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	8	0.32
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	15	0.32
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	7	0.32
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	20	0.32
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	4	0.32
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	4	0.32
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	4	0.32
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	11	0.32
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	11	0.32
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	11	0.32
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	18	0.32
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	19	0.32
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	20	0.32
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	2	0.32
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	7	0.32
(1,2341)	1:458:A:GLU:HB3	1:458:A:GLU:HA	15	0.32
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	2	0.32
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	2	0.32
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	2	0.32
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	6	0.32
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	6	0.32
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	4	0.32
(1,2318)	1:429:A:TYR:HB3	1:430:A:GLY:H	10	0.32
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	5	0.32
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	5	0.32
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	5	0.32
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	15	0.32
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	15	0.32
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	15	0.32
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	19	0.32
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	19	0.32
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	19	0.32
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	6	0.32
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	9	0.32
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	14	0.32
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	5	0.32
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	5	0.32
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	5	0.32
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	5	0.32
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	5	0.32
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	5	0.32
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	5	0.32
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	5	0.32
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	5	0.32
(1,2177)	1:367:A:ASP:HB2	1:368:A:ILE:H	2	0.32
(1,2106)	1:346:A:GLU:HB2	1:346:A:GLU:H	2	0.32
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	10	0.32
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	13	0.32
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	2	0.32
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	9	0.32
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	18	0.32
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	1	0.32
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	2	0.32
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	3	0.32
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	4	0.32
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	6	0.32
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	7	0.32
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	8	0.32
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	10	0.32
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	11	0.32
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	12	0.32
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	14	0.32
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	17	0.32
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	18	0.32
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	19	0.32
(1,2012)	1:435:A:LYS:HB3	1:435:A:LYS:HG3	20	0.32
(1,1991)	1:407:A:VAL:HG11	1:408:A:ASN:H	5	0.32
(1,1991)	1:407:A:VAL:HG12	1:408:A:ASN:H	5	0.32
(1,1991)	1:407:A:VAL:HG13	1:408:A:ASN:H	5	0.32
(1,1953)	1:362:A:VAL:HG21	1:355:A:TRP:HB2	15	0.32
(1,1953)	1:362:A:VAL:HG22	1:355:A:TRP:HB2	15	0.32
(1,1953)	1:362:A:VAL:HG23	1:355:A:TRP:HB2	15	0.32
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	2	0.32
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	4	0.32
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	7	0.32
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	20	0.32
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	1	0.32
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	1	0.32
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	1	0.32
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	3	0.32
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	3	0.32
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	3	0.32
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	9	0.32
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	9	0.32
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	9	0.32
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	12	0.32
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	12	0.32
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	12	0.32
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	14	0.32
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	14	0.32
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	14	0.32
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	2	0.32
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	2	0.32
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	2	0.32
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	6	0.32
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	6	0.32
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	6	0.32
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	12	0.32
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	1	0.32
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	20	0.32
(1,1864)	1:361:A:LYS:HE2	1:361:A:LYS:HG3	4	0.32
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	12	0.32
(1,1788)	1:377:A:THR:HB	1:377:A:THR:HA	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	2	0.32
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	3	0.32
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	7	0.32
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	9	0.32
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	3	0.32
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	3	0.32
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	3	0.32
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	17	0.32
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	17	0.32
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	17	0.32
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	7	0.32
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	7	0.32
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	7	0.32
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	7	0.32
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	7	0.32
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	7	0.32
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	14	0.32
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	14	0.32
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	14	0.32
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	14	0.32
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	14	0.32
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	14	0.32
(1,1647)	1:387:A:LYS:HE3	1:387:A:LYS:HD2	2	0.32
(1,1647)	1:387:A:LYS:HE3	1:387:A:LYS:HD2	6	0.32
(1,1647)	1:387:A:LYS:HE3	1:387:A:LYS:HD2	7	0.32
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG11	10	0.32
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG12	10	0.32
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG13	10	0.32
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	6	0.32
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	19	0.32
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	1	0.32
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	3	0.32
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	4	0.32
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	6	0.32
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	9	0.32
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	20	0.32
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	3	0.32
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	5	0.32
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	6	0.32
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	9	0.32
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	11	0.32
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	15	0.32
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	16	0.32
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	17	0.32
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	19	0.32
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	3	0.32
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	3	0.32
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	3	0.32
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	3	0.32
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	3	0.32
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	3	0.32
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	3	0.32
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	3	0.32
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	3	0.32
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	11	0.32
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	11	0.32
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	11	0.32
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	11	0.32
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	11	0.32
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	11	0.32
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	11	0.32
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	11	0.32
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	11	0.32
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	14	0.32
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	14	0.32
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	14	0.32
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	14	0.32
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	14	0.32
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	14	0.32
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	14	0.32
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	14	0.32
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	14	0.32
(1,1564)	1:408:A:ASN:HA	1:408:A:ASN:HD21	3	0.32
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	3	0.32
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	3	0.32
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	3	0.32
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	5	0.32
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	5	0.32
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	5	0.32
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	9	0.32
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	9	0.32
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	9	0.32
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	10	0.32
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	10	0.32
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	16	0.32
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	16	0.32
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	16	0.32
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	19	0.32
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	19	0.32
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	19	0.32
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	9	0.32
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	7	0.32
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	7	0.32
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	7	0.32
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	14	0.32
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	14	0.32
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	14	0.32
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	17	0.32
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	17	0.32
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	17	0.32
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	18	0.32
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	18	0.32
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	18	0.32
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	7	0.32
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	16	0.32
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	16	0.32
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	16	0.32
(1,1445)	1:463:A:VAL:HG21	1:345:A:ILE:H	1	0.32
(1,1445)	1:463:A:VAL:HG22	1:345:A:ILE:H	1	0.32
(1,1445)	1:463:A:VAL:HG23	1:345:A:ILE:H	1	0.32
(1,1445)	1:463:A:VAL:HG21	1:345:A:ILE:H	3	0.32
(1,1445)	1:463:A:VAL:HG22	1:345:A:ILE:H	3	0.32
(1,1445)	1:463:A:VAL:HG23	1:345:A:ILE:H	3	0.32
(1,1445)	1:463:A:VAL:HG21	1:345:A:ILE:H	15	0.32
(1,1445)	1:463:A:VAL:HG22	1:345:A:ILE:H	15	0.32
(1,1445)	1:463:A:VAL:HG23	1:345:A:ILE:H	15	0.32
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG21	3	0.32
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG22	3	0.32
(1,1436)	1:368:A:ILE:HA	1:368:A:ILE:HG23	3	0.32
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	5	0.32
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	3	0.32
(1,1328)	1:433:A:LEU:HB2	1:433:A:LEU:HA	8	0.32
(1,1217)	1:436:A:THR:HG21	1:436:A:THR:H	5	0.32
(1,1217)	1:436:A:THR:HG22	1:436:A:THR:H	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1217)	1:436:A:THR:HG23	1:436:A:THR:H	5	0.32
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	1	0.32
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	3	0.32
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	4	0.32
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	5	0.32
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	6	0.32
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	10	0.32
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	13	0.32
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	17	0.32
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	18	0.32
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	20	0.32
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	1	0.32
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	2	0.32
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	4	0.32
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	8	0.32
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	12	0.32
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	15	0.32
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	17	0.32
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	18	0.32
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	19	0.32
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	19	0.32
(1,1074)	1:340:A:MET:HG2	1:341:A:GLU:H	5	0.32
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	1	0.32
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	7	0.32
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	15	0.32
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	20	0.32
(1,1044)	1:367:A:ASP:HB2	1:366:A:THR:HA	3	0.32
(1,1044)	1:367:A:ASP:HB2	1:366:A:THR:HA	17	0.32
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	11	0.32
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	6	0.32
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	16	0.32
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	19	0.32
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	8	0.32
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	11	0.32
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	1	0.32
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	3	0.32
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	4	0.32
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	6	0.32
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	9	0.32
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	20	0.32
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	10	0.32
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	20	0.32
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	4	0.32
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	10	0.32
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	15	0.32
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	16	0.32
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	20	0.32
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	5	0.32
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	15	0.32
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	17	0.32
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	5	0.32
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	7	0.32
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	13	0.32
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	16	0.32
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	4	0.32
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	6	0.32
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	7	0.32
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	8	0.32
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	11	0.32
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	15	0.32
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	18	0.32
(1,751)	1:429:A:TYR:HA	1:429:A:TYR:H	20	0.32
(1,747)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	1	0.32
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	11	0.32
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	11	0.32
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	11	0.32
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	11	0.32
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	11	0.32
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	11	0.32
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	11	0.32
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	11	0.32
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	11	0.32
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	13	0.32
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	13	0.32
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	13	0.32
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	13	0.32
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	13	0.32
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	13	0.32
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	13	0.32
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	13	0.32
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	13	0.32
(1,743)	1:389:A:GLU:HG3	1:389:A:GLU:H	5	0.32
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	5	0.32
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	7	0.32
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	9	0.32
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	16	0.32
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	18	0.32
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	19	0.32
(1,720)	1:342:A:ASP:HB2	1:344:A:TYR:H	19	0.32
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	1	0.32
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	4	0.32
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	5	0.32
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	7	0.32
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	8	0.32
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	11	0.32
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	14	0.32
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	15	0.32
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	3	0.32
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	5	0.32
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	11	0.32
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	14	0.32
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	8	0.32
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	9	0.32
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	9	0.32
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	9	0.32
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	20	0.32
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	20	0.32
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	20	0.32
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	12	0.32
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	2	0.32
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	6	0.32
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	11	0.32
(1,579)	1:426:A:GLN:HA	1:426:A:GLN:H	20	0.32
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	1	0.32
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	4	0.32
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	11	0.32
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	3	0.32
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	4	0.32
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	10	0.32
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	1	0.32
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	6	0.32
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	5	0.32
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	13	0.32
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	9	0.32
(1,270)	1:456:A:MET:HG3	1:456:A:MET:H	19	0.32
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE1	19	0.32
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE2	19	0.32
(1,192)	1:354:A:MET:HG2	1:354:A:MET:HE3	19	0.32
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	1	0.32
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	3	0.32
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	3	0.32
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	3	0.32
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	13	0.32
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	13	0.32
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	13	0.32
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	16	0.32
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	16	0.32
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	16	0.32
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	19	0.32
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	19	0.32
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	19	0.32
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	3	0.32
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	9	0.32
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	11	0.32
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	12	0.32
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	15	0.32
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	20	0.32
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	11	0.32
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	1	0.32
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	1	0.32
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	1	0.32
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	4	0.32
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	4	0.32
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	4	0.32
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	11	0.32
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	11	0.32
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	11	0.32
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	14	0.32
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	14	0.32
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	14	0.32
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	15	0.32
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	15	0.32
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	15	0.32
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	18	0.32
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	18	0.32
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	7	0.31
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	15	0.31
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	3	0.31
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	8	0.31
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	13	0.31
(1,4884)	1:347:A:VAL:H	1:465:A:VAL:HA	18	0.31
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	1	0.31
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	1	0.31
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	1	0.31
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	9	0.31
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	9	0.31
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	9	0.31
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	10	0.31
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	19	0.31
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	3	0.31
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	4	0.31
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	8	0.31
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	9	0.31
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	10	0.31
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	13	0.31
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	15	0.31
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	16	0.31
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	17	0.31
(1,4866)	1:452:A:GLU:H	1:452:A:GLU:HB3	18	0.31
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	1	0.31
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	7	0.31
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	8	0.31
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	13	0.31
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	13	0.31
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	2	0.31
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	12	0.31
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	14	0.31
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	1	0.31
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	7	0.31
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	8	0.31
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	10	0.31
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	15	0.31
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	18	0.31
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	20	0.31
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	20	0.31
(1,4766)	1:351:A:ASN:HD21	1:351:A:ASN:H	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	5	0.31
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	17	0.31
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	19	0.31
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	2	0.31
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	9	0.31
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	14	0.31
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	17	0.31
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	1	0.31
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	8	0.31
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	8	0.31
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	8	0.31
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	16	0.31
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	16	0.31
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	16	0.31
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	7	0.31
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	17	0.31
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	5	0.31
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	3	0.31
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	10	0.31
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	12	0.31
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	14	0.31
(1,4652)	1:408:A:ASN:H	1:408:A:ASN:HB3	16	0.31
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	1	0.31
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	13	0.31
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	1	0.31
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	5	0.31
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	13	0.31
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	18	0.31
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	16	0.31
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	8	0.31
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	3	0.31
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	10	0.31
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	12	0.31
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	14	0.31
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	11	0.31
(1,4447)	1:387:A:LYS:H	1:459:A:LYS:HG2	5	0.31
(1,4426)	1:375:A:THR:H	1:372:A:LYS:HG2	6	0.31
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	13	0.31
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	6	0.31
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	7	0.31
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	17	0.31
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	10	0.31
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	2	0.31
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	3	0.31
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	4	0.31
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	11	0.31
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	12	0.31
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	16	0.31
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	19	0.31
(1,4261)	1:460:A:GLY:H	1:461:A:THR:H	10	0.31
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	10	0.31
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	1	0.31
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	18	0.31
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	18	0.31
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	3	0.31
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	3	0.31
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	3	0.31
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	11	0.31
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	11	0.31
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	11	0.31
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	16	0.31
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	16	0.31
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	16	0.31
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	3	0.31
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	8	0.31
(1,4172)	1:438:A:GLY:H	1:437:A:ARG:HB2	15	0.31
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	2	0.31
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	3	0.31
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	4	0.31
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	7	0.31
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	4	0.31
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	1	0.31
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	16	0.31
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	16	0.31
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	16	0.31
(1,4026)	1:408:A:ASN:HD21	1:409:A:TYR:H	15	0.31
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	4	0.31
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	9	0.31
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	7	0.31
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	7	0.31
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	7	0.31
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	7	0.31
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	7	0.31
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	7	0.31
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	7	0.31
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	7	0.31
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	14	0.31
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	14	0.31
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	14	0.31
(1,3829)	1:410:A:TRP:HH2	1:418:A:VAL:HA	5	0.31
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	12	0.31
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	19	0.31
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	20	0.31
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	20	0.31
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	20	0.31
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	6	0.31
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	6	0.31
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	6	0.31
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	6	0.31
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	6	0.31
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	6	0.31
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	5	0.31
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	11	0.31
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	13	0.31
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	19	0.31
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	4	0.31
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	4	0.31
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	5	0.31
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	5	0.31
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	12	0.31
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	12	0.31
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	13	0.31
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	13	0.31
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	18	0.31
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	18	0.31
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	12	0.31
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	12	0.31
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	19	0.31
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	19	0.31
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	3	0.31
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	3	0.31
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	3	0.31
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	14	0.31
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	14	0.31
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	16	0.31
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	16	0.31
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	16	0.31
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	13	0.31
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	16	0.31
(1,3492)	1:394:A:LYS:HA	1:393:A:LEU:H	4	0.31
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	7	0.31
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	16	0.31
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	18	0.31
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	20	0.31
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	2	0.31
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	14	0.31
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	5	0.31
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	11	0.31
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	15	0.31
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	17	0.31
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	2	0.31
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	3	0.31
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	5	0.31
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	6	0.31
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	8	0.31
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	9	0.31
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	10	0.31
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	11	0.31
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	12	0.31
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	13	0.31
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	14	0.31
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	15	0.31
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	16	0.31
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	17	0.31
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	18	0.31
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	19	0.31
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	20	0.31
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	1	0.31
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	1	0.31
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	3	0.31
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	3	0.31
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	5	0.31
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	5	0.31
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	15	0.31
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	15	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	19	0.31
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	19	0.31
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	14	0.31
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	13	0.31
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	2	0.31
(1,3302)	1:370:A:SER:HB2	1:371:A:GLY:H	1	0.31
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG11	19	0.31
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG12	19	0.31
(1,3289)	1:411:A:MET:HE1	1:457:A:VAL:HG13	19	0.31
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG11	19	0.31
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG12	19	0.31
(1,3289)	1:411:A:MET:HE2	1:457:A:VAL:HG13	19	0.31
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG11	19	0.31
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG12	19	0.31
(1,3289)	1:411:A:MET:HE3	1:457:A:VAL:HG13	19	0.31
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	3	0.31
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	6	0.31
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	9	0.31
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	14	0.31
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	14	0.31
(1,2997)	1:387:A:LYS:HD2	1:387:A:LYS:H	11	0.31
(1,2997)	1:387:A:LYS:HD2	1:387:A:LYS:H	18	0.31
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	4	0.31
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	10	0.31
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	20	0.31
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	7	0.31
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	5	0.31
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	6	0.31
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	10	0.31
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	12	0.31
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	15	0.31
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	16	0.31
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	1	0.31
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	4	0.31
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	7	0.31
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	8	0.31
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	9	0.31
(1,2883)	1:426:A:GLN:HB3	1:426:A:GLN:H	11	0.31
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	1	0.31
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	2	0.31
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	3	0.31
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	7	0.31
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	8	0.31
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	10	0.31
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	11	0.31
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	12	0.31
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	13	0.31
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	14	0.31
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	17	0.31
(1,2841)	1:435:A:LYS:HG3	1:435:A:LYS:HD3	20	0.31
(1,2839)	1:399:A:ASP:HB3	1:399:A:ASP:HA	13	0.31
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD1	17	0.31
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD2	17	0.31
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD1	17	0.31
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD2	17	0.31
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD1	17	0.31
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD2	17	0.31
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	20	0.31
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	20	0.31
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	20	0.31
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	7	0.31
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	1	0.31
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	8	0.31
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	4	0.31
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	15	0.31
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	16	0.31
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	19	0.31
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	8	0.31
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	9	0.31
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	9	0.31
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	9	0.31
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	16	0.31
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	16	0.31
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	16	0.31
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	11	0.31
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	14	0.31
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	15	0.31
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	2	0.31
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	2	0.31
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	3	0.31
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	4	0.31
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	5	0.31
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	7	0.31
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	9	0.31
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	10	0.31
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	11	0.31
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	12	0.31
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	13	0.31
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	14	0.31
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	15	0.31
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	16	0.31
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	17	0.31
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	18	0.31
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	19	0.31
(1,2488)	1:350:A:GLU:HG2	1:350:A:GLU:HA	20	0.31
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	7	0.31
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	10	0.31
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	13	0.31
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	20	0.31
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	7	0.31
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	3	0.31
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	8	0.31
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	12	0.31
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	1	0.31
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	6	0.31
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	2	0.31
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	2	0.31
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	2	0.31
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	13	0.31
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	13	0.31
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	13	0.31
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	14	0.31
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	14	0.31
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	14	0.31
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	18	0.31
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	18	0.31
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	18	0.31
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	2	0.31
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	8	0.31
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	15	0.31
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	17	0.31
(1,2367)	1:361:A:LYS:HB3	1:361:A:LYS:HE2	12	0.31
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	1	0.31
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	8	0.31
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	15	0.31
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	17	0.31
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	18	0.31
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	19	0.31
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	20	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	1	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	1	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	1	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	3	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	3	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	3	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	7	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	7	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	7	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	8	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	8	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	8	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	9	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	9	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	9	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	10	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	10	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	10	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	11	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	11	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	11	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	12	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	12	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	12	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	13	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	13	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	13	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	16	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	16	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	16	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	17	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	17	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	17	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	19	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	19	0.31
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	13	0.31
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	16	0.31
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	12	0.31
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	12	0.31
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	12	0.31
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	17	0.31
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	17	0.31
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	17	0.31
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	20	0.31
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	20	0.31
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	20	0.31
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	1	0.31
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	1	0.31
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	1	0.31
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	3	0.31
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	3	0.31
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	3	0.31
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	6	0.31
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	6	0.31
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	6	0.31
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	7	0.31
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	7	0.31
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	7	0.31
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	12	0.31
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	12	0.31
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	12	0.31
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	18	0.31
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	18	0.31
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	18	0.31
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	20	0.31
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	20	0.31
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	20	0.31
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	4	0.31
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	4	0.31
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	4	0.31
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	6	0.31
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	6	0.31
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	6	0.31
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	7	0.31
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	7	0.31
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	7	0.31
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	10	0.31
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	10	0.31
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	17	0.31
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	17	0.31
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	17	0.31
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	9	0.31
(1,2211)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	11	0.31
(1,2211)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	20	0.31
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	12	0.31
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	1	0.31
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	6	0.31
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	6	0.31
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	6	0.31
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	6	0.31
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	6	0.31
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	6	0.31
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	6	0.31
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	6	0.31
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	6	0.31
(1,2177)	1:367:A:ASP:HB2	1:368:A:ILE:H	18	0.31
(1,2177)	1:367:A:ASP:HB2	1:368:A:ILE:H	19	0.31
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	3	0.31
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	8	0.31
(1,2104)	1:437:A:ARG:HB2	1:438:A:GLY:H	15	0.31
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	12	0.31
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	11	0.31
(1,2067)	1:462:A:PRO:HB2	1:463:A:VAL:HA	16	0.31
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	4	0.31
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	12	0.31
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	18	0.31
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	18	0.31
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	18	0.31
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	3	0.31
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	6	0.31
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	8	0.31
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	16	0.31
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	19	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	4	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	4	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	4	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	6	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	6	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	8	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	8	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	8	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	10	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	10	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	10	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	11	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	11	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	11	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	13	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	13	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	13	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	17	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	17	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	17	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	18	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	18	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	18	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	19	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	19	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	19	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	20	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	20	0.31
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	20	0.31
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	11	0.31
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	1	0.31
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	1	0.31
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	1	0.31
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	3	0.31
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	3	0.31
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	3	0.31
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	7	0.31
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	7	0.31
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	7	0.31
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	8	0.31
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	8	0.31
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	8	0.31
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	9	0.31
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	9	0.31
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	9	0.31
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	10	0.31
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	10	0.31
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	11	0.31
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	11	0.31
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	11	0.31
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	12	0.31
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	12	0.31
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	12	0.31
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	13	0.31
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	13	0.31
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	13	0.31
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	16	0.31
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	16	0.31
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	16	0.31
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	17	0.31
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	17	0.31
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	17	0.31
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	19	0.31
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	19	0.31
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	19	0.31
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	2	0.31
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	3	0.31
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	4	0.31
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	6	0.31
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	7	0.31
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	9	0.31
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	11	0.31
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	12	0.31
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	14	0.31
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	15	0.31
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	17	0.31
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	18	0.31
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	19	0.31
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	4	0.31
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	14	0.31
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	18	0.31
(1,1816)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	9	0.31
(1,1814)	1:372:A:LYS:HB2	1:372:A:LYS:HE2	8	0.31
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	5	0.31
(1,1790)	1:387:A:LYS:HE3	1:387:A:LYS:HB3	14	0.31
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	1	0.31
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	11	0.31
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	12	0.31
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	7	0.31
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	7	0.31
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	7	0.31
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	16	0.31
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	16	0.31
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	16	0.31
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD21	19	0.31
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD22	19	0.31
(1,1750)	1:405:A:SER:HB3	1:393:A:LEU:HD23	19	0.31
(1,1737)	1:401:A:THR:HA	1:402:A:PRO:HD2	4	0.31
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	17	0.31
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	4	0.31
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	4	0.31
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	10	0.31
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	10	0.31
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	3	0.31
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	9	0.31
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	12	0.31
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	18	0.31
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	8	0.31
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	12	0.31
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	17	0.31
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	18	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	1	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	1	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	1	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	2	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	2	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	2	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	3	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	3	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	3	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	4	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	4	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	4	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	5	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	5	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	5	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	6	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	6	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	7	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	7	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	7	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	8	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	8	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	8	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	9	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	9	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	9	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	10	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	10	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	10	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	11	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	11	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	11	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	12	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	12	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	12	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	13	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	13	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	13	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	14	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	14	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	14	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	15	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	15	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	15	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	16	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	16	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	16	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	17	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	17	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	17	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	18	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	18	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	18	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	19	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	19	0.31
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	19	0.31
(1,1597)	1:443:A:ILE:HD11	1:443:A:ILE:HG12	20	0.31
(1,1597)	1:443:A:ILE:HD12	1:443:A:ILE:HG12	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1597)	1:443:A:ILE:HD13	1:443:A:ILE:HG12	20	0.31
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	1	0.31
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	2	0.31
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	7	0.31
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	8	0.31
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	10	0.31
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	14	0.31
(1,1593)	1:454:A:PHE:HB2	1:455:A:GLY:HA2	18	0.31
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	1	0.31
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	1	0.31
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	1	0.31
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	13	0.31
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	13	0.31
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	13	0.31
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	14	0.31
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	14	0.31
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	14	0.31
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	18	0.31
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	18	0.31
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	18	0.31
(1,1554)	1:361:A:LYS:HG2	1:361:A:LYS:H	7	0.31
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	20	0.31
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	20	0.31
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	20	0.31
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	4	0.31
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	1	0.31
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	1	0.31
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	1	0.31
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	8	0.31
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	8	0.31
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	8	0.31
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	9	0.31
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	9	0.31
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	9	0.31
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	11	0.31
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	11	0.31
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	11	0.31
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	3	0.31
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	5	0.31
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	17	0.31
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	14	0.31
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	4	0.31
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	7	0.31
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	8	0.31
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	12	0.31
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	13	0.31
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	15	0.31
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	16	0.31
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	17	0.31
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	6	0.31
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	11	0.31
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	13	0.31
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	16	0.31
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	10	0.31
(1,1074)	1:340:A:MET:HG2	1:341:A:GLU:H	3	0.31
(1,1074)	1:340:A:MET:HG2	1:341:A:GLU:H	10	0.31
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	18	0.31
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	3	0.31
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	5	0.31
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	9	0.31
(1,1065)	1:435:A:LYS:HA	1:435:A:LYS:HB3	16	0.31
(1,1031)	1:368:A:ILE:HB	1:368:A:ILE:HG12	1	0.31
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	1	0.31
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	20	0.31
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	2	0.31
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	10	0.31
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	7	0.31
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	7	0.31
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	7	0.31
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	9	0.31
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	9	0.31
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	9	0.31
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	8	0.31
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	12	0.31
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	17	0.31
(1,895)	1:362:A:VAL:HG21	1:357:A:TYR:HA	2	0.31
(1,895)	1:362:A:VAL:HG22	1:357:A:TYR:HA	2	0.31
(1,895)	1:362:A:VAL:HG23	1:357:A:TYR:HA	2	0.31
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	3	0.31
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	3	0.31
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	3	0.31
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	16	0.31
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	16	0.31
(1,848)	1:372:A:LYS:HE2	1:372:A:LYS:HG2	16	0.31
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	18	0.31
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	2	0.31
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	14	0.31
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	18	0.31
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	7	0.31
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	9	0.31
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	10	0.31
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	12	0.31
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	19	0.31
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	10	0.31
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	1	0.31
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	2	0.31
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	10	0.31
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	12	0.31
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	13	0.31
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	14	0.31
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	2	0.31
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	3	0.31
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	13	0.31
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	17	0.31
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	18	0.31
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	19	0.31
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	20	0.31
(1,688)	1:390:A:ASP:HA	1:389:A:GLU:HB3	6	0.31
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	2	0.31
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	3	0.31
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	10	0.31
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	12	0.31
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	13	0.31
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	20	0.31
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	1	0.31
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	18	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	1	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	2	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	3	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	4	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	5	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	6	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	7	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	10	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	11	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	12	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	13	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	14	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	15	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	16	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	17	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	18	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	19	0.31
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	20	0.31
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	11	0.31
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	11	0.31
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	11	0.31
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	2	0.31
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	5	0.31
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	14	0.31
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	16	0.31
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	3	0.31
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	8	0.31
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	4	0.31
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	14	0.31
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	18	0.31
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	5	0.31
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	12	0.31
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	15	0.31
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	17	0.31
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	18	0.31
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD1	13	0.31
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD2	13	0.31
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD1	13	0.31
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD2	13	0.31
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD1	13	0.31
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD2	13	0.31
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD1	18	0.31
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD2	18	0.31
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD1	18	0.31
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD2	18	0.31
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD1	18	0.31
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD2	18	0.31
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD1	20	0.31
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD2	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD1	20	0.31
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD2	20	0.31
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD1	20	0.31
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD2	20	0.31
(1,379)	1:402:A:PRO:HD2	1:401:A:THR:HA	4	0.31
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	4	0.31
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	4	0.31
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	4	0.31
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	6	0.31
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	6	0.31
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	6	0.31
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	7	0.31
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	7	0.31
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	7	0.31
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	10	0.31
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	10	0.31
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	10	0.31
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	17	0.31
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	17	0.31
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	17	0.31
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	8	0.31
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	3	0.31
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	3	0.31
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	3	0.31
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	3	0.31
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	3	0.31
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	3	0.31
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	5	0.31
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	8	0.31
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	8	0.31
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	8	0.31
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	20	0.31
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	20	0.31
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	20	0.31
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	4	0.31
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	8	0.31
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	17	0.31
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	18	0.31
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	1	0.31
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	2	0.31
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	10	0.31
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	15	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	18	0.31
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	20	0.31
(1,4)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	5	0.31
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	11	0.3
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	20	0.3
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	20	0.3
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	20	0.3
(1,4973)	1:385:A:TRP:HE1	1:413:A:ILE:HA	4	0.3
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	14	0.3
(1,4945)	1:441:A:GLY:H	1:372:A:LYS:H	9	0.3
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	5	0.3
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	10	0.3
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	5	0.3
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	16	0.3
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	9	0.3
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	14	0.3
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	5	0.3
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	10	0.3
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	20	0.3
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	8	0.3
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	19	0.3
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	6	0.3
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	9	0.3
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	12	0.3
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	13	0.3
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	14	0.3
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	17	0.3
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	8	0.3
(1,4762)	1:444:A:ASN:H	1:368:A:ILE:HB	6	0.3
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	4	0.3
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	14	0.3
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	16	0.3
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	18	0.3
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	4	0.3
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	7	0.3
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	10	0.3
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	12	0.3
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	20	0.3
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	4	0.3
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	11	0.3
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	13	0.3
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	13	0.3
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	18	0.3
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	8	0.3
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	12	0.3
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	7	0.3
(1,4677)	1:360:A:GLY:H	1:361:A:LYS:H	9	0.3
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	1	0.3
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	2	0.3
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	6	0.3
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	7	0.3
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	9	0.3
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	18	0.3
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	7	0.3
(1,4563)	1:408:A:ASN:H	1:407:A:VAL:HG21	12	0.3
(1,4563)	1:408:A:ASN:H	1:407:A:VAL:HG22	12	0.3
(1,4563)	1:408:A:ASN:H	1:407:A:VAL:HG23	12	0.3
(1,4527)	1:441:A:GLY:H	1:439:A:SER:H	20	0.3
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	9	0.3
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	1	0.3
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	2	0.3
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	6	0.3
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	7	0.3
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	9	0.3
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	18	0.3
(1,4501)	1:391:A:ALA:H	1:389:A:GLU:HB3	14	0.3
(1,4501)	1:391:A:ALA:H	1:389:A:GLU:HB3	15	0.3
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	13	0.3
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	7	0.3
(1,4444)	1:360:A:GLY:H	1:342:A:ASP:HA	12	0.3
(1,4427)	1:466:A:PHE:H	1:349:A:LEU:H	1	0.3
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	7	0.3
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	12	0.3
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	4	0.3
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	13	0.3
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	13	0.3
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	11	0.3
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	15	0.3
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	18	0.3
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	6	0.3
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	20	0.3
(1,4205)	1:444:A:ASN:H	1:444:A:ASN:HB2	18	0.3
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	9	0.3
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	9	0.3
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	10	0.3
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	10	0.3
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	10	0.3
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	5	0.3
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	16	0.3
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	10	0.3
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	13	0.3
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	18	0.3
(1,4123)	1:464:A:LEU:H	1:463:A:VAL:HA	14	0.3
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	7	0.3
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	7	0.3
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	7	0.3
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	13	0.3
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	13	0.3
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	13	0.3
(1,4021)	1:458:A:GLU:H	1:458:A:GLU:HG2	3	0.3
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG21	3	0.3
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG22	3	0.3
(1,3999)	1:413:A:ILE:H	1:413:A:ILE:HG23	3	0.3
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	18	0.3
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	3	0.3
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	3	0.3
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	3	0.3
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	4	0.3
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	4	0.3
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	4	0.3
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	4	0.3
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	4	0.3
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	4	0.3
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	5	0.3
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	5	0.3
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	5	0.3
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	5	0.3
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	5	0.3
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	5	0.3
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	2	0.3
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	2	0.3
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	3	0.3
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	3	0.3
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	11	0.3
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	5	0.3
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	6	0.3
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	14	0.3
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	5	0.3
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	15	0.3
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	7	0.3
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	17	0.3
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	12	0.3
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	12	0.3
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	15	0.3
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	15	0.3
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	15	0.3
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	15	0.3
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	15	0.3
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	15	0.3
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	18	0.3
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	18	0.3
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	18	0.3
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	18	0.3
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	18	0.3
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	18	0.3
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	1	0.3
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	4	0.3
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	14	0.3
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	15	0.3
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	11	0.3
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	11	0.3
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	16	0.3
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	3	0.3
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	3	0.3
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	14	0.3
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	14	0.3
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	8	0.3
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	8	0.3
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	15	0.3
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	15	0.3
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	19	0.3
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	19	0.3
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	20	0.3
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	20	0.3
(1,3586)	1:466:A:PHE:HE1	1:348:A:ASP:HB2	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3586)	1:466:A:PHE:HE2	1:348:A:ASP:HB2	13	0.3
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	7	0.3
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	7	0.3
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	7	0.3
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	10	0.3
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	10	0.3
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	10	0.3
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	19	0.3
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	19	0.3
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	19	0.3
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	9	0.3
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	18	0.3
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	8	0.3
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	6	0.3
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	11	0.3
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	13	0.3
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	18	0.3
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	2	0.3
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	6	0.3
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	7	0.3
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	13	0.3
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	20	0.3
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	1	0.3
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	4	0.3
(1,3432)	1:366:A:THR:HA	1:366:A:THR:H	7	0.3
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	6	0.3
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	6	0.3
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	17	0.3
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	17	0.3
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	3	0.3
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	5	0.3
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	7	0.3
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	12	0.3
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	15	0.3
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	19	0.3
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	1	0.3
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	3	0.3
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	4	0.3
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	3	0.3
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	6	0.3
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	7	0.3
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	4	0.3
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	4	0.3
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	8	0.3
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	8	0.3
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	8	0.3
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	11	0.3
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	11	0.3
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	11	0.3
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	19	0.3
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	19	0.3
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	19	0.3
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	20	0.3
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	20	0.3
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	20	0.3
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	13	0.3
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	13	0.3
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	13	0.3
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	14	0.3
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	1	0.3
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	4	0.3
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	18	0.3
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	11	0.3
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	16	0.3
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	20	0.3
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	10	0.3
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	12	0.3
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	13	0.3
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	16	0.3
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	17	0.3
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	19	0.3
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	3	0.3
(1,3074)	1:372:A:LYS:HE2	1:372:A:LYS:HD3	11	0.3
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	17	0.3
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	17	0.3
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	17	0.3
(1,2997)	1:387:A:LYS:HD2	1:387:A:LYS:H	1	0.3
(1,2997)	1:387:A:LYS:HD2	1:387:A:LYS:H	8	0.3
(1,2997)	1:387:A:LYS:HD2	1:387:A:LYS:H	9	0.3
(1,2997)	1:387:A:LYS:HD2	1:387:A:LYS:H	12	0.3
(1,2997)	1:387:A:LYS:HD2	1:387:A:LYS:H	17	0.3
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	16	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	2	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	2	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	3	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	3	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	3	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	5	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	5	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	5	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	7	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	7	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	7	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	9	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	9	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	9	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	11	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	11	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	11	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	17	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	17	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	17	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	20	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	20	0.3
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	20	0.3
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	2	0.3
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	3	0.3
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	8	0.3
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	14	0.3
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	18	0.3
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	5	0.3
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	17	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	1	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	1	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	1	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	2	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	2	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	2	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	3	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	3	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	3	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	4	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	4	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	5	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	5	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	5	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	6	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	6	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	6	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	7	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	7	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	7	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	8	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	8	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	8	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	10	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	10	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	10	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	11	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	11	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	11	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	12	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	12	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	12	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	13	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	13	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	13	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	14	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	14	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	14	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	15	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	15	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	15	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	16	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	16	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	16	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	17	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	17	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	17	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	18	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	18	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	18	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	19	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	19	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	20	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	20	0.3
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	20	0.3
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	2	0.3
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	3	0.3
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	6	0.3
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	7	0.3
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	9	0.3
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	10	0.3
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	11	0.3
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	13	0.3
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	14	0.3
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	15	0.3
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	18	0.3
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	19	0.3
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	20	0.3
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	3	0.3
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	17	0.3
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	20	0.3
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	13	0.3
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	18	0.3
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	20	0.3
(1,2839)	1:399:A:ASP:HB3	1:399:A:ASP:HA	19	0.3
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	2	0.3
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	3	0.3
(1,2701)	1:376:A:PRO:HG3	1:376:A:PRO:HA	10	0.3
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	9	0.3
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	9	0.3
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	9	0.3
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	12	0.3
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	19	0.3
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	1	0.3
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	4	0.3
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	5	0.3
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	7	0.3
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	10	0.3
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	14	0.3
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	18	0.3
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	19	0.3
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	20	0.3
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	8	0.3
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	2	0.3
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	5	0.3
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	6	0.3
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	15	0.3
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	16	0.3
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	10	0.3
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	6	0.3
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	11	0.3
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	4	0.3
(1,2416)	1:373:A:PRO:HA	1:373:A:PRO:HD3	11	0.3
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	3	0.3
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	3	0.3
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	3	0.3
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	8	0.3
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	8	0.3
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	8	0.3
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	17	0.3
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	17	0.3
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	17	0.3
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	19	0.3
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	19	0.3
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	19	0.3
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	4	0.3
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	6	0.3
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	7	0.3
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	12	0.3
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	13	0.3
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	2	0.3
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	2	0.3
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	2	0.3
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	2	0.3
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	3	0.3
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	4	0.3
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	5	0.3
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	7	0.3
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	9	0.3
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	10	0.3
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	11	0.3
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	12	0.3
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	13	0.3
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	14	0.3
(1,2360)	1:345:A:ILE:HA	1:344:A:TYR:HB3	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	4	0.3
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	4	0.3
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	4	0.3
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	15	0.3
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	15	0.3
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	15	0.3
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	18	0.3
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	18	0.3
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	18	0.3
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	20	0.3
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	20	0.3
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	20	0.3
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	16	0.3
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	16	0.3
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	16	0.3
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	16	0.3
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	2	0.3
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	2	0.3
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	2	0.3
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	8	0.3
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	8	0.3
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	8	0.3
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	5	0.3
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	12	0.3
(1,2218)	1:425:A:TRP:HB2	1:425:A:TRP:HD1	15	0.3
(1,2211)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	1	0.3
(1,2211)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	18	0.3
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	2	0.3
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	2	0.3
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	2	0.3
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	2	0.3
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	2	0.3
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	2	0.3
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	2	0.3
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	2	0.3
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	2	0.3
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	18	0.3
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	18	0.3
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	18	0.3
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	18	0.3
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	18	0.3
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	18	0.3
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	18	0.3
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	18	0.3
(1,2177)	1:367:A:ASP:HB2	1:368:A:ILE:H	6	0.3
(1,2177)	1:367:A:ASP:HB2	1:368:A:ILE:H	9	0.3
(1,2177)	1:367:A:ASP:HB2	1:368:A:ILE:H	13	0.3
(1,2168)	1:368:A:ILE:HA	1:367:A:ASP:HB3	14	0.3
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	11	0.3
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	16	0.3
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	19	0.3
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	20	0.3
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	17	0.3
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	14	0.3
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	14	0.3
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	14	0.3
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	10	0.3
(1,1931)	1:376:A:PRO:HB2	1:376:A:PRO:HD2	15	0.3
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	5	0.3
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	5	0.3
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	5	0.3
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG21	16	0.3
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG22	16	0.3
(1,1892)	1:420:A:ILE:HG12	1:420:A:ILE:HG23	16	0.3
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	17	0.3
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	4	0.3
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	4	0.3
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	4	0.3
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	15	0.3
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	15	0.3
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	15	0.3
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	18	0.3
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	18	0.3
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	18	0.3
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	20	0.3
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	20	0.3
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	20	0.3
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	15	0.3
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	19	0.3
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	5	0.3
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	10	0.3
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	13	0.3
(1,1864)	1:361:A:LYS:HE2	1:361:A:LYS:HG3	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	1	0.3
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	20	0.3
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	6	0.3
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	10	0.3
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	15	0.3
(1,1790)	1:387:A:LYS:HE3	1:387:A:LYS:HB3	18	0.3
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	12	0.3
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	16	0.3
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	18	0.3
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	19	0.3
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	18	0.3
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	18	0.3
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	18	0.3
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	18	0.3
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	18	0.3
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	18	0.3
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	4	0.3
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	7	0.3
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	9	0.3
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	13	0.3
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	15	0.3
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	19	0.3
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	20	0.3
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	13	0.3
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	13	0.3
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	13	0.3
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	20	0.3
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	20	0.3
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	20	0.3
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	16	0.3
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	14	0.3
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	7	0.3
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	11	0.3
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	15	0.3
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	14	0.3
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	19	0.3
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	5	0.3
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	5	0.3
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	5	0.3
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	5	0.3
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	5	0.3
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	5	0.3
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	5	0.3
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	5	0.3
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	19	0.3
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	19	0.3
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	19	0.3
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	19	0.3
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	19	0.3
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	19	0.3
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	19	0.3
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	19	0.3
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	19	0.3
(1,1562)	1:456:A:MET:HE1	1:364:A:LEU:HB3	17	0.3
(1,1562)	1:456:A:MET:HE2	1:364:A:LEU:HB3	17	0.3
(1,1562)	1:456:A:MET:HE3	1:364:A:LEU:HB3	17	0.3
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	2	0.3
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	2	0.3
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	2	0.3
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	5	0.3
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	5	0.3
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	5	0.3
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	17	0.3
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	17	0.3
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	17	0.3
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	1	0.3
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	2	0.3
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	7	0.3
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	12	0.3
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	19	0.3
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD21	2	0.3
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD22	2	0.3
(1,1502)	1:453:A:LEU:HB2	1:453:A:LEU:HD23	2	0.3
(1,1467)	1:372:A:LYS:HB3	1:372:A:LYS:HD3	8	0.3
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	2	0.3
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	6	0.3
(1,1445)	1:463:A:VAL:HG21	1:345:A:ILE:H	7	0.3
(1,1445)	1:463:A:VAL:HG22	1:345:A:ILE:H	7	0.3
(1,1445)	1:463:A:VAL:HG23	1:345:A:ILE:H	7	0.3
(1,1445)	1:463:A:VAL:HG21	1:345:A:ILE:H	18	0.3
(1,1445)	1:463:A:VAL:HG22	1:345:A:ILE:H	18	0.3
(1,1445)	1:463:A:VAL:HG23	1:345:A:ILE:H	18	0.3
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	11	0.3
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	3	0.3
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	3	0.3
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	3	0.3
(1,1268)	1:411:A:MET:HE1	1:454:A:PHE:HD1	6	0.3
(1,1268)	1:411:A:MET:HE1	1:454:A:PHE:HD2	6	0.3
(1,1268)	1:411:A:MET:HE2	1:454:A:PHE:HD1	6	0.3
(1,1268)	1:411:A:MET:HE2	1:454:A:PHE:HD2	6	0.3
(1,1268)	1:411:A:MET:HE3	1:454:A:PHE:HD1	6	0.3
(1,1268)	1:411:A:MET:HE3	1:454:A:PHE:HD2	6	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	1	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	2	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	3	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	4	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	5	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	6	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	7	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	8	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	9	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	10	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	11	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	12	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	13	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	14	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	15	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	16	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	17	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	18	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	19	0.3
(1,1264)	1:446:A:PRO:HG3	1:446:A:PRO:HB2	20	0.3
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	9	0.3
(1,1209)	1:445:A:THR:HA	1:446:A:PRO:HD2	3	0.3
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	1	0.3
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	5	0.3
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	6	0.3
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	14	0.3
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	18	0.3
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	19	0.3
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	20	0.3
(1,1108)	1:433:A:LEU:HA	1:433:A:LEU:HB3	5	0.3
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	10	0.3
(1,1017)	1:402:A:PRO:HA	1:402:A:PRO:HB3	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	13	0.3
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	14	0.3
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	4	0.3
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	5	0.3
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	2	0.3
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	2	0.3
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	2	0.3
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	5	0.3
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	5	0.3
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	5	0.3
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	11	0.3
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	11	0.3
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	11	0.3
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	13	0.3
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	13	0.3
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	13	0.3
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	14	0.3
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	14	0.3
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	14	0.3
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	16	0.3
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	16	0.3
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	16	0.3
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	17	0.3
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	17	0.3
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	17	0.3
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	7	0.3
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	11	0.3
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	15	0.3
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	1	0.3
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	18	0.3
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	19	0.3
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	2	0.3
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	16	0.3
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	17	0.3
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	11	0.3
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	15	0.3
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	6	0.3
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	6	0.3
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	6	0.3
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	6	0.3
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	6	0.3
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	6	0.3
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	6	0.3
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	6	0.3
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	7	0.3
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	7	0.3
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	7	0.3
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	7	0.3
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	7	0.3
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	7	0.3
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	7	0.3
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	7	0.3
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	7	0.3
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	17	0.3
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	9	0.3
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	10	0.3
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	10	0.3
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	10	0.3
(1,684)	1:464:A:LEU:HG	1:464:A:LEU:HA	1	0.3
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	8	0.3
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	17	0.3
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	19	0.3
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	13	0.3
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	14	0.3
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	10	0.3
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	10	0.3
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	10	0.3
(1,620)	1:355:A:TRP:HB2	1:355:A:TRP:HA	9	0.3
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	13	0.3
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	13	0.3
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	13	0.3
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	1	0.3
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	3	0.3
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	4	0.3
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	6	0.3
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	7	0.3
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	8	0.3
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	9	0.3
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	15	0.3
(1,591)	1:390:A:ASP:HA	1:390:A:ASP:H	19	0.3
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	11	0.3
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	8	0.3
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	5	0.3
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	1	0.3
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	20	0.3
(1,462)	1:372:A:LYS:HE2	1:372:A:LYS:HG3	11	0.3
(1,456)	1:463:A:VAL:HG21	1:463:A:VAL:HA	16	0.3
(1,456)	1:463:A:VAL:HG22	1:463:A:VAL:HA	16	0.3
(1,456)	1:463:A:VAL:HG23	1:463:A:VAL:HA	16	0.3
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	6	0.3
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	10	0.3
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	18	0.3
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	20	0.3
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	2	0.3
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	5	0.3
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	9	0.3
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	11	0.3
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	16	0.3
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD1	15	0.3
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD2	15	0.3
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD1	15	0.3
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD2	15	0.3
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD1	15	0.3
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD2	15	0.3
(1,314)	1:411:A:MET:HA	1:412:A:PRO:HB3	18	0.3
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	1	0.3
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	11	0.3
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	19	0.3
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	20	0.3
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	2	0.3
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	2	0.3
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	2	0.3
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	2	0.3
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	2	0.3
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	2	0.3
(1,206)	1:364:A:LEU:HG	1:364:A:LEU:HA	12	0.3
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	6	0.3
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	15	0.3
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	16	0.3
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	18	0.3
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	16	0.3
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	4	0.3
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	4	0.3
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	19	0.3
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	1	0.3
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	1	0.3
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	1	0.3
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	4	0.3
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	6	0.3
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	13	0.3
(1,4)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	3	0.3
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	6	0.29
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	13	0.29
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	14	0.29
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	18	0.29
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	7	0.29
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	3	0.29
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	5	0.29
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	16	0.29
(1,4842)	1:423:A:SER:H	1:422:A:ASP:HA	16	0.29
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	6	0.29
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	4	0.29
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	9	0.29
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	10	0.29
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	11	0.29
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	3	0.29
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	16	0.29
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	3	0.29
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	2	0.29
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	13	0.29
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	15	0.29
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	1	0.29
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	8	0.29
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	18	0.29
(1,4725)	1:395:A:GLY:H	1:402:A:PRO:HB3	10	0.29
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	9	0.29
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	13	0.29
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	16	0.29
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	10	0.29
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	10	0.29
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	10	0.29
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	14	0.29
(1,4695)	1:401:A:THR:H	1:399:A:ASP:HB3	3	0.29
(1,4695)	1:401:A:THR:H	1:399:A:ASP:HB3	9	0.29
(1,4695)	1:401:A:THR:H	1:399:A:ASP:HB3	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	16	0.29
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	7	0.29
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	19	0.29
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	4	0.29
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	11	0.29
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	17	0.29
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	19	0.29
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	20	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	1	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	2	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	3	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	4	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	5	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	6	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	7	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	8	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	9	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	10	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	11	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	12	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	13	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	14	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	15	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	17	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	18	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	19	0.29
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	20	0.29
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	13	0.29
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	17	0.29
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	18	0.29
(1,4598)	1:397:A:ASN:HD22	1:403:A:TYR:HB2	8	0.29
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	10	0.29
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	11	0.29
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	14	0.29
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	4	0.29
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	11	0.29
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	17	0.29
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	19	0.29
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	20	0.29
(1,4501)	1:391:A:ALA:H	1:389:A:GLU:HB3	19	0.29
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	16	0.29
(1,4467)	1:360:A:GLY:H	1:359:A:ASP:H	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	1	0.29
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	2	0.29
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	5	0.29
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	10	0.29
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	11	0.29
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	20	0.29
(1,4376)	1:426:A:GLN:H	1:427:A:PRO:HA	9	0.29
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	10	0.29
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	2	0.29
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	7	0.29
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	15	0.29
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	3	0.29
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	3	0.29
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	12	0.29
(1,4270)	1:420:A:ILE:H	1:420:A:ILE:HB	5	0.29
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	9	0.29
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	11	0.29
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	12	0.29
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	13	0.29
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	13	0.29
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	6	0.29
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	6	0.29
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	6	0.29
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	17	0.29
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	17	0.29
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	17	0.29
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	7	0.29
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	7	0.29
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	8	0.29
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	11	0.29
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	12	0.29
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	12	0.29
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	4	0.29
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	5	0.29
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	12	0.29
(1,4125)	1:425:A:TRP:H	1:426:A:GLN:HB3	16	0.29
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	14	0.29
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	1	0.29
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	1	0.29
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	8	0.29
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	8	0.29
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	15	0.29
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	18	0.29
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	18	0.29
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	19	0.29
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	19	0.29
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	20	0.29
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	20	0.29
(1,3893)	1:425:A:TRP:HD1	1:426:A:GLN:HB2	16	0.29
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	6	0.29
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	4	0.29
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	4	0.29
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	5	0.29
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	5	0.29
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	8	0.29
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	8	0.29
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	12	0.29
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	12	0.29
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	15	0.29
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	15	0.29
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	16	0.29
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	16	0.29
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	18	0.29
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	18	0.29
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	1	0.29
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	2	0.29
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	3	0.29
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	4	0.29
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	7	0.29
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	8	0.29
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	9	0.29
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	12	0.29
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	15	0.29
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	17	0.29
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	18	0.29
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	20	0.29
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	2	0.29
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	2	0.29
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	17	0.29
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	17	0.29
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	9	0.29
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	17	0.29
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	20	0.29
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	12	0.29
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	12	0.29
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	12	0.29
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	12	0.29
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	12	0.29
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	12	0.29
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	10	0.29
(1,3660)	1:385:A:TRP:HD1	1:385:A:TRP:HB3	20	0.29
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	8	0.29
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	8	0.29
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	15	0.29
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	15	0.29
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	16	0.29
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	16	0.29
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	13	0.29
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	13	0.29
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	4	0.29
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	4	0.29
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	9	0.29
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	9	0.29
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	8	0.29
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	5	0.29
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	5	0.29
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	5	0.29
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	7	0.29
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	7	0.29
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	7	0.29
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	20	0.29
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	20	0.29
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	20	0.29
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	11	0.29
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	11	0.29
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	11	0.29
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	1	0.29
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	4	0.29
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	16	0.29
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	7	0.29
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	11	0.29
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	12	0.29
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	17	0.29
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	5	0.29
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	3	0.29
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	4	0.29
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	5	0.29
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	9	0.29
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	16	0.29
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	1	0.29
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	3	0.29
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	4	0.29
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	8	0.29
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	9	0.29
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	12	0.29
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	16	0.29
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	19	0.29
(1,3425)	1:382:A:PHE:HB2	1:383:A:TYR:H	16	0.29
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	2	0.29
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	2	0.29
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	18	0.29
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	18	0.29
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	2	0.29
(1,3339)	1:404:A:GLU:HA	1:405:A:SER:H	9	0.29
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	1	0.29
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	16	0.29
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	17	0.29
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	5	0.29
(1,3302)	1:370:A:SER:HB2	1:371:A:GLY:H	6	0.29
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	18	0.29
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	18	0.29
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	18	0.29
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	5	0.29
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	5	0.29
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	5	0.29
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	6	0.29
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	6	0.29
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	6	0.29
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	16	0.29
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	16	0.29
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	16	0.29
(1,3241)	1:389:A:GLU:HG3	1:389:A:GLU:HB2	6	0.29
(1,3240)	1:411:A:MET:HG3	1:411:A:MET:HA	6	0.29
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	5	0.29
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	4	0.29
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	4	0.29
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	4	0.29
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	2	0.29
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	3	0.29
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	8	0.29
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	9	0.29
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	10	0.29
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	11	0.29
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	13	0.29
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	15	0.29
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	19	0.29
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	20	0.29
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	20	0.29
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	14	0.29
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	8	0.29
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	9	0.29
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	11	0.29
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	14	0.29
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	18	0.29
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	20	0.29
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	19	0.29
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	19	0.29
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	19	0.29
(1,3023)	1:343:A:THR:HB	1:343:A:THR:H	8	0.29
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	12	0.29
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	20	0.29
(1,2997)	1:387:A:LYS:HD2	1:387:A:LYS:H	20	0.29
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	8	0.29
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	9	0.29
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	12	0.29
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	19	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	1	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	1	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	1	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	4	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	4	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	4	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	6	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	6	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	6	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	8	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	8	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	10	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	10	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	10	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	12	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	12	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	12	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	13	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	13	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	13	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	14	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	14	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	14	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	15	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	15	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	15	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	16	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	16	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	16	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	18	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	18	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	18	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD11	19	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD12	19	0.29
(1,2942)	1:420:A:ILE:HG12	1:420:A:ILE:HD13	19	0.29
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	1	0.29
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	4	0.29
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	7	0.29
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	9	0.29
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	11	0.29
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	13	0.29
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	16	0.29
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	17	0.29
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	19	0.29
(1,2941)	1:406:A:PRO:HB2	1:406:A:PRO:HA	20	0.29
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	18	0.29
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	2	0.29
(1,2917)	1:367:A:ASP:HB3	1:367:A:ASP:H	12	0.29
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD11	9	0.29
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD12	9	0.29
(1,2914)	1:443:A:ILE:HG13	1:443:A:ILE:HD13	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	5	0.29
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	12	0.29
(1,2877)	1:372:A:LYS:HE3	1:372:A:LYS:HB3	11	0.29
(1,2861)	1:407:A:VAL:HG21	1:409:A:TYR:H	12	0.29
(1,2861)	1:407:A:VAL:HG22	1:409:A:TYR:H	12	0.29
(1,2861)	1:407:A:VAL:HG23	1:409:A:TYR:H	12	0.29
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	2	0.29
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	3	0.29
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	4	0.29
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	5	0.29
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	6	0.29
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	7	0.29
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	8	0.29
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	9	0.29
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	10	0.29
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	12	0.29
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	14	0.29
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	15	0.29
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	16	0.29
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	19	0.29
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	14	0.29
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	14	0.29
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	14	0.29
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	14	0.29
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	1	0.29
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	3	0.29
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	16	0.29
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	13	0.29
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	15	0.29
(1,2700)	1:427:A:PRO:HB2	1:428:A:GLU:HA	9	0.29
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	5	0.29
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	5	0.29
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	5	0.29
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	19	0.29
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	19	0.29
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	19	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	1	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	1	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	1	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	2	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	2	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	3	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	3	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	3	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	4	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	4	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	4	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	5	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	5	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	5	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	6	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	6	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	6	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	7	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	7	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	7	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	8	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	8	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	8	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	10	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	10	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	10	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	11	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	11	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	11	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	12	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	12	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	12	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	13	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	13	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	13	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	14	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	14	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	14	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	15	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	15	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	15	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	16	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	16	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	16	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	17	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	17	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	18	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	18	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	18	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	19	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	19	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	19	0.29
(1,2647)	1:457:A:VAL:HG11	1:457:A:VAL:HB	20	0.29
(1,2647)	1:457:A:VAL:HG12	1:457:A:VAL:HB	20	0.29
(1,2647)	1:457:A:VAL:HG13	1:457:A:VAL:HB	20	0.29
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	2	0.29
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	2	0.29
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	2	0.29
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	4	0.29
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	4	0.29
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	4	0.29
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	9	0.29
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	9	0.29
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	9	0.29
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	11	0.29
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	11	0.29
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	11	0.29
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	6	0.29
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	4	0.29
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	8	0.29
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	10	0.29
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	8	0.29
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	12	0.29
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	15	0.29
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	17	0.29
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	6	0.29
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	6	0.29
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	6	0.29
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	6	0.29
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	6	0.29
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	6	0.29
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	6	0.29
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	6	0.29
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	6	0.29
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	1	0.29
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	3	0.29
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	9	0.29
(1,2488)	1:350:A:GLU:HG2	1:350:A:GLU:HA	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	3	0.29
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	4	0.29
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	12	0.29
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	14	0.29
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	18	0.29
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	19	0.29
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	15	0.29
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	12	0.29
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	1	0.29
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	1	0.29
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	1	0.29
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	7	0.29
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	7	0.29
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	7	0.29
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	9	0.29
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	9	0.29
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	9	0.29
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	20	0.29
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	20	0.29
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	20	0.29
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	1	0.29
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	1	0.29
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	1	0.29
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	14	0.29
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	5	0.29
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	5	0.29
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	5	0.29
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG21	14	0.29
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG22	14	0.29
(1,2325)	1:347:A:VAL:HA	1:347:A:VAL:HG23	14	0.29
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	5	0.29
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	13	0.29
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	19	0.29
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	16	0.29
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	4	0.29
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	4	0.29
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	4	0.29
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	13	0.29
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	13	0.29
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	13	0.29
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	18	0.29
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	18	0.29
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	4	0.29
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	4	0.29
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	4	0.29
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	11	0.29
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	11	0.29
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	11	0.29
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	14	0.29
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	14	0.29
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	14	0.29
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	1	0.29
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	1	0.29
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	1	0.29
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	20	0.29
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	20	0.29
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	20	0.29
(1,2211)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	15	0.29
(1,2177)	1:367:A:ASP:HB2	1:368:A:ILE:H	14	0.29
(1,2177)	1:367:A:ASP:HB2	1:368:A:ILE:H	20	0.29
(1,2168)	1:368:A:ILE:HA	1:367:A:ASP:HB3	5	0.29
(1,2168)	1:368:A:ILE:HA	1:367:A:ASP:HB3	9	0.29
(1,2168)	1:368:A:ILE:HA	1:367:A:ASP:HB3	13	0.29
(1,2168)	1:368:A:ILE:HA	1:367:A:ASP:HB3	15	0.29
(1,2168)	1:368:A:ILE:HA	1:367:A:ASP:HB3	16	0.29
(1,2168)	1:368:A:ILE:HA	1:367:A:ASP:HB3	20	0.29
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	2	0.29
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	8	0.29
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	8	0.29
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	5	0.29
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	6	0.29
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	7	0.29
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	12	0.29
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	20	0.29
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	4	0.29
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	4	0.29
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	4	0.29
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	10	0.29
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	10	0.29
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	10	0.29
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	13	0.29
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	13	0.29
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	20	0.29
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	20	0.29
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	20	0.29
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	19	0.29
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	19	0.29
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	19	0.29
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	9	0.29
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	9	0.29
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	9	0.29
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	9	0.29
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	9	0.29
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	9	0.29
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	9	0.29
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	9	0.29
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	9	0.29
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	11	0.29
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	11	0.29
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	11	0.29
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	11	0.29
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	11	0.29
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	11	0.29
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	11	0.29
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	11	0.29
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	11	0.29
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	5	0.29
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	5	0.29
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	5	0.29
(1,1879)	1:347:A:VAL:HG21	1:347:A:VAL:HA	14	0.29
(1,1879)	1:347:A:VAL:HG22	1:347:A:VAL:HA	14	0.29
(1,1879)	1:347:A:VAL:HG23	1:347:A:VAL:HA	14	0.29
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	2	0.29
(1,1864)	1:361:A:LYS:HE2	1:361:A:LYS:HG3	1	0.29
(1,1864)	1:361:A:LYS:HE2	1:361:A:LYS:HG3	2	0.29
(1,1864)	1:361:A:LYS:HE2	1:361:A:LYS:HG3	5	0.29
(1,1864)	1:361:A:LYS:HE2	1:361:A:LYS:HG3	11	0.29
(1,1864)	1:361:A:LYS:HE2	1:361:A:LYS:HG3	18	0.29
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	8	0.29
(1,1816)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	14	0.29
(1,1816)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	19	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	1	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	1	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	2	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	2	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	2	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	3	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	3	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	3	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	4	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	4	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	4	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	5	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	5	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	5	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	6	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	6	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	6	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	7	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	7	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	7	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	8	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	8	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	8	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	9	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	9	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	9	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	10	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	10	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	10	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	11	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	11	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	11	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	12	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	12	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	12	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	13	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	13	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	13	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	14	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	14	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	14	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	15	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	15	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	16	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	16	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	16	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	17	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	17	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	17	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	18	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	18	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	18	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	19	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	19	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	19	0.29
(1,1805)	1:384:A:VAL:HG11	1:384:A:VAL:HB	20	0.29
(1,1805)	1:384:A:VAL:HG12	1:384:A:VAL:HB	20	0.29
(1,1805)	1:384:A:VAL:HG13	1:384:A:VAL:HB	20	0.29
(1,1790)	1:387:A:LYS:HE3	1:387:A:LYS:HB3	11	0.29
(1,1790)	1:387:A:LYS:HE3	1:387:A:LYS:HB3	12	0.29
(1,1782)	1:377:A:THR:HA	1:376:A:PRO:HA	4	0.29
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	12	0.29
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	15	0.29
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	15	0.29
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	15	0.29
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	15	0.29
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	15	0.29
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	15	0.29
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	1	0.29
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	5	0.29
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	6	0.29
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	10	0.29
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	16	0.29
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	18	0.29
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	9	0.29
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	9	0.29
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	9	0.29
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	4	0.29
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	4	0.29
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	4	0.29
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	8	0.29
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	8	0.29
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	8	0.29
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	10	0.29
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	10	0.29
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	14	0.29
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	14	0.29
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	14	0.29
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	18	0.29
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	18	0.29
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	18	0.29
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	13	0.29
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	5	0.29
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	8	0.29
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	17	0.29
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	2	0.29
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	4	0.29
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	13	0.29
(1,1566)	1:427:A:PRO:HA	1:426:A:GLN:HB3	10	0.29
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	8	0.29
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	8	0.29
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	8	0.29
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	5	0.29
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	10	0.29
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	13	0.29
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	16	0.29
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	17	0.29
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	20	0.29
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	15	0.29
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	15	0.29
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	15	0.29
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	5	0.29
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	5	0.29
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	5	0.29
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	9	0.29
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	9	0.29
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	9	0.29
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	11	0.29
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	11	0.29
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	11	0.29
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	8	0.29
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	12	0.29
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	14	0.29
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	16	0.29
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	18	0.29
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	2	0.29
(1,1100)	1:369:A:VAL:HB	1:370:A:SER:H	20	0.29
(1,1074)	1:340:A:MET:HG2	1:341:A:GLU:H	8	0.29
(1,1074)	1:340:A:MET:HG2	1:341:A:GLU:H	19	0.29
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	8	0.29
(1,1001)	1:358:A:LYS:HB3	1:358:A:LYS:HD3	18	0.29
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	3	0.29
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	3	0.29
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	3	0.29
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	8	0.29
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	8	0.29
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	8	0.29
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	10	0.29
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	10	0.29
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	10	0.29
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	18	0.29
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	18	0.29
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	18	0.29
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	20	0.29
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	20	0.29
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	20	0.29
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	10	0.29
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	19	0.29
(1,951)	1:402:A:PRO:HG3	1:401:A:THR:HA	17	0.29
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	7	0.29
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	2	0.29
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	6	0.29
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	7	0.29
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	11	0.29
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	5	0.29
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	3	0.29
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	8	0.29
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	20	0.29
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	7	0.29
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	11	0.29
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	1	0.29
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	4	0.29
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	3	0.29
(1,747)	1:372:A:LYS:HE2	1:372:A:LYS:HB2	2	0.29
(1,743)	1:389:A:GLU:HG3	1:389:A:GLU:H	16	0.29
(1,743)	1:389:A:GLU:HG3	1:389:A:GLU:H	18	0.29
(1,736)	1:447:A:PRO:HA	1:448:A:SER:HA	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	12	0.29
(1,717)	1:375:A:THR:HA	1:376:A:PRO:HB3	16	0.29
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	1	0.29
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	5	0.29
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	6	0.29
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	14	0.29
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	15	0.29
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	17	0.29
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	18	0.29
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	1	0.29
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	1	0.29
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	1	0.29
(1,675)	1:430:A:GLY:HA2	1:429:A:TYR:H	7	0.29
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	1	0.29
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	1	0.29
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	1	0.29
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	2	0.29
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	2	0.29
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	2	0.29
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	4	0.29
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	4	0.29
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	4	0.29
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	5	0.29
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	5	0.29
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	5	0.29
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	7	0.29
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	7	0.29
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	7	0.29
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	8	0.29
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	8	0.29
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	8	0.29
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	9	0.29
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	9	0.29
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	9	0.29
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	10	0.29
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	10	0.29
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	10	0.29
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	11	0.29
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	11	0.29
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	11	0.29
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	12	0.29
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	12	0.29
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	15	0.29
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	15	0.29
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	15	0.29
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	16	0.29
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	16	0.29
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	16	0.29
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	17	0.29
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	17	0.29
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	17	0.29
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	18	0.29
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	18	0.29
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	18	0.29
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	19	0.29
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	19	0.29
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	19	0.29
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	8	0.29
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	8	0.29
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	8	0.29
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	15	0.29
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	15	0.29
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	15	0.29
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	4	0.29
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	16	0.29
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	19	0.29
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	18	0.29
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	1	0.29
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	2	0.29
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	3	0.29
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	4	0.29
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	5	0.29
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	7	0.29
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	8	0.29
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	9	0.29
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	10	0.29
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	13	0.29
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	15	0.29
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	16	0.29
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	19	0.29
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	20	0.29
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	3	0.29
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	14	0.29
(1,504)	1:428:A:GLU:HA	1:427:A:PRO:HB2	9	0.29
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	8	0.29
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	1	0.29
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	3	0.29
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	16	0.29
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	11	0.29
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	2	0.29
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	9	0.29
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	7	0.29
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	14	0.29
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD1	17	0.29
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD2	17	0.29
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD1	17	0.29
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD2	17	0.29
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD1	17	0.29
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD2	17	0.29
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	1	0.29
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	1	0.29
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	1	0.29
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	20	0.29
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	20	0.29
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	20	0.29
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	13	0.29
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	16	0.29
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	14	0.29
(1,252)	1:397:A:ASN:HA	1:396:A:THR:H	12	0.29
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	6	0.29
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	6	0.29
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	6	0.29
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	6	0.29
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	6	0.29
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	6	0.29
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	17	0.29
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	2	0.29
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	3	0.29
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	4	0.29
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	5	0.29
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	8	0.29
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	9	0.29
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	11	0.29
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	17	0.29
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	19	0.29
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	20	0.29
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	5	0.29
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	13	0.29
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	19	0.29
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	10	0.29
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	10	0.29
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	10	0.29
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	2	0.29
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	6	0.29
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	7	0.29
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	1	0.29
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	14	0.29
(1,90)	1:340:A:MET:HE1	1:340:A:MET:HG2	2	0.29
(1,90)	1:340:A:MET:HE2	1:340:A:MET:HG2	2	0.29
(1,90)	1:340:A:MET:HE3	1:340:A:MET:HG2	2	0.29
(1,90)	1:340:A:MET:HE1	1:340:A:MET:HG2	7	0.29
(1,90)	1:340:A:MET:HE2	1:340:A:MET:HG2	7	0.29
(1,90)	1:340:A:MET:HE3	1:340:A:MET:HG2	7	0.29
(1,90)	1:340:A:MET:HE1	1:340:A:MET:HG2	9	0.29
(1,90)	1:340:A:MET:HE2	1:340:A:MET:HG2	9	0.29
(1,90)	1:340:A:MET:HE3	1:340:A:MET:HG2	9	0.29
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	2	0.29
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	2	0.29
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	2	0.29
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	3	0.29
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	3	0.29
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	3	0.29
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	4	0.29
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	4	0.29
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	4	0.29
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	5	0.29
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	5	0.29
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	5	0.29
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	6	0.29
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	6	0.29
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	6	0.29
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	7	0.29
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	7	0.29
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	7	0.29
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	8	0.29
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	8	0.29
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	10	0.29
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	10	0.29
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	10	0.29
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	11	0.29
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	11	0.29
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	11	0.29
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	12	0.29
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	12	0.29
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	12	0.29
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	13	0.29
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	13	0.29
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	13	0.29
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	15	0.29
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	15	0.29
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	15	0.29
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	16	0.29
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	16	0.29
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	16	0.29
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	17	0.29
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	17	0.29
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	17	0.29
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	19	0.29
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	19	0.29
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	19	0.29
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	20	0.29
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	20	0.29
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	20	0.29
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	3	0.29
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	7	0.29
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	8	0.29
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	9	0.29
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	12	0.29
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	14	0.29
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	6	0.29
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	6	0.29
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	6	0.29
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	6	0.29
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	6	0.29
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	6	0.29
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	6	0.29
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	6	0.29
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	5	0.28
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	10	0.28
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	15	0.28
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	16	0.28
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	2	0.28
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	2	0.28
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	2	0.28
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	12	0.28
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	16	0.28
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	13	0.28
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	20	0.28
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	11	0.28
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	20	0.28
(1,4892)	1:434:A:TRP:HE1	1:432:A:ASP:HA	20	0.28
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	17	0.28
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	18	0.28
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	20	0.28
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	3	0.28
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	2	0.28
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	5	0.28
(1,4818)	1:466:A:PHE:H	1:465:A:VAL:HA	11	0.28
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	7	0.28
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	11	0.28
(1,4743)	1:397:A:ASN:H	1:396:A:THR:HA	20	0.28
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	16	0.28
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	19	0.28
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	8	0.28
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	19	0.28
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	20	0.28
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	11	0.28
(1,4695)	1:401:A:THR:H	1:399:A:ASP:HB3	14	0.28
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	12	0.28
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	18	0.28
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	15	0.28
(1,4650)	1:347:A:VAL:H	1:347:A:VAL:HA	16	0.28
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	3	0.28
(1,4598)	1:397:A:ASN:HD22	1:403:A:TYR:HB2	1	0.28
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	2	0.28
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	6	0.28
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4563)	1:408:A:ASN:H	1:407:A:VAL:HG21	6	0.28
(1,4563)	1:408:A:ASN:H	1:407:A:VAL:HG22	6	0.28
(1,4563)	1:408:A:ASN:H	1:407:A:VAL:HG23	6	0.28
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	15	0.28
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	1	0.28
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	14	0.28
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	18	0.28
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	12	0.28
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	16	0.28
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	13	0.28
(1,4447)	1:387:A:LYS:H	1:459:A:LYS:HG2	7	0.28
(1,4427)	1:466:A:PHE:H	1:349:A:LEU:H	15	0.28
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	2	0.28
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	6	0.28
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	20	0.28
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	14	0.28
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	4	0.28
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	7	0.28
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	8	0.28
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	11	0.28
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	18	0.28
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	6	0.28
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	13	0.28
(1,4339)	1:372:A:LYS:H	1:372:A:LYS:HG2	3	0.28
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	20	0.28
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	11	0.28
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	14	0.28
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	1	0.28
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	2	0.28
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	4	0.28
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	5	0.28
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	7	0.28
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	14	0.28
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	15	0.28
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	16	0.28
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	17	0.28
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	18	0.28
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	19	0.28
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	20	0.28
(1,4250)	1:408:A:ASN:H	1:408:A:ASN:HB2	4	0.28
(1,4250)	1:408:A:ASN:H	1:408:A:ASN:HB2	12	0.28
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	1	0.28
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	1	0.28
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	1	0.28
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	7	0.28
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	7	0.28
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	7	0.28
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	20	0.28
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	20	0.28
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	20	0.28
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	12	0.28
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	3	0.28
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	5	0.28
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	16	0.28
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	19	0.28
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	6	0.28
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	20	0.28
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	17	0.28
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	1	0.28
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	8	0.28
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	15	0.28
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	20	0.28
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	14	0.28
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	8	0.28
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	2	0.28
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	2	0.28
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	15	0.28
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	13	0.28
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	13	0.28
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	17	0.28
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	17	0.28
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	5	0.28
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	5	0.28
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	5	0.28
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	18	0.28
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	18	0.28
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	18	0.28
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	18	0.28
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	18	0.28
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	18	0.28
(1,3825)	1:425:A:TRP:HZ3	1:406:A:PRO:HG3	4	0.28
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	15	0.28
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	15	0.28
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	15	0.28
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	15	0.28
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	15	0.28
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	6	0.28
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	6	0.28
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	7	0.28
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	7	0.28
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	9	0.28
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	9	0.28
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	10	0.28
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	10	0.28
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	17	0.28
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	17	0.28
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	19	0.28
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	19	0.28
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	20	0.28
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	20	0.28
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	1	0.28
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	1	0.28
(1,3762)	1:383:A:TYR:HE1	1:383:A:TYR:HB3	14	0.28
(1,3762)	1:383:A:TYR:HE2	1:383:A:TYR:HB3	14	0.28
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	11	0.28
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	13	0.28
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	19	0.28
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	11	0.28
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	11	0.28
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	15	0.28
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	15	0.28
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	16	0.28
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	16	0.28
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	20	0.28
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	20	0.28
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	3	0.28
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	8	0.28
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	10	0.28
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	12	0.28
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	13	0.28
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	16	0.28
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	3	0.28
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	7	0.28
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	7	0.28
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	10	0.28
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	10	0.28
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	17	0.28
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	17	0.28
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	2	0.28
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	2	0.28
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	2	0.28
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	2	0.28
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	2	0.28
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	2	0.28
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	1	0.28
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	1	0.28
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	7	0.28
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	7	0.28
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	18	0.28
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	18	0.28
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	10	0.28
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	10	0.28
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	12	0.28
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	12	0.28
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	19	0.28
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	19	0.28
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	19	0.28
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	1	0.28
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	1	0.28
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	1	0.28
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	3	0.28
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	3	0.28
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	3	0.28
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	13	0.28
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	13	0.28
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	13	0.28
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	11	0.28
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	13	0.28
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	4	0.28
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	6	0.28
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	10	0.28
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	12	0.28
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	18	0.28
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	19	0.28
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	1	0.28
(1,3461)	1:352:A:GLN:HA	1:352:A:GLN:H	8	0.28
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	3	0.28
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	9	0.28
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	9	0.28
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	12	0.28
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	12	0.28
(1,3346)	1:387:A:LYS:HB3	1:388:A:GLU:H	1	0.28
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	14	0.28
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	20	0.28
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	9	0.28
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	9	0.28
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	9	0.28
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	11	0.28
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	11	0.28
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	11	0.28
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	17	0.28
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	17	0.28
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	17	0.28
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	15	0.28
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	20	0.28
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	1	0.28
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	4	0.28
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	6	0.28
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	9	0.28
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	11	0.28
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	14	0.28
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	17	0.28
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	18	0.28
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	20	0.28
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	1	0.28
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	1	0.28
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	1	0.28
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	6	0.28
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	14	0.28
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	16	0.28
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	17	0.28
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	5	0.28
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	13	0.28
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	1	0.28
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	4	0.28
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	7	0.28
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	15	0.28
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	15	0.28
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	15	0.28
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	15	0.28
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	18	0.28
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	5	0.28
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	16	0.28
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	17	0.28
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	18	0.28
(1,2997)	1:387:A:LYS:HD2	1:387:A:LYS:H	10	0.28
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	3	0.28
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	2	0.28
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	12	0.28
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	7	0.28
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	13	0.28
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	1	0.28
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	6	0.28
(1,2917)	1:367:A:ASP:HB3	1:367:A:ASP:H	2	0.28
(1,2909)	1:451:A:LYS:HG2	1:451:A:LYS:HB3	17	0.28
(1,2893)	1:399:A:ASP:HB2	1:400:A:GLY:H	11	0.28
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	14	0.28
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	14	0.28
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	14	0.28
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	19	0.28
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	19	0.28
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	19	0.28
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	1	0.28
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	17	0.28
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	1	0.28
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	5	0.28
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD1	18	0.28
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD2	18	0.28
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD1	18	0.28
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD2	18	0.28
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD1	18	0.28
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD2	18	0.28
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	3	0.28
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	8	0.28
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	3	0.28
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	4	0.28
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	18	0.28
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	2	0.28
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	4	0.28
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	5	0.28
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	7	0.28
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	8	0.28
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	9	0.28
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	10	0.28
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	11	0.28
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	13	0.28
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	14	0.28
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	15	0.28
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	17	0.28
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	18	0.28
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	19	0.28
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	20	0.28
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	1	0.28
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	18	0.28
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	19	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	3	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	3	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	3	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	10	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	10	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	10	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	13	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	13	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	13	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	14	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	14	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	14	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	16	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	16	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	16	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	18	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	18	0.28
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	18	0.28
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	3	0.28
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG11	2	0.28
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG12	2	0.28
(1,2555)	1:411:A:MET:HE1	1:463:A:VAL:HG13	2	0.28
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG11	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG12	2	0.28
(1,2555)	1:411:A:MET:HE2	1:463:A:VAL:HG13	2	0.28
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG11	2	0.28
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG12	2	0.28
(1,2555)	1:411:A:MET:HE3	1:463:A:VAL:HG13	2	0.28
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	6	0.28
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	16	0.28
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	10	0.28
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	10	0.28
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	10	0.28
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	10	0.28
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	10	0.28
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	10	0.28
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	10	0.28
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	10	0.28
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	10	0.28
(1,2531)	1:399:A:ASP:HB3	1:400:A:GLY:H	6	0.28
(1,2531)	1:399:A:ASP:HB3	1:400:A:GLY:H	11	0.28
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	2	0.28
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	6	0.28
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	15	0.28
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	3	0.28
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	9	0.28
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	11	0.28
(1,2480)	1:441:A:GLY:HA3	1:441:A:GLY:H	17	0.28
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	16	0.28
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	17	0.28
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	18	0.28
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	3	0.28
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	1	0.28
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	6	0.28
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	11	0.28
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	15	0.28
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	18	0.28
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	1	0.28
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	3	0.28
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	4	0.28
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	5	0.28
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	7	0.28
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	12	0.28
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	13	0.28
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	7	0.28
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	7	0.28
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	7	0.28
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	14	0.28
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	14	0.28
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	14	0.28
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	16	0.28
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	16	0.28
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	16	0.28
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	13	0.28
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	13	0.28
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	13	0.28
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	16	0.28
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	16	0.28
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	16	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	1	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	1	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	1	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	2	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	2	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	2	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	3	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	3	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	3	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	4	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	4	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	4	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	5	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	5	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	5	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	6	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	6	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	6	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	7	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	7	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	7	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	8	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	8	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	8	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	9	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	9	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	10	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	10	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	10	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	11	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	11	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	11	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	12	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	12	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	12	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	13	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	13	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	13	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	14	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	14	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	14	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	15	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	15	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	15	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	16	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	16	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	16	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	17	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	17	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	17	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	18	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	18	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	18	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	19	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	19	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	19	0.28
(1,2216)	1:384:A:VAL:HG21	1:384:A:VAL:HB	20	0.28
(1,2216)	1:384:A:VAL:HG22	1:384:A:VAL:HB	20	0.28
(1,2216)	1:384:A:VAL:HG23	1:384:A:VAL:HB	20	0.28
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	4	0.28
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	7	0.28
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	3	0.28
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	3	0.28
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	3	0.28
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	3	0.28
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	3	0.28
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	3	0.28
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	3	0.28
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	3	0.28
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	12	0.28
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	12	0.28
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	12	0.28
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	12	0.28
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	12	0.28
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	12	0.28
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	12	0.28
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	12	0.28
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	12	0.28
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	17	0.28
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	17	0.28
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	17	0.28
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	17	0.28
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	17	0.28
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	17	0.28
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	17	0.28
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	17	0.28
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	17	0.28
(1,2177)	1:367:A:ASP:HB2	1:368:A:ILE:H	15	0.28
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	3	0.28
(1,2168)	1:368:A:ILE:HA	1:367:A:ASP:HB3	2	0.28
(1,2168)	1:368:A:ILE:HA	1:367:A:ASP:HB3	6	0.28
(1,2168)	1:368:A:ILE:HA	1:367:A:ASP:HB3	10	0.28
(1,2168)	1:368:A:ILE:HA	1:367:A:ASP:HB3	12	0.28
(1,2168)	1:368:A:ILE:HA	1:367:A:ASP:HB3	17	0.28
(1,2168)	1:368:A:ILE:HA	1:367:A:ASP:HB3	18	0.28
(1,2168)	1:368:A:ILE:HA	1:367:A:ASP:HB3	19	0.28
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	5	0.28
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	13	0.28
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	5	0.28
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	19	0.28
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	20	0.28
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	3	0.28
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	3	0.28
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	3	0.28
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	3	0.28
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	4	0.28
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	9	0.28
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	10	0.28
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	13	0.28
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	14	0.28
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	15	0.28
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	16	0.28
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	1	0.28
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	1	0.28
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	1	0.28
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	2	0.28
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	2	0.28
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	2	0.28
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	2	0.28
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	2	0.28
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	2	0.28
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	2	0.28
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	2	0.28
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	2	0.28
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	5	0.28
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	9	0.28
(1,1864)	1:361:A:LYS:HE2	1:361:A:LYS:HG3	16	0.28
(1,1864)	1:361:A:LYS:HE2	1:361:A:LYS:HG3	17	0.28
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	2	0.28
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	7	0.28
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	13	0.28
(1,1816)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	12	0.28
(1,1816)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	17	0.28
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	16	0.28
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	18	0.28
(1,1790)	1:387:A:LYS:HE3	1:387:A:LYS:HB3	8	0.28
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	1	0.28
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	4	0.28
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	6	0.28
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	9	0.28
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	11	0.28
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	14	0.28
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	17	0.28
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	18	0.28
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	20	0.28
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	8	0.28
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	13	0.28
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	14	0.28
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	18	0.28
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	8	0.28
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	8	0.28
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	8	0.28
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	8	0.28
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	8	0.28
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	16	0.28
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	14	0.28
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	19	0.28
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	8	0.28
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	11	0.28
(1,1686)	1:359:A:ASP:HB2	1:359:A:ASP:H	14	0.28
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	3	0.28
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	3	0.28
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	3	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	1	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	1	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	1	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	3	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	3	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	3	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	6	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	6	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	6	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	7	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	7	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	7	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	12	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	12	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	12	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	15	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	15	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	15	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	17	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	17	0.28
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	17	0.28
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	1	0.28
(1,1649)	1:414:A:ASP:HB2	1:414:A:ASP:H	11	0.28
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	1	0.28
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	16	0.28
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	13	0.28
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	13	0.28
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	8	0.28
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	11	0.28
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	15	0.28
(1,1488)	1:372:A:LYS:HB3	1:373:A:PRO:HD2	13	0.28
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	19	0.28
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	19	0.28
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	19	0.28
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	10	0.28
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	16	0.28
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	20	0.28
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	6	0.28
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	6	0.28
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	6	0.28
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	7	0.28
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	7	0.28
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	7	0.28
(1,1445)	1:463:A:VAL:HG21	1:345:A:ILE:H	14	0.28
(1,1445)	1:463:A:VAL:HG22	1:345:A:ILE:H	14	0.28
(1,1445)	1:463:A:VAL:HG23	1:345:A:ILE:H	14	0.28
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	6	0.28
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	15	0.28
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	20	0.28
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	7	0.28
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	7	0.28
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	7	0.28
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	19	0.28
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	19	0.28
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	19	0.28
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	20	0.28
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	20	0.28
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	20	0.28
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	2	0.28
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	4	0.28
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	5	0.28
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	7	0.28
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	13	0.28
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	14	0.28
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	17	0.28
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	18	0.28
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	19	0.28
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	20	0.28
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	11	0.28
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	1	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	1	0.28
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	1	0.28
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	2	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	2	0.28
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	2	0.28
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	3	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	3	0.28
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	3	0.28
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	4	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	4	0.28
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	4	0.28
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	6	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	6	0.28
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	6	0.28
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	7	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	7	0.28
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	7	0.28
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	8	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	8	0.28
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	8	0.28
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	10	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	10	0.28
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	10	0.28
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	12	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	12	0.28
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	12	0.28
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	13	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	13	0.28
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	13	0.28
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	14	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	14	0.28
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	14	0.28
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	15	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	15	0.28
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	15	0.28
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	16	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	16	0.28
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	16	0.28
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	17	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	17	0.28
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	18	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	18	0.28
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	18	0.28
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	19	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	19	0.28
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	19	0.28
(1,1269)	1:343:A:THR:HG21	1:343:A:THR:HB	20	0.28
(1,1269)	1:343:A:THR:HG22	1:343:A:THR:HB	20	0.28
(1,1269)	1:343:A:THR:HG23	1:343:A:THR:HB	20	0.28
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	1	0.28
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	2	0.28
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	4	0.28
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	6	0.28
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	10	0.28
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	11	0.28
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	13	0.28
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	15	0.28
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	17	0.28
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	19	0.28
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	20	0.28
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	1	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	1	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	1	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	1	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	2	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	2	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	2	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	3	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	3	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	3	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	4	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	4	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	4	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	5	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	5	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	5	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	6	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	6	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	6	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	7	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	7	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	8	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	8	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	8	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	9	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	9	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	9	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	10	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	10	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	10	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	11	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	11	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	11	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	12	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	12	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	12	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	13	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	13	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	13	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	14	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	14	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	14	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	15	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	15	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	15	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	16	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	16	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	16	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	17	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	17	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	17	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	18	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	18	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	18	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	19	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	19	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	19	0.28
(1,1168)	1:457:A:VAL:HG21	1:457:A:VAL:HB	20	0.28
(1,1168)	1:457:A:VAL:HG22	1:457:A:VAL:HB	20	0.28
(1,1168)	1:457:A:VAL:HG23	1:457:A:VAL:HB	20	0.28
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	2	0.28
(1,1131)	1:415:A:TRP:HA	1:415:A:TRP:HB3	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:340:A:MET:HG2	1:341:A:GLU:H	18	0.28
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	12	0.28
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	14	0.28
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	14	0.28
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	14	0.28
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	19	0.28
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	19	0.28
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	19	0.28
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	16	0.28
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	1	0.28
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	1	0.28
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	1	0.28
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	4	0.28
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	4	0.28
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	4	0.28
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	12	0.28
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	12	0.28
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	12	0.28
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	15	0.28
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	15	0.28
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	15	0.28
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	19	0.28
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	19	0.28
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	19	0.28
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	1	0.28
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	4	0.28
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	8	0.28
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	9	0.28
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	11	0.28
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	12	0.28
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	13	0.28
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	14	0.28
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	15	0.28
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	17	0.28
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	18	0.28
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	20	0.28
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	4	0.28
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	4	0.28
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	4	0.28
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	5	0.28
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	8	0.28
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	1	0.28
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	2	0.28
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	3	0.28
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	4	0.28
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	6	0.28
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	8	0.28
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	9	0.28
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	10	0.28
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	11	0.28
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	13	0.28
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	14	0.28
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	17	0.28
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	3	0.28
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	3	0.28
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	3	0.28
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	7	0.28
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	17	0.28
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	13	0.28
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	15	0.28
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	1	0.28
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	8	0.28
(1,810)	1:372:A:LYS:HE3	1:372:A:LYS:HD2	8	0.28
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	2	0.28
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	4	0.28
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	8	0.28
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	8	0.28
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	8	0.28
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	8	0.28
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	8	0.28
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	8	0.28
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	8	0.28
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	8	0.28
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	8	0.28
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	9	0.28
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	9	0.28
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	9	0.28
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	9	0.28
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	9	0.28
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	9	0.28
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	9	0.28
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	9	0.28
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	14	0.28
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	14	0.28
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	14	0.28
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	14	0.28
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	14	0.28
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	14	0.28
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	14	0.28
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	14	0.28
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	14	0.28
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	18	0.28
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	18	0.28
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	18	0.28
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	18	0.28
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	18	0.28
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	18	0.28
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	18	0.28
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	18	0.28
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	18	0.28
(1,743)	1:389:A:GLU:HG3	1:389:A:GLU:H	3	0.28
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	7	0.28
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	8	0.28
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	12	0.28
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	19	0.28
(1,715)	1:414:A:ASP:HB3	1:414:A:ASP:HA	20	0.28
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	1	0.28
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	2	0.28
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	3	0.28
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	4	0.28
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	8	0.28
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	9	0.28
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	10	0.28
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	11	0.28
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	13	0.28
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	14	0.28
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	15	0.28
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	16	0.28
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	17	0.28
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	19	0.28
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	20	0.28
(1,688)	1:390:A:ASP:HA	1:389:A:GLU:HB3	5	0.28
(1,688)	1:390:A:ASP:HA	1:389:A:GLU:HB3	9	0.28
(1,688)	1:390:A:ASP:HA	1:389:A:GLU:HB3	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	6	0.28
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	20	0.28
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	3	0.28
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	3	0.28
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	3	0.28
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	6	0.28
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	6	0.28
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	6	0.28
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	13	0.28
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	13	0.28
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	13	0.28
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	14	0.28
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	14	0.28
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	14	0.28
(1,641)	1:368:A:ILE:HD11	1:368:A:ILE:HG12	20	0.28
(1,641)	1:368:A:ILE:HD12	1:368:A:ILE:HG12	20	0.28
(1,641)	1:368:A:ILE:HD13	1:368:A:ILE:HG12	20	0.28
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	17	0.28
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	17	0.28
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	17	0.28
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	1	0.28
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	1	0.28
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	1	0.28
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	16	0.28
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	16	0.28
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	16	0.28
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	17	0.28
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	17	0.28
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	17	0.28
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	6	0.28
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	16	0.28
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	19	0.28
(1,561)	1:372:A:LYS:HG2	1:372:A:LYS:HA	6	0.28
(1,550)	1:463:A:VAL:HG11	1:463:A:VAL:HA	2	0.28
(1,550)	1:463:A:VAL:HG12	1:463:A:VAL:HA	2	0.28
(1,550)	1:463:A:VAL:HG13	1:463:A:VAL:HA	2	0.28
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	12	0.28
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	18	0.28
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	15	0.28
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	1	0.28
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	2	0.28
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	4	0.28
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	7	0.28
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	8	0.28
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	9	0.28
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	10	0.28
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	11	0.28
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	16	0.28
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	17	0.28
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	19	0.28
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	12	0.28
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	13	0.28
(1,510)	1:372:A:LYS:HD3	1:372:A:LYS:HG2	18	0.28
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	2	0.28
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	7	0.28
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	13	0.28
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	2	0.28
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	4	0.28
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	5	0.28
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	7	0.28
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	8	0.28
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	9	0.28
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	10	0.28
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	11	0.28
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	13	0.28
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	14	0.28
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	15	0.28
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	17	0.28
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	18	0.28
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	19	0.28
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	20	0.28
(1,465)	1:451:A:LYS:HE3	1:451:A:LYS:HA	17	0.28
(1,456)	1:463:A:VAL:HG21	1:463:A:VAL:HA	5	0.28
(1,456)	1:463:A:VAL:HG22	1:463:A:VAL:HA	5	0.28
(1,456)	1:463:A:VAL:HG23	1:463:A:VAL:HA	5	0.28
(1,456)	1:463:A:VAL:HG21	1:463:A:VAL:HA	9	0.28
(1,456)	1:463:A:VAL:HG22	1:463:A:VAL:HA	9	0.28
(1,456)	1:463:A:VAL:HG23	1:463:A:VAL:HA	9	0.28
(1,456)	1:463:A:VAL:HG21	1:463:A:VAL:HA	11	0.28
(1,456)	1:463:A:VAL:HG22	1:463:A:VAL:HA	11	0.28
(1,456)	1:463:A:VAL:HG23	1:463:A:VAL:HA	11	0.28
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	1	0.28
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	4	0.28
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	5	0.28
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	9	0.28
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	13	0.28
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	14	0.28
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	15	0.28
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	17	0.28
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	18	0.28
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	19	0.28
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	3	0.28
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	8	0.28
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	11	0.28
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	1	0.28
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	8	0.28
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	17	0.28
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	6	0.28
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	8	0.28
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	15	0.28
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	19	0.28
(1,407)	1:342:A:ASP:HB3	1:342:A:ASP:HA	12	0.28
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	13	0.28
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	13	0.28
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	13	0.28
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	16	0.28
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	16	0.28
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	16	0.28
(1,306)	1:342:A:ASP:HB2	1:343:A:THR:HB	12	0.28
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	12	0.28
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	14	0.28
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	18	0.28
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	18	0.28
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	7	0.28
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	8	0.28
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	9	0.28
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	16	0.28
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	18	0.28
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	7	0.28
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	10	0.28
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	12	0.28
(1,139)	1:368:A:ILE:HG13	1:368:A:ILE:HB	13	0.28
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	6	0.28
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	15	0.28
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	18	0.28
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	11	0.28
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	13	0.28
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	17	0.28
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	20	0.28
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	9	0.28
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	9	0.28
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	9	0.28
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	14	0.28
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	14	0.28
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	14	0.28
(1,63)	1:377:A:THR:HG21	1:377:A:THR:HB	18	0.28
(1,63)	1:377:A:THR:HG22	1:377:A:THR:HB	18	0.28
(1,63)	1:377:A:THR:HG23	1:377:A:THR:HB	18	0.28
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	2	0.28
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	6	0.28
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG11	6	0.28
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG12	6	0.28
(1,16)	1:456:A:MET:HB2	1:457:A:VAL:HG13	6	0.28
(1,4998)	1:350:A:GLU:H	1:349:A:LEU:HB2	15	0.27
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	1	0.27
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	7	0.27
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	8	0.27
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	9	0.27
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	17	0.27
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	19	0.27
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	20	0.27
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	5	0.27
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	5	0.27
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	5	0.27
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	12	0.27
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	12	0.27
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	12	0.27
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	18	0.27
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	18	0.27
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	18	0.27
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	4	0.27
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	6	0.27
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	13	0.27
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	18	0.27
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	19	0.27
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	16	0.27
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	16	0.27
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	19	0.27
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	4	0.27
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	14	0.27
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	6	0.27
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	11	0.27
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	13	0.27
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	15	0.27
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	4	0.27
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	4	0.27
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	4	0.27
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	16	0.27
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	20	0.27
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	3	0.27
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	18	0.27
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	1	0.27
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	11	0.27
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	2	0.27
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	4	0.27
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	7	0.27
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	8	0.27
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	9	0.27
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	10	0.27
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	14	0.27
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	15	0.27
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	16	0.27
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	12	0.27
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	5	0.27
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	10	0.27
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	16	0.27
(1,4598)	1:397:A:ASN:HD22	1:403:A:TYR:HB2	2	0.27
(1,4595)	1:399:A:ASP:H	1:400:A:GLY:H	12	0.27
(1,4563)	1:408:A:ASN:H	1:407:A:VAL:HG21	15	0.27
(1,4563)	1:408:A:ASN:H	1:407:A:VAL:HG22	15	0.27
(1,4563)	1:408:A:ASN:H	1:407:A:VAL:HG23	15	0.27
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	17	0.27
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	15	0.27
(1,4501)	1:391:A:ALA:H	1:389:A:GLU:HB3	9	0.27
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	6	0.27
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	19	0.27
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	2	0.27
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	3	0.27
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	5	0.27
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	19	0.27
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	9	0.27
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	1	0.27
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	5	0.27
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	14	0.27
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	15	0.27
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	1	0.27
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	3	0.27
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	9	0.27
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	12	0.27
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	20	0.27
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	10	0.27
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	7	0.27
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	8	0.27
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	9	0.27
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	13	0.27
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	10	0.27
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	14	0.27
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	7	0.27
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	15	0.27
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	2	0.27
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	3	0.27
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	6	0.27
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	8	0.27
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	10	0.27
(1,4267)	1:438:A:GLY:H	1:438:A:GLY:HA2	13	0.27
(1,4250)	1:408:A:ASN:H	1:408:A:ASN:HB2	14	0.27
(1,4250)	1:408:A:ASN:H	1:408:A:ASN:HB2	19	0.27
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	18	0.27
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	7	0.27
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	17	0.27
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	9	0.27
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE1	17	0.27
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE2	17	0.27
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	2	0.27
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	4	0.27
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	15	0.27
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	15	0.27
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	15	0.27
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	4	0.27
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	6	0.27
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	8	0.27
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	10	0.27
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	12	0.27
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	13	0.27
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	17	0.27
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	20	0.27
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	4	0.27
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	15	0.27
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	16	0.27
(1,4142)	1:404:A:GLU:H	1:394:A:LYS:HG2	3	0.27
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	3	0.27
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	5	0.27
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	15	0.27
(1,4096)	1:445:A:THR:H	1:445:A:THR:HB	10	0.27
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	3	0.27
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	3	0.27
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	3	0.27
(1,4067)	1:367:A:ASP:H	1:367:A:ASP:HB2	8	0.27
(1,4067)	1:367:A:ASP:H	1:367:A:ASP:HB2	11	0.27
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	9	0.27
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	5	0.27
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	5	0.27
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	7	0.27
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	7	0.27
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	10	0.27
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	10	0.27
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	11	0.27
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	11	0.27
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	14	0.27
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	14	0.27
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	5	0.27
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	5	0.27
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	7	0.27
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	7	0.27
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	20	0.27
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	20	0.27
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	20	0.27
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	20	0.27
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	20	0.27
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	3	0.27
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	10	0.27
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	10	0.27
(1,3774)	1:383:A:TYR:HE1	1:383:A:TYR:HB2	13	0.27
(1,3774)	1:383:A:TYR:HE2	1:383:A:TYR:HB2	13	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	1	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	2	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	3	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	4	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	5	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	6	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	7	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	8	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	9	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	10	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	11	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	12	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	13	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	14	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	15	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	16	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	17	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	18	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	19	0.27
(1,3756)	1:355:A:TRP:HZ3	1:355:A:TRP:HE3	20	0.27
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	10	0.27
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	10	0.27
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	6	0.27
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	11	0.27
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	14	0.27
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	20	0.27
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	1	0.27
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	2	0.27
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	14	0.27
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	5	0.27
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	5	0.27
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	12	0.27
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	12	0.27
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	12	0.27
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	17	0.27
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	4	0.27
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	11	0.27
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	11	0.27
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	11	0.27
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	15	0.27
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	20	0.27
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	10	0.27
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	3	0.27
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	7	0.27
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	15	0.27
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	5	0.27
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	1	0.27
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	13	0.27
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	14	0.27
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	15	0.27
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	17	0.27
(1,3455)	1:459:A:LYS:HE3	1:459:A:LYS:HD2	14	0.27
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	4	0.27
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	4	0.27
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	10	0.27
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	5	0.27
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	8	0.27
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	18	0.27
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	9	0.27
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	12	0.27
(1,3299)	1:340:A:MET:HB3	1:341:A:GLU:HA	11	0.27
(1,3299)	1:340:A:MET:HB3	1:341:A:GLU:HA	16	0.27
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	4	0.27
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	4	0.27
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	4	0.27
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	2	0.27
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	6	0.27
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	9	0.27
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	2	0.27
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	3	0.27
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	5	0.27
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	7	0.27
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	8	0.27
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	10	0.27
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	13	0.27
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	16	0.27
(1,3213)	1:364:A:LEU:HB2	1:364:A:LEU:HA	19	0.27
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	3	0.27
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	3	0.27
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	3	0.27
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	5	0.27
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	5	0.27
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	5	0.27
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	15	0.27
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	15	0.27
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	15	0.27
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	16	0.27
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	16	0.27
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	16	0.27
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	5	0.27
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	7	0.27
(1,3160)	1:357:A:TYR:HA	1:357:A:TYR:HB3	12	0.27
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	10	0.27
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	17	0.27
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	2	0.27
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	3	0.27
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	9	0.27
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	6	0.27
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	6	0.27
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	6	0.27
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	20	0.27
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	14	0.27
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	17	0.27
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	14	0.27
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	15	0.27
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	20	0.27
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	6	0.27
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	8	0.27
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	11	0.27
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	20	0.27
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	8	0.27
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	9	0.27
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	10	0.27
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	19	0.27
(1,2917)	1:367:A:ASP:HB3	1:367:A:ASP:H	3	0.27
(1,2917)	1:367:A:ASP:HB3	1:367:A:ASP:H	5	0.27
(1,2917)	1:367:A:ASP:HB3	1:367:A:ASP:H	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	4	0.27
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	4	0.27
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	4	0.27
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	4	0.27
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	7	0.27
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	7	0.27
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	7	0.27
(1,2860)	1:373:A:PRO:HD3	1:373:A:PRO:HG3	11	0.27
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	3	0.27
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	16	0.27
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	2	0.27
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	15	0.27
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	16	0.27
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	4	0.27
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	6	0.27
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	15	0.27
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	5	0.27
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	8	0.27
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	9	0.27
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	10	0.27
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	11	0.27
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	12	0.27
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	13	0.27
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	15	0.27
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	16	0.27
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	17	0.27
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	6	0.27
(1,2774)	1:406:A:PRO:HG2	1:406:A:PRO:HD2	12	0.27
(1,2772)	1:462:A:PRO:HD3	1:462:A:PRO:HG2	14	0.27
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	9	0.27
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	5	0.27
(1,2675)	1:347:A:VAL:HG11	1:348:A:ASP:H	18	0.27
(1,2675)	1:347:A:VAL:HG12	1:348:A:ASP:H	18	0.27
(1,2675)	1:347:A:VAL:HG13	1:348:A:ASP:H	18	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	1	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	1	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	1	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	5	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	5	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	5	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	6	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	6	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	7	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	7	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	7	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	8	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	8	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	8	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	12	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	12	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	12	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	15	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	15	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	15	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	19	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	19	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	19	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	20	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	20	0.27
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	20	0.27
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	10	0.27
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	10	0.27
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	10	0.27
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	17	0.27
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	1	0.27
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	9	0.27
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	3	0.27
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	9	0.27
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	14	0.27
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	14	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	1	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	1	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	1	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	1	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	1	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	1	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	1	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	1	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	1	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	2	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	2	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	2	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	2	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	2	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	2	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	2	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	2	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	4	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	4	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	4	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	4	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	4	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	4	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	4	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	4	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	4	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	7	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	7	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	7	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	7	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	7	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	7	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	7	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	7	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	7	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	9	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	9	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	9	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	9	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	9	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	9	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	9	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	9	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	9	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	14	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	14	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	14	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	14	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	14	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	14	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	14	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	14	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	14	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	16	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	16	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	16	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	16	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	16	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	16	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	16	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	16	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	17	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	17	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	17	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	17	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	17	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	17	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	17	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	17	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	17	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	19	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	19	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	19	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	19	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	19	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	19	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	19	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	19	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	19	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	20	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	20	0.27
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	20	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	20	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	20	0.27
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	20	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	20	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	20	0.27
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	20	0.27
(1,2528)	1:451:A:LYS:HD3	1:451:A:LYS:HG3	8	0.27
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	4	0.27
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	10	0.27
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	14	0.27
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	3	0.27
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	5	0.27
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	5	0.27
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	3	0.27
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	19	0.27
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	3	0.27
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	3	0.27
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	3	0.27
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	8	0.27
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	8	0.27
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	8	0.27
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	3	0.27
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	12	0.27
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	12	0.27
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	12	0.27
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	3	0.27
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	12	0.27
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	6	0.27
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	8	0.27
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	9	0.27
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	10	0.27
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	14	0.27
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	15	0.27
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	18	0.27
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	19	0.27
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	5	0.27
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	9	0.27
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	11	0.27
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	11	0.27
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	11	0.27
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	15	0.27
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	15	0.27
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	15	0.27
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	5	0.27
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	5	0.27
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	5	0.27
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	9	0.27
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	9	0.27
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	9	0.27
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	13	0.27
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	13	0.27
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	13	0.27
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	3	0.27
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	3	0.27
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	18	0.27
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	18	0.27
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	18	0.27
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	19	0.27
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	19	0.27
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	19	0.27
(1,2177)	1:367:A:ASP:HB2	1:368:A:ILE:H	5	0.27
(1,2177)	1:367:A:ASP:HB2	1:368:A:ILE:H	17	0.27
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	2	0.27
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	5	0.27
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	6	0.27
(1,2168)	1:368:A:ILE:HA	1:367:A:ASP:HB3	3	0.27
(1,2164)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	5	0.27
(1,2156)	1:460:A:GLY:HA3	1:459:A:LYS:HA	10	0.27
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	9	0.27
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	1	0.27
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	2	0.27
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	8	0.27
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	18	0.27
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	19	0.27
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	8	0.27
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	8	0.27
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	8	0.27
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	18	0.27
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	18	0.27
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	18	0.27
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	16	0.27
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	11	0.27
(1,1872)	1:451:A:LYS:HD2	1:451:A:LYS:HG2	8	0.27
(1,1864)	1:361:A:LYS:HE2	1:361:A:LYS:HG3	10	0.27
(1,1864)	1:361:A:LYS:HE2	1:361:A:LYS:HG3	20	0.27
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	15	0.27
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	17	0.27
(1,1816)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	1	0.27
(1,1816)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	2	0.27
(1,1816)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	4	0.27
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	2	0.27
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	3	0.27
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	4	0.27
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	7	0.27
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	13	0.27
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	14	0.27
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	17	0.27
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	2	0.27
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	3	0.27
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	5	0.27
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	7	0.27
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	8	0.27
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	10	0.27
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	13	0.27
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	15	0.27
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	16	0.27
(1,1776)	1:364:A:LEU:HA	1:364:A:LEU:HB2	19	0.27
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	14	0.27
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	1	0.27
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	11	0.27
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	20	0.27
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	14	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	1	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	3	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	4	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	5	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	6	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	7	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	8	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	9	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	10	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	11	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	12	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	13	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	14	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	15	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	16	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	17	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	18	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	19	0.27
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	20	0.27
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	8	0.27
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	8	0.27
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	8	0.27
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	10	0.27
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	10	0.27
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG11	19	0.27
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG12	19	0.27
(1,1666)	1:463:A:VAL:HA	1:463:A:VAL:HG13	19	0.27
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	3	0.27
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	14	0.27
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	3	0.27
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	11	0.27
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	7	0.27
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	15	0.27
(1,1609)	1:396:A:THR:HB	1:395:A:GLY:HA3	20	0.27
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	14	0.27
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	6	0.27
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	6	0.27
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	6	0.27
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	6	0.27
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	6	0.27
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	6	0.27
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	6	0.27
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	6	0.27
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	6	0.27
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	16	0.27
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	16	0.27
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	16	0.27
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	16	0.27
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	16	0.27
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	16	0.27
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	16	0.27
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	16	0.27
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	16	0.27
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	4	0.27
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	4	0.27
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	4	0.27
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	9	0.27
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	9	0.27
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	9	0.27
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	10	0.27
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	10	0.27
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	10	0.27
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	14	0.27
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	14	0.27
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	18	0.27
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	18	0.27
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	18	0.27
(1,1527)	1:447:A:PRO:HD2	1:446:A:PRO:HA	3	0.27
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	10	0.27
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	10	0.27
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	10	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	1	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	1	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	1	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	3	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	3	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	3	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	6	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	6	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	6	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	7	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	7	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	7	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	8	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	8	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	8	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	10	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	10	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	10	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	11	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	11	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	11	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	12	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	12	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	12	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	13	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	13	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	13	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	14	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	14	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	14	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	15	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	15	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	15	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	17	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	17	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	18	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	18	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	18	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	19	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	19	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	19	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	20	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	20	0.27
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	20	0.27
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	1	0.27
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	9	0.27
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	11	0.27
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	14	0.27
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	15	0.27
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	17	0.27
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	18	0.27
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	2	0.27
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	2	0.27
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	2	0.27
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	4	0.27
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	4	0.27
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	4	0.27
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	10	0.27
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	11	0.27
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	12	0.27
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	18	0.27
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	19	0.27
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	2	0.27
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	2	0.27
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	2	0.27
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	8	0.27
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	8	0.27
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	8	0.27
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	12	0.27
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	12	0.27
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	12	0.27
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	11	0.27
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	16	0.27
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	3	0.27
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	5	0.27
(1,1255)	1:387:A:LYS:HB2	1:387:A:LYS:HG2	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	14	0.27
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	14	0.27
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	14	0.27
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	17	0.27
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	17	0.27
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	17	0.27
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	18	0.27
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	18	0.27
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	18	0.27
(1,1187)	1:462:A:PRO:HG2	1:462:A:PRO:HD3	14	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	1	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	2	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	3	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	4	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	5	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	6	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	7	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	8	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	9	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	10	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	11	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	12	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	13	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	14	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	15	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	16	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	17	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	18	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	19	0.27
(1,1102)	1:420:A:ILE:HA	1:420:A:ILE:H	20	0.27
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	4	0.27
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	8	0.27
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	1	0.27
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	6	0.27
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	8	0.27
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	18	0.27
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	4	0.27
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	4	0.27
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	4	0.27
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	7	0.27
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	7	0.27
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	2	0.27
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	3	0.27
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	5	0.27
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	6	0.27
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	7	0.27
(1,974)	1:454:A:PHE:HA	1:454:A:PHE:H	16	0.27
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	15	0.27
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	15	0.27
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	15	0.27
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	15	0.27
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	15	0.27
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	15	0.27
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	15	0.27
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	15	0.27
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	15	0.27
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	11	0.27
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	14	0.27
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	18	0.27
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	8	0.27
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	8	0.27
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	8	0.27
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	8	0.27
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	7	0.27
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	12	0.27
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	15	0.27
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	16	0.27
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	18	0.27
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	19	0.27
(1,869)	1:348:A:ASP:HB3	1:348:A:ASP:HA	20	0.27
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	12	0.27
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	6	0.27
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	12	0.27
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	8	0.27
(1,743)	1:389:A:GLU:HG3	1:389:A:GLU:H	12	0.27
(1,743)	1:389:A:GLU:HG3	1:389:A:GLU:H	14	0.27
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	3	0.27
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	3	0.27
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	3	0.27
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	17	0.27
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	17	0.27
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	17	0.27
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	6	0.27
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	7	0.27
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	12	0.27
(1,705)	1:406:A:PRO:HG3	1:406:A:PRO:HD3	18	0.27
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	16	0.27
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	12	0.27
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	12	0.27
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	12	0.27
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	2	0.27
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	2	0.27
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	2	0.27
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	3	0.27
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	3	0.27
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	3	0.27
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	4	0.27
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	4	0.27
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	4	0.27
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	6	0.27
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	6	0.27
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	6	0.27
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	7	0.27
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	7	0.27
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	7	0.27
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	19	0.27
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	19	0.27
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	19	0.27
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	5	0.27
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	17	0.27
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	10	0.27
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	5	0.27
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	6	0.27
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	7	0.27
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	10	0.27
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	17	0.27
(1,550)	1:463:A:VAL:HG11	1:463:A:VAL:HA	5	0.27
(1,550)	1:463:A:VAL:HG12	1:463:A:VAL:HA	5	0.27
(1,550)	1:463:A:VAL:HG13	1:463:A:VAL:HA	5	0.27
(1,550)	1:463:A:VAL:HG11	1:463:A:VAL:HA	11	0.27
(1,550)	1:463:A:VAL:HG12	1:463:A:VAL:HA	11	0.27
(1,550)	1:463:A:VAL:HG13	1:463:A:VAL:HA	11	0.27
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	11	0.27
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	9	0.27
(1,510)	1:372:A:LYS:HD3	1:372:A:LYS:HG2	6	0.27
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	15	0.27
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	17	0.27
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	6	0.27
(1,476)	1:406:A:PRO:HD2	1:406:A:PRO:HG2	12	0.27
(1,456)	1:463:A:VAL:HG21	1:463:A:VAL:HA	2	0.27
(1,456)	1:463:A:VAL:HG22	1:463:A:VAL:HA	2	0.27
(1,456)	1:463:A:VAL:HG23	1:463:A:VAL:HA	2	0.27
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	3	0.27
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	6	0.27
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	7	0.27
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	8	0.27
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	10	0.27
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	12	0.27
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	16	0.27
(1,454)	1:440:A:HIS:HB2	1:440:A:HIS:HA	20	0.27
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	15	0.27
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	1	0.27
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	3	0.27
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	4	0.27
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	3	0.27
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	8	0.27
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	11	0.27
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	3	0.27
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	3	0.27
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	3	0.27
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	18	0.27
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	18	0.27
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	18	0.27
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	19	0.27
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	19	0.27
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	19	0.27
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	4	0.27
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	2	0.27
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	6	0.27
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	10	0.27
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	11	0.27
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	19	0.27
(1,167)	1:451:A:LYS:HE2	1:451:A:LYS:HB3	8	0.27
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	3	0.27
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	14	0.27
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	15	0.27
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	1	0.27
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	6	0.27
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	10	0.27
(1,87)	1:408:A:ASN:HB2	1:408:A:ASN:HA	13	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	2	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	2	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	2	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	3	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	3	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	3	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	4	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	4	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	4	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	9	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	9	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	9	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	10	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	10	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	10	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	11	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	11	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	11	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	13	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	13	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	13	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	16	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	16	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	16	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	17	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	17	0.27
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	17	0.27
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	19	0.27
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	10	0.27
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	2	0.26
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	4	0.26
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	1	0.26
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	1	0.26
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	1	0.26
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	17	0.26
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	17	0.26
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	3	0.26
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	19	0.26
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	2	0.26
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	4	0.26
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	17	0.26
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	19	0.26
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	3	0.26
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	5	0.26
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG21	19	0.26
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG22	19	0.26
(1,4882)	1:422:A:ASP:H	1:407:A:VAL:HG23	19	0.26
(1,4881)	1:450:A:MET:H	1:451:A:LYS:H	16	0.26
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	5	0.26
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	10	0.26
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	11	0.26
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	1	0.26
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	7	0.26
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	3	0.26
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	18	0.26
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	7	0.26
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	9	0.26
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	1	0.26
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	4	0.26
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	12	0.26
(1,4771)	1:408:A:ASN:H	1:409:A:TYR:H	16	0.26
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	5	0.26
(1,4736)	1:436:A:THR:H	1:437:A:ARG:HA	15	0.26
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	10	0.26
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	17	0.26
(1,4718)	1:459:A:LYS:H	1:459:A:LYS:HG3	18	0.26
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	9	0.26
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	9	0.26
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	9	0.26
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	3	0.26
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	13	0.26
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	10	0.26
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	18	0.26
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	9	0.26
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	15	0.26
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	16	0.26
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	19	0.26
(1,4621)	1:400:A:GLY:H	1:399:A:ASP:H	3	0.26
(1,4621)	1:400:A:GLY:H	1:399:A:ASP:H	13	0.26
(1,4621)	1:400:A:GLY:H	1:399:A:ASP:H	18	0.26
(1,4621)	1:400:A:GLY:H	1:399:A:ASP:H	19	0.26
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	2	0.26
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	4	0.26
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	8	0.26
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	9	0.26
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	11	0.26
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	12	0.26
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	13	0.26
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	15	0.26
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	17	0.26
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	18	0.26
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	20	0.26
(1,4595)	1:399:A:ASP:H	1:400:A:GLY:H	5	0.26
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	3	0.26
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	5	0.26
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	8	0.26
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	16	0.26
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	16	0.26
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	4	0.26
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	5	0.26
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	18	0.26
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	20	0.26
(1,4447)	1:387:A:LYS:H	1:459:A:LYS:HG2	2	0.26
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	3	0.26
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	5	0.26
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	8	0.26
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	16	0.26
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	17	0.26
(1,4386)	1:409:A:TYR:H	1:408:A:ASN:H	16	0.26
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	3	0.26
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	13	0.26
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	17	0.26
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	3	0.26
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	4	0.26
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	10	0.26
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	15	0.26
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	16	0.26
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4349)	1:419:A:GLY:H	1:442:A:CYS:HA	11	0.26
(1,4339)	1:372:A:LYS:H	1:372:A:LYS:HG2	7	0.26
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	7	0.26
(1,4250)	1:408:A:ASN:H	1:408:A:ASN:HB2	7	0.26
(1,4250)	1:408:A:ASN:H	1:408:A:ASN:HB2	15	0.26
(1,4250)	1:408:A:ASN:H	1:408:A:ASN:HB2	20	0.26
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	9	0.26
(1,4205)	1:444:A:ASN:H	1:444:A:ASN:HB2	11	0.26
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	2	0.26
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	2	0.26
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	2	0.26
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	8	0.26
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	8	0.26
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	8	0.26
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	13	0.26
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	13	0.26
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	13	0.26
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	18	0.26
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	18	0.26
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	18	0.26
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	18	0.26
(1,4154)	1:443:A:ILE:H	1:442:A:CYS:HA	11	0.26
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	1	0.26
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	2	0.26
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	9	0.26
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	11	0.26
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	14	0.26
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	15	0.26
(1,4151)	1:453:A:LEU:H	1:453:A:LEU:HB2	18	0.26
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	12	0.26
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	18	0.26
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	19	0.26
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	2	0.26
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	16	0.26
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	10	0.26
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	20	0.26
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	20	0.26
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	16	0.26
(1,4009)	1:444:A:ASN:H	1:370:A:SER:HB3	1	0.26
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	2	0.26
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	4	0.26
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	13	0.26
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	16	0.26
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	5	0.26
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	4	0.26
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	4	0.26
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	9	0.26
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	9	0.26
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	16	0.26
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	16	0.26
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	8	0.26
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	8	0.26
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	2	0.26
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	3	0.26
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	4	0.26
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	5	0.26
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	13	0.26
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	17	0.26
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	3	0.26
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	3	0.26
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	3	0.26
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	3	0.26
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	3	0.26
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	3	0.26
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	6	0.26
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	6	0.26
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	6	0.26
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE1	3	0.26
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE2	3	0.26
(1,3807)	1:454:A:PHE:HD1	1:450:A:MET:HE3	3	0.26
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE1	3	0.26
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE2	3	0.26
(1,3807)	1:454:A:PHE:HD2	1:450:A:MET:HE3	3	0.26
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	17	0.26
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	17	0.26
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	17	0.26
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	17	0.26
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	17	0.26
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	17	0.26
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	2	0.26
(1,3755)	1:421:A:HIS:HD2	1:421:A:HIS:HB3	10	0.26
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	19	0.26
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	18	0.26
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	19	0.26
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	4	0.26
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	18	0.26
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	9	0.26
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	9	0.26
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	9	0.26
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	9	0.26
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	9	0.26
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD21	10	0.26
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD22	10	0.26
(1,3646)	1:410:A:TRP:HZ3	1:393:A:LEU:HD23	10	0.26
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	6	0.26
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	6	0.26
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	19	0.26
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	19	0.26
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	3	0.26
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE1	16	0.26
(1,3594)	1:355:A:TRP:HE3	1:357:A:TYR:HE2	16	0.26
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	11	0.26
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	11	0.26
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	18	0.26
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	18	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	1	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	2	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	3	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	5	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	6	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	7	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	8	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	9	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	10	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	11	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	12	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	13	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	14	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	15	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	16	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	17	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	18	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	19	0.26
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	8	0.26
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	8	0.26
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	4	0.26
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	15	0.26
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	2	0.26
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	2	0.26
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	2	0.26
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	9	0.26
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	9	0.26
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	9	0.26
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	17	0.26
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	17	0.26
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	17	0.26
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	4	0.26
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	4	0.26
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	4	0.26
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	8	0.26
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	8	0.26
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	8	0.26
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	17	0.26
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	17	0.26
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	17	0.26
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	6	0.26
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	6	0.26
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	6	0.26
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	9	0.26
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	9	0.26
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	9	0.26
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	19	0.26
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	19	0.26
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	19	0.26
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	19	0.26
(1,3500)	1:459:A:LYS:HB2	1:458:A:GLU:HA	10	0.26
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	1	0.26
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	2	0.26
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	4	0.26
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	5	0.26
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	6	0.26
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	8	0.26
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	9	0.26
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	10	0.26
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	12	0.26
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	13	0.26
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	14	0.26
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	16	0.26
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	17	0.26
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	18	0.26
(1,3480)	1:402:A:PRO:HD2	1:402:A:PRO:HG2	19	0.26
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	2	0.26
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	3	0.26
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	8	0.26
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	9	0.26
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	11	0.26
(1,3462)	1:428:A:GLU:HA	1:428:A:GLU:HG3	14	0.26
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	5	0.26
(1,3367)	1:369:A:VAL:HG21	1:370:A:SER:H	9	0.26
(1,3367)	1:369:A:VAL:HG22	1:370:A:SER:H	9	0.26
(1,3367)	1:369:A:VAL:HG23	1:370:A:SER:H	9	0.26
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	9	0.26
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	11	0.26
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	16	0.26
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	7	0.26
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	15	0.26
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	6	0.26
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	8	0.26
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	10	0.26
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	11	0.26
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	14	0.26
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	16	0.26
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	17	0.26
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	18	0.26
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	19	0.26
(1,3299)	1:340:A:MET:HB3	1:341:A:GLU:HA	7	0.26
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	2	0.26
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	2	0.26
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	2	0.26
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	7	0.26
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	7	0.26
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	7	0.26
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	14	0.26
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	14	0.26
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	14	0.26
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	15	0.26
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	15	0.26
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	1	0.26
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	11	0.26
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	13	0.26
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	11	0.26
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	11	0.26
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	11	0.26
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	20	0.26
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	3	0.26
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	10	0.26
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	12	0.26
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	15	0.26
(1,3115)	1:453:A:LEU:HB2	1:454:A:PHE:H	6	0.26
(1,3080)	1:339:A:HIS:HB2	1:340:A:MET:H	17	0.26
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	4	0.26
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	1	0.26
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	4	0.26
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	8	0.26
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	14	0.26
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	16	0.26
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	18	0.26
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	2	0.26
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	2	0.26
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	2	0.26
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	8	0.26
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	8	0.26
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	8	0.26
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	14	0.26
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	14	0.26
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	14	0.26
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	18	0.26
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	18	0.26
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	18	0.26
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	20	0.26
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	20	0.26
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	20	0.26
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	13	0.26
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	15	0.26
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	11	0.26
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	13	0.26
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	18	0.26
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	1	0.26
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	9	0.26
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	14	0.26
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	5	0.26
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	5	0.26
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	5	0.26
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	11	0.26
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	12	0.26
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	1	0.26
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	13	0.26
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	3	0.26
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	4	0.26
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	7	0.26
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	11	0.26
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	12	0.26
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	14	0.26
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	15	0.26
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	17	0.26
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	20	0.26
(1,2917)	1:367:A:ASP:HB3	1:367:A:ASP:H	20	0.26
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	12	0.26
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	15	0.26
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	15	0.26
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	15	0.26
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	17	0.26
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	17	0.26
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	17	0.26
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	8	0.26
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	10	0.26
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	11	0.26
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	12	0.26
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	3	0.26
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	12	0.26
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	17	0.26
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	20	0.26
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	1	0.26
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	19	0.26
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	1	0.26
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	2	0.26
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	19	0.26
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	5	0.26
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	14	0.26
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	20	0.26
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	17	0.26
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG21	17	0.26
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG22	17	0.26
(1,2629)	1:413:A:ILE:HG12	1:413:A:ILE:HG23	17	0.26
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	14	0.26
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	14	0.26
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	14	0.26
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	12	0.26
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	2	0.26
(1,2558)	1:345:A:ILE:HA	1:346:A:GLU:HB3	6	0.26
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	11	0.26
(1,2552)	1:413:A:ILE:HA	1:414:A:ASP:H	13	0.26
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD1	1	0.26
(1,2546)	1:383:A:TYR:HA	1:383:A:TYR:HD2	1	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	3	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	3	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	3	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	3	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	3	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	3	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	3	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	3	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	3	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	5	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	5	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	5	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	5	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	5	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	5	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	5	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	5	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	5	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	8	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	8	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	8	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	8	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	8	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	8	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	8	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	8	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	11	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	11	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	11	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	11	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	11	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	11	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	11	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	11	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	11	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	12	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	12	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	12	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	12	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	12	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	12	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	12	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	12	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	12	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	13	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	13	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	13	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	13	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	13	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	13	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	13	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	13	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	13	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	15	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	15	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	15	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	15	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	15	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	15	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	15	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	15	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	15	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD11	18	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD12	18	0.26
(1,2542)	1:393:A:LEU:HD21	1:393:A:LEU:HD13	18	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD11	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD12	18	0.26
(1,2542)	1:393:A:LEU:HD22	1:393:A:LEU:HD13	18	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD11	18	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD12	18	0.26
(1,2542)	1:393:A:LEU:HD23	1:393:A:LEU:HD13	18	0.26
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	7	0.26
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	12	0.26
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	16	0.26
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	17	0.26
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	19	0.26
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	1	0.26
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	19	0.26
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	19	0.26
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	19	0.26
(1,2405)	1:393:A:LEU:HD21	1:393:A:LEU:HB2	16	0.26
(1,2405)	1:393:A:LEU:HD22	1:393:A:LEU:HB2	16	0.26
(1,2405)	1:393:A:LEU:HD23	1:393:A:LEU:HB2	16	0.26
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	2	0.26
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	2	0.26
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	2	0.26
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	19	0.26
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	19	0.26
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	19	0.26
(1,2389)	1:461:A:THR:HA	1:460:A:GLY:HA2	5	0.26
(1,2367)	1:361:A:LYS:HB3	1:361:A:LYS:HE2	8	0.26
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	8	0.26
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	2	0.26
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	11	0.26
(1,2297)	1:427:A:PRO:HB3	1:427:A:PRO:HA	20	0.26
(1,2237)	1:433:A:LEU:HD21	1:433:A:LEU:HB3	17	0.26
(1,2237)	1:433:A:LEU:HD22	1:433:A:LEU:HB3	17	0.26
(1,2237)	1:433:A:LEU:HD23	1:433:A:LEU:HB3	17	0.26
(1,2211)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	5	0.26
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	1	0.26
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	1	0.26
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	1	0.26
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	1	0.26
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	1	0.26
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	1	0.26
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	1	0.26
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	1	0.26
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	11	0.26
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	11	0.26
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	11	0.26
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	11	0.26
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	11	0.26
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	11	0.26
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	11	0.26
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	11	0.26
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	11	0.26
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	19	0.26
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	19	0.26
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	19	0.26
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	19	0.26
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	19	0.26
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	19	0.26
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	19	0.26
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	19	0.26
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	19	0.26
(1,2177)	1:367:A:ASP:HB2	1:368:A:ILE:H	12	0.26
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	7	0.26
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	12	0.26
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	14	0.26
(1,2070)	1:361:A:LYS:HE3	1:361:A:LYS:HA	14	0.26
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	3	0.26
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	4	0.26
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	17	0.26
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	18	0.26
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	13	0.26
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	6	0.26
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	6	0.26
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	6	0.26
(1,2016)	1:423:A:SER:HA	1:423:A:SER:H	17	0.26
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	12	0.26
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	12	0.26
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	12	0.26
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	15	0.26
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	15	0.26
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	15	0.26
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	5	0.26
(1,1929)	1:411:A:MET:HA	1:412:A:PRO:HB2	18	0.26
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	20	0.26
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	16	0.26
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	17	0.26
(1,1864)	1:361:A:LYS:HE2	1:361:A:LYS:HG3	9	0.26
(1,1864)	1:361:A:LYS:HE2	1:361:A:LYS:HG3	13	0.26
(1,1864)	1:361:A:LYS:HE2	1:361:A:LYS:HG3	14	0.26
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	6	0.26
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	6	0.26
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	6	0.26
(1,1849)	1:402:A:PRO:HG2	1:401:A:THR:HA	17	0.26
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	3	0.26
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	16	0.26
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	5	0.26
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	11	0.26
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	19	0.26
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	20	0.26
(1,1790)	1:387:A:LYS:HE3	1:387:A:LYS:HB3	9	0.26
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	10	0.26
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	6	0.26
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	16	0.26
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	19	0.26
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	6	0.26
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	6	0.26
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	6	0.26
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	6	0.26
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	6	0.26
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	6	0.26
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	8	0.26
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	9	0.26
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	9	0.26
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	13	0.26
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	1	0.26
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	2	0.26
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	4	0.26
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	5	0.26
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	6	0.26
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	8	0.26
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	12	0.26
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	16	0.26
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	17	0.26
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	18	0.26
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	19	0.26
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1694)	1:378:A:PRO:HA	1:378:A:PRO:HG2	2	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	1	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	1	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	1	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	6	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	6	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	6	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	11	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	11	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	11	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	14	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	14	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	14	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	16	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	16	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	16	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	20	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	20	0.26
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	20	0.26
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	7	0.26
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	8	0.26
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	11	0.26
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	18	0.26
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	18	0.26
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG11	3	0.26
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG12	3	0.26
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG13	3	0.26
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	16	0.26
(1,1626)	1:339:A:HIS:HB2	1:339:A:HIS:HA	5	0.26
(1,1626)	1:339:A:HIS:HB2	1:339:A:HIS:HA	16	0.26
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	8	0.26
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	9	0.26
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD11	1	0.26
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD12	1	0.26
(1,1583)	1:379:A:ALA:HB1	1:349:A:LEU:HD13	1	0.26
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD11	1	0.26
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD12	1	0.26
(1,1583)	1:379:A:ALA:HB2	1:349:A:LEU:HD13	1	0.26
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD11	1	0.26
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD12	1	0.26
(1,1583)	1:379:A:ALA:HB3	1:349:A:LEU:HD13	1	0.26
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	3	0.26
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	3	0.26
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	3	0.26
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	11	0.26
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	11	0.26
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	11	0.26
(1,1488)	1:372:A:LYS:HB3	1:373:A:PRO:HD2	20	0.26
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	17	0.26
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	17	0.26
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	17	0.26
(1,1478)	1:435:A:LYS:HD3	1:435:A:LYS:HB3	9	0.26
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	2	0.26
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	2	0.26
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	2	0.26
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	4	0.26
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	4	0.26
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	4	0.26
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	5	0.26
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	5	0.26
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	5	0.26
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	9	0.26
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	9	0.26
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	9	0.26
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG11	16	0.26
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG12	16	0.26
(1,1464)	1:418:A:VAL:HB	1:418:A:VAL:HG13	16	0.26
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	4	0.26
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	8	0.26
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	12	0.26
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	13	0.26
(1,1458)	1:458:A:GLU:HB2	1:458:A:GLU:HA	19	0.26
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	12	0.26
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	12	0.26
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	12	0.26
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	3	0.26
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	8	0.26
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	14	0.26
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	16	0.26
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	1	0.26
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	1	0.26
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	1	0.26
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	10	0.26
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	10	0.26
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	18	0.26
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	18	0.26
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	18	0.26
(1,1355)	1:396:A:THR:HG21	1:400:A:GLY:HA2	12	0.26
(1,1355)	1:396:A:THR:HG22	1:400:A:GLY:HA2	12	0.26
(1,1355)	1:396:A:THR:HG23	1:400:A:GLY:HA2	12	0.26
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	1	0.26
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	3	0.26
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	8	0.26
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	9	0.26
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	10	0.26
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	12	0.26
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	3	0.26
(1,1277)	1:394:A:LYS:HG3	1:394:A:LYS:HB2	15	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	1	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	1	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	1	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	2	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	2	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	2	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	3	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	3	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	3	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	4	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	4	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	4	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	5	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	5	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	5	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	6	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	6	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	6	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	7	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	7	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	7	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	8	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	8	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	8	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	9	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	9	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	10	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	10	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	10	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	11	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	11	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	11	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	12	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	12	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	12	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	13	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	13	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	13	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	15	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	15	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	15	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	16	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	16	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	16	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	19	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	19	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	19	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG11	20	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG12	20	0.26
(1,1226)	1:449:A:VAL:HB	1:449:A:VAL:HG13	20	0.26
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	20	0.26
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	4	0.26
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	7	0.26
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	17	0.26
(1,1074)	1:340:A:MET:HG2	1:341:A:GLU:H	20	0.26
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	10	0.26
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	15	0.26
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	3	0.26
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	19	0.26
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	1	0.26
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	4	0.26
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	5	0.26
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	13	0.26
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	14	0.26
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	16	0.26
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	17	0.26
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	20	0.26
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	7	0.26
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	7	0.26
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	7	0.26
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	15	0.26
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	15	0.26
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	15	0.26
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	17	0.26
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	17	0.26
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	17	0.26
(1,980)	1:453:A:LEU:HD11	1:453:A:LEU:HB2	6	0.26
(1,980)	1:453:A:LEU:HD12	1:453:A:LEU:HB2	6	0.26
(1,980)	1:453:A:LEU:HD13	1:453:A:LEU:HB2	6	0.26
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD11	12	0.26
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD12	12	0.26
(1,960)	1:407:A:VAL:HG21	1:393:A:LEU:HD13	12	0.26
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD11	12	0.26
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD12	12	0.26
(1,960)	1:407:A:VAL:HG22	1:393:A:LEU:HD13	12	0.26
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD11	12	0.26
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD12	12	0.26
(1,960)	1:407:A:VAL:HG23	1:393:A:LEU:HD13	12	0.26
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	16	0.26
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	12	0.26
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	12	0.26
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	12	0.26
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	15	0.26
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	15	0.26
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	15	0.26
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	3	0.26
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	10	0.26
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	16	0.26
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	2	0.26
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	2	0.26
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	2	0.26
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	6	0.26
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	6	0.26
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	6	0.26
(1,861)	1:407:A:VAL:HG21	1:421:A:HIS:HB3	5	0.26
(1,861)	1:407:A:VAL:HG22	1:421:A:HIS:HB3	5	0.26
(1,861)	1:407:A:VAL:HG23	1:421:A:HIS:HB3	5	0.26
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,831)	1:352:A:GLN:HA	1:353:A:HIS:H	10	0.26
(1,814)	1:366:A:THR:HA	1:367:A:ASP:H	4	0.26
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	6	0.26
(1,790)	1:372:A:LYS:HG2	1:372:A:LYS:HD3	11	0.26
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	6	0.26
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	6	0.26
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	6	0.26
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	6	0.26
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	6	0.26
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	6	0.26
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	6	0.26
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	6	0.26
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	6	0.26
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	18	0.26
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	2	0.26
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	2	0.26
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	2	0.26
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	2	0.26
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	2	0.26
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	2	0.26
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	2	0.26
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	2	0.26
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	2	0.26
(1,743)	1:389:A:GLU:HG3	1:389:A:GLU:H	15	0.26
(1,743)	1:389:A:GLU:HG3	1:389:A:GLU:H	20	0.26
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	2	0.26
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	2	0.26
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	2	0.26
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	4	0.26
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	4	0.26
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	4	0.26
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	11	0.26
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	11	0.26
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	11	0.26
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	15	0.26
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	15	0.26
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	15	0.26
(1,688)	1:390:A:ASP:HA	1:389:A:GLU:HB3	8	0.26
(1,688)	1:390:A:ASP:HA	1:389:A:GLU:HB3	16	0.26
(1,688)	1:390:A:ASP:HA	1:389:A:GLU:HB3	19	0.26
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	2	0.26
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	2	0.26
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	4	0.26
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	4	0.26
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	4	0.26
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	9	0.26
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	9	0.26
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	9	0.26
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	13	0.26
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	13	0.26
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	13	0.26
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	5	0.26
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	5	0.26
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	5	0.26
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	1	0.26
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	7	0.26
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	9	0.26
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	13	0.26
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	14	0.26
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	2	0.26
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	9	0.26
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	11	0.26
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	12	0.26
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	13	0.26
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	14	0.26
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	20	0.26
(1,550)	1:463:A:VAL:HG11	1:463:A:VAL:HA	9	0.26
(1,550)	1:463:A:VAL:HG12	1:463:A:VAL:HA	9	0.26
(1,550)	1:463:A:VAL:HG13	1:463:A:VAL:HA	9	0.26
(1,550)	1:463:A:VAL:HG11	1:463:A:VAL:HA	16	0.26
(1,550)	1:463:A:VAL:HG12	1:463:A:VAL:HA	16	0.26
(1,550)	1:463:A:VAL:HG13	1:463:A:VAL:HA	16	0.26
(1,545)	1:381:A:VAL:HA	1:381:A:VAL:H	6	0.26
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	5	0.26
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	14	0.26
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	6	0.26
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	18	0.26
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	20	0.26
(1,510)	1:372:A:LYS:HD3	1:372:A:LYS:HG2	13	0.26
(1,510)	1:372:A:LYS:HD3	1:372:A:LYS:HG2	20	0.26
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	3	0.26
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	16	0.26
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	14	0.26
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	18	0.26
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	19	0.26
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	14	0.26
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	16	0.26
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	1	0.26
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	4	0.26
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	6	0.26
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	7	0.26
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	9	0.26
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	10	0.26
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	13	0.26
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	14	0.26
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	15	0.26
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	18	0.26
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	19	0.26
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	20	0.26
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	9	0.26
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	1	0.26
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	2	0.26
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	4	0.26
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	5	0.26
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	6	0.26
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	8	0.26
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	12	0.26
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	16	0.26
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	17	0.26
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	18	0.26
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	19	0.26
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	20	0.26
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	5	0.26
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	12	0.26
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	14	0.26
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	20	0.26
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	8	0.26
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG21	2	0.26
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG22	2	0.26
(1,108)	1:416:A:THR:HA	1:416:A:THR:HG23	2	0.26
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	1	0.26
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	12	0.26
(1,105)	1:384:A:VAL:HB	1:384:A:VAL:H	14	0.26
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	11	0.26
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	11	0.26
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	4	0.26
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	7	0.26
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	9	0.26
(1,87)	1:408:A:ASN:HB2	1:408:A:ASN:HA	10	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	1	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	1	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	1	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	5	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	5	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	5	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	6	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	6	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	6	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	7	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	7	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	7	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	8	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	8	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	8	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	12	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	12	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	12	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	14	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	14	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	14	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	15	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	15	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	15	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	18	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	18	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	18	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	19	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	19	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	19	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG21	20	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG22	20	0.26
(1,67)	1:416:A:THR:HB	1:416:A:THR:HG23	20	0.26
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	16	0.26
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	2	0.26
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	2	0.26
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	2	0.26
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	2	0.26
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	2	0.26
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	2	0.26
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	2	0.26
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	2	0.26
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	3	0.26
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	3	0.26
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	3	0.26
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	3	0.26
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	3	0.26
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	3	0.26
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	3	0.26
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	3	0.26
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	3	0.26
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	7	0.26
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	7	0.26
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	7	0.26
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	7	0.26
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	7	0.26
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	7	0.26
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	7	0.26
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	7	0.26
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	7	0.26
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	3	0.25
(1,4986)	1:404:A:GLU:H	1:404:A:GLU:HB3	12	0.25
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	20	0.25
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	13	0.25
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	1	0.25
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	6	0.25
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	3	0.25
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	4	0.25
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	9	0.25
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	13	0.25
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	18	0.25
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	4	0.25
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	6	0.25
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	7	0.25
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	8	0.25
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	9	0.25
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	11	0.25
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	12	0.25
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	13	0.25
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	14	0.25
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	15	0.25
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	16	0.25
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	17	0.25
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	18	0.25
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	19	0.25
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	20	0.25
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	12	0.25
(1,4821)	1:374:A:THR:H	1:373:A:PRO:HB2	1	0.25
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	14	0.25
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	5	0.25
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	8	0.25
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	11	0.25
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	12	0.25
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	15	0.25
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	8	0.25
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	18	0.25
(1,4725)	1:395:A:GLY:H	1:402:A:PRO:HB3	12	0.25
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	1	0.25
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	1	0.25
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	1	0.25
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	4	0.25
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	4	0.25
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	4	0.25
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	16	0.25
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	16	0.25
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	16	0.25
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	17	0.25
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	17	0.25
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	17	0.25
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	8	0.25
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	4	0.25
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	7	0.25
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	17	0.25
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	19	0.25
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	2	0.25
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	14	0.25
(1,4653)	1:453:A:LEU:H	1:452:A:GLU:H	8	0.25
(1,4621)	1:400:A:GLY:H	1:399:A:ASP:H	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	1	0.25
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	3	0.25
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	6	0.25
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	7	0.25
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	14	0.25
(1,4612)	1:384:A:VAL:H	1:384:A:VAL:HA	19	0.25
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	1	0.25
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	19	0.25
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	17	0.25
(1,4506)	1:452:A:GLU:H	1:453:A:LEU:H	8	0.25
(1,4501)	1:391:A:ALA:H	1:389:A:GLU:HB3	4	0.25
(1,4501)	1:391:A:ALA:H	1:389:A:GLU:HB3	8	0.25
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	20	0.25
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	6	0.25
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	14	0.25
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	10	0.25
(1,4447)	1:387:A:LYS:H	1:459:A:LYS:HG2	4	0.25
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	2	0.25
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	16	0.25
(1,4423)	1:422:A:ASP:H	1:409:A:TYR:H	2	0.25
(1,4423)	1:422:A:ASP:H	1:409:A:TYR:H	9	0.25
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	1	0.25
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	19	0.25
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	7	0.25
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	2	0.25
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	16	0.25
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	16	0.25
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	19	0.25
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	20	0.25
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	8	0.25
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	11	0.25
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	11	0.25
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	19	0.25
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	3	0.25
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	5	0.25
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	6	0.25
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	7	0.25
(1,4250)	1:408:A:ASN:H	1:408:A:ASN:HB2	1	0.25
(1,4250)	1:408:A:ASN:H	1:408:A:ASN:HB2	2	0.25
(1,4250)	1:408:A:ASN:H	1:408:A:ASN:HB2	6	0.25
(1,4250)	1:408:A:ASN:H	1:408:A:ASN:HB2	8	0.25
(1,4250)	1:408:A:ASN:H	1:408:A:ASN:HB2	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4250)	1:408:A:ASN:H	1:408:A:ASN:HB2	11	0.25
(1,4250)	1:408:A:ASN:H	1:408:A:ASN:HB2	17	0.25
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	4	0.25
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	19	0.25
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	15	0.25
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	1	0.25
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	3	0.25
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	10	0.25
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	17	0.25
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	18	0.25
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	19	0.25
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	20	0.25
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	4	0.25
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	4	0.25
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	4	0.25
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	5	0.25
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	5	0.25
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	5	0.25
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	19	0.25
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	19	0.25
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	19	0.25
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG11	16	0.25
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG12	16	0.25
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG13	16	0.25
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	13	0.25
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	20	0.25
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	20	0.25
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	14	0.25
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	13	0.25
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	2	0.25
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	11	0.25
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	5	0.25
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	15	0.25
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	5	0.25
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	5	0.25
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	5	0.25
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	9	0.25
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	9	0.25
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	9	0.25
(1,4067)	1:367:A:ASP:H	1:367:A:ASP:HB2	4	0.25
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	1	0.25
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	11	0.25
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	14	0.25
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	15	0.25
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	1	0.25
(1,3902)	1:454:A:PHE:HD1	1:454:A:PHE:HA	13	0.25
(1,3902)	1:454:A:PHE:HD2	1:454:A:PHE:HA	13	0.25
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	2	0.25
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	2	0.25
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	6	0.25
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	6	0.25
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	17	0.25
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	17	0.25
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	17	0.25
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	17	0.25
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	17	0.25
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	17	0.25
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	3	0.25
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	3	0.25
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	10	0.25
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	10	0.25
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	1	0.25
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	6	0.25
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	7	0.25
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	8	0.25
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	9	0.25
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	10	0.25
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	11	0.25
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	12	0.25
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	14	0.25
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	15	0.25
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	16	0.25
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	18	0.25
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	19	0.25
(1,3874)	1:425:A:TRP:HH2	1:425:A:TRP:HZ3	20	0.25
(1,3869)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	5	0.25
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	19	0.25
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	19	0.25
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	19	0.25
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	19	0.25
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	19	0.25
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	19	0.25
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	20	0.25
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	20	0.25
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	20	0.25
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	20	0.25
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	20	0.25
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	13	0.25
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	13	0.25
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	13	0.25
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	13	0.25
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	13	0.25
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	13	0.25
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	16	0.25
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	16	0.25
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	16	0.25
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	16	0.25
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	16	0.25
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	16	0.25
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	10	0.25
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	14	0.25
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	2	0.25
(1,3687)	1:425:A:TRP:HE3	1:424:A:ASP:HB2	15	0.25
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	16	0.25
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	16	0.25
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	16	0.25
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	16	0.25
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	16	0.25
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	16	0.25
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	10	0.25
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	10	0.25
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	7	0.25
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	7	0.25
(1,3589)	1:355:A:TRP:HZ2	1:355:A:TRP:HZ3	4	0.25
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	1	0.25
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	1	0.25
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	1	0.25
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	4	0.25
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	4	0.25
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	4	0.25
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	8	0.25
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	8	0.25
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	8	0.25
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	12	0.25
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	12	0.25
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	2	0.25
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	2	0.25
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	2	0.25
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	15	0.25
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	15	0.25
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	15	0.25
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	20	0.25
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	20	0.25
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	20	0.25
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	9	0.25
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	17	0.25
(1,3487)	1:348:A:ASP:HB2	1:348:A:ASP:H	15	0.25
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	2	0.25
(1,3346)	1:387:A:LYS:HB3	1:388:A:GLU:H	9	0.25
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	2	0.25
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	1	0.25
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	13	0.25
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	15	0.25
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	10	0.25
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	10	0.25
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	10	0.25
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	1	0.25
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	1	0.25
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	1	0.25
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	8	0.25
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	8	0.25
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	8	0.25
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	10	0.25
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	10	0.25
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	10	0.25
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	12	0.25
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	12	0.25
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	12	0.25
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	12	0.25
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	2	0.25
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD21	11	0.25
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD22	11	0.25
(1,3197)	1:442:A:CYS:HB2	1:393:A:LEU:HD23	11	0.25
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	20	0.25
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	8	0.25
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	8	0.25
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	17	0.25
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	17	0.25
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	17	0.25
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	7	0.25
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	8	0.25
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	1	0.25
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	6	0.25
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	12	0.25
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	19	0.25
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	1	0.25
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	5	0.25
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	2	0.25
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	3	0.25
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	5	0.25
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	11	0.25
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	13	0.25
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	15	0.25
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	17	0.25
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	19	0.25
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	20	0.25
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	3	0.25
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	3	0.25
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	3	0.25
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	11	0.25
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	11	0.25
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	11	0.25
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	12	0.25
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	12	0.25
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	12	0.25
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	7	0.25
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	9	0.25
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	14	0.25
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	16	0.25
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	4	0.25
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	6	0.25
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	9	0.25
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	10	0.25
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	13	0.25
(1,2997)	1:387:A:LYS:HD2	1:387:A:LYS:H	13	0.25
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	17	0.25
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	4	0.25
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	19	0.25
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	3	0.25
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	4	0.25
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	12	0.25
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	19	0.25
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	5	0.25
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	13	0.25
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	16	0.25
(1,2920)	1:346:A:GLU:HA	1:346:A:GLU:HB2	18	0.25
(1,2917)	1:367:A:ASP:HB3	1:367:A:ASP:H	6	0.25
(1,2917)	1:367:A:ASP:HB3	1:367:A:ASP:H	13	0.25
(1,2917)	1:367:A:ASP:HB3	1:367:A:ASP:H	15	0.25
(1,2917)	1:367:A:ASP:HB3	1:367:A:ASP:H	18	0.25
(1,2893)	1:399:A:ASP:HB2	1:400:A:GLY:H	6	0.25
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	2	0.25
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	2	0.25
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	2	0.25
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	3	0.25
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	3	0.25
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	3	0.25
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	10	0.25
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	10	0.25
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	10	0.25
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	18	0.25
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	18	0.25
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	18	0.25
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	20	0.25
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	20	0.25
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	20	0.25
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	4	0.25
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	6	0.25
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	9	0.25
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	15	0.25
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	6	0.25
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	7	0.25
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	8	0.25
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	9	0.25
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	11	0.25
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	14	0.25
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	2	0.25
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	7	0.25
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	16	0.25
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	11	0.25
(1,2802)	1:370:A:SER:HA	1:370:A:SER:H	6	0.25
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	17	0.25
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	17	0.25
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	17	0.25
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	4	0.25
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	18	0.25
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	4	0.25
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	3	0.25
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	3	0.25
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	3	0.25
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	20	0.25
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	20	0.25
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	20	0.25
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	2	0.25
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	10	0.25
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	5	0.25
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	13	0.25
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	18	0.25
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	20	0.25
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	9	0.25
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	19	0.25
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	9	0.25
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	13	0.25
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	16	0.25
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	17	0.25
(1,2426)	1:340:A:MET:HG3	1:340:A:MET:H	16	0.25
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	6	0.25
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	6	0.25
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	6	0.25
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	14	0.25
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	14	0.25
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	14	0.25
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	15	0.25
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	15	0.25
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	15	0.25
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	16	0.25
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	16	0.25
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	6	0.25
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	6	0.25
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	6	0.25
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	7	0.25
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	20	0.25
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	11	0.25
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	15	0.25
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	15	0.25
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	15	0.25
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	17	0.25
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	20	0.25
(1,2177)	1:367:A:ASP:HB2	1:368:A:ILE:H	10	0.25
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	1	0.25
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	4	0.25
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	8	0.25
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	9	0.25
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	11	0.25
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	13	0.25
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	16	0.25
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	17	0.25
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	19	0.25
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	10	0.25
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	1	0.25
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	2	0.25
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	3	0.25
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	7	0.25
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	11	0.25
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	2	0.25
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	2	0.25
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	2	0.25
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	12	0.25
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	12	0.25
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	12	0.25
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	7	0.25
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	7	0.25
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	7	0.25
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	19	0.25
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	19	0.25
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	19	0.25
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	11	0.25
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	13	0.25
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	6	0.25
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	8	0.25
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	10	0.25
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	18	0.25
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	20	0.25
(1,1864)	1:361:A:LYS:HE2	1:361:A:LYS:HG3	15	0.25
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	5	0.25
(1,1818)	1:424:A:ASP:HB2	1:424:A:ASP:HA	12	0.25
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	16	0.25
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	1	0.25
(1,1799)	1:406:A:PRO:HB3	1:406:A:PRO:HD3	8	0.25
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	5	0.25
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	7	0.25
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	9	0.25
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	15	0.25
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	17	0.25
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	1	0.25
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	4	0.25
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	19	0.25
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	20	0.25
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	10	0.25
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	16	0.25
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	20	0.25
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	3	0.25
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	7	0.25
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	11	0.25
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	13	0.25
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	14	0.25
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	15	0.25
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	2	0.25
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	2	0.25
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	2	0.25
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	5	0.25
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	5	0.25
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	5	0.25
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	7	0.25
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	7	0.25
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	7	0.25
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	12	0.25
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	12	0.25
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	12	0.25
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	13	0.25
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	13	0.25
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	4	0.25
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	6	0.25
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	13	0.25
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	19	0.25
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	11	0.25
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	20	0.25
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	15	0.25
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	1	0.25
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	4	0.25
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	19	0.25
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	20	0.25
(1,1554)	1:361:A:LYS:HG2	1:361:A:LYS:H	12	0.25
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	4	0.25
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	9	0.25
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	19	0.25
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	20	0.25
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	6	0.25
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	12	0.25
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	2	0.25
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	2	0.25
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	2	0.25
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	5	0.25
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	5	0.25
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	5	0.25
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	20	0.25
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	20	0.25
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	20	0.25
(1,1467)	1:372:A:LYS:HB3	1:372:A:LYS:HD3	5	0.25
(1,1467)	1:372:A:LYS:HB3	1:372:A:LYS:HD3	10	0.25
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	15	0.25
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	15	0.25
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	15	0.25
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	1	0.25
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	13	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	1	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	2	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	3	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	4	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	5	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	7	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	8	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	9	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	10	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	11	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	12	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	13	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	14	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	15	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	16	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	17	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	18	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	19	0.25
(1,1419)	1:453:A:LEU:HB3	1:453:A:LEU:HA	20	0.25
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	19	0.25
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	17	0.25
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	4	0.25
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	4	0.25
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	4	0.25
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	5	0.25
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	5	0.25
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	5	0.25
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	9	0.25
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	9	0.25
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	9	0.25
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	13	0.25
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	13	0.25
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	13	0.25
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	16	0.25
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	16	0.25
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	16	0.25
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	6	0.25
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	5	0.25
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	10	0.25
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	10	0.25
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	10	0.25
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	10	0.25
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	10	0.25
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	10	0.25
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	10	0.25
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	10	0.25
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	10	0.25
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	12	0.25
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	9	0.25
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	8	0.25
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	2	0.25
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	7	0.25
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	18	0.25
(1,1161)	1:429:A:TYR:HB2	1:429:A:TYR:H	7	0.25
(1,1161)	1:429:A:TYR:HB2	1:429:A:TYR:H	20	0.25
(1,1074)	1:340:A:MET:HG2	1:341:A:GLU:H	14	0.25
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	20	0.25
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	2	0.25
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	17	0.25
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	6	0.25
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	7	0.25
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	9	0.25
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	10	0.25
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	11	0.25
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	15	0.25
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	19	0.25
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	19	0.25
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	19	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	2	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	2	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	2	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	3	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	3	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	3	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	10	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	10	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	10	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	18	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	18	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	18	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	20	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	20	0.25
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	20	0.25
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	13	0.25
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	3	0.25
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	17	0.25
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	2	0.25
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	12	0.25
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	12	0.25
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	1	0.25
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	6	0.25
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	8	0.25
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	18	0.25
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	3	0.25
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	8	0.25
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	9	0.25
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	5	0.25
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	7	0.25
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	7	0.25
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	7	0.25
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	8	0.25
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	8	0.25
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	8	0.25
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	19	0.25
(1,659)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	16	0.25
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	4	0.25
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	18	0.25
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	3	0.25
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	3	0.25
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	3	0.25
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	5	0.25
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	5	0.25
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	5	0.25
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	15	0.25
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	2	0.25
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	7	0.25
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	15	0.25
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	1	0.25
(1,561)	1:372:A:LYS:HG2	1:372:A:LYS:HA	13	0.25
(1,561)	1:372:A:LYS:HG2	1:372:A:LYS:HA	15	0.25
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	13	0.25
(1,525)	1:372:A:LYS:HB2	1:372:A:LYS:H	15	0.25
(1,510)	1:372:A:LYS:HD3	1:372:A:LYS:HG2	15	0.25
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	5	0.25
(1,503)	1:424:A:ASP:HA	1:424:A:ASP:HB2	12	0.25
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	1	0.25
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	2	0.25
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	4	0.25
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	6	0.25
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	7	0.25
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	10	0.25
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	12	0.25
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	13	0.25
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	16	0.25
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	17	0.25
(1,433)	1:448:A:SER:HA	1:448:A:SER:H	20	0.25
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	3	0.25
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD1	11	0.25
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD2	11	0.25
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD1	11	0.25
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD2	11	0.25
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD1	11	0.25
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD2	11	0.25
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD1	16	0.25
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD2	16	0.25
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD1	16	0.25
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD2	16	0.25
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD1	16	0.25
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD2	16	0.25
(1,395)	1:388:A:GLU:HA	1:388:A:GLU:HG3	14	0.25
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	2	0.25
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	5	0.25
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	12	0.25
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	16	0.25
(1,391)	1:446:A:PRO:HA	1:446:A:PRO:HB2	17	0.25
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	5	0.25
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	5	0.25
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	5	0.25
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	15	0.25
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	15	0.25
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	15	0.25
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	17	0.25
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	3	0.25
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	7	0.25
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	11	0.25
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	13	0.25
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	14	0.25
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	15	0.25
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	4	0.25
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	4	0.25
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	4	0.25
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	4	0.25
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	4	0.25
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	5	0.25
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	5	0.25
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	5	0.25
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	5	0.25
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	5	0.25
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	5	0.25
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	3	0.25
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	15	0.25
(1,181)	1:451:A:LYS:HE3	1:451:A:LYS:HB3	8	0.25
(1,181)	1:451:A:LYS:HE3	1:451:A:LYS:HB3	16	0.25
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	6	0.25
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	7	0.25
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	8	0.25
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	7	0.25
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	20	0.25
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	9	0.25
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	16	0.25
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	2	0.25
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	5	0.25
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	15	0.25
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	7	0.25
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	8	0.25
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	13	0.25
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	17	0.25
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	12	0.24
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	8	0.24
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	10	0.24
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	4	0.24
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	14	0.24
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	18	0.24
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	12	0.24
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	14	0.24
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	1	0.24
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	7	0.24
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	20	0.24
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	1	0.24
(1,4887)	1:346:A:GLU:H	1:346:A:GLU:HA	2	0.24
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	15	0.24
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	15	0.24
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	1	0.24
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	7	0.24
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	10	0.24
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	13	0.24
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	7	0.24
(1,4725)	1:395:A:GLY:H	1:402:A:PRO:HB3	15	0.24
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	3	0.24
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	3	0.24
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	3	0.24
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	15	0.24
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	15	0.24
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	15	0.24
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	15	0.24
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	4	0.24
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	8	0.24
(1,4621)	1:400:A:GLY:H	1:399:A:ASP:H	4	0.24
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	4	0.24
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	14	0.24
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	18	0.24
(1,4501)	1:391:A:ALA:H	1:389:A:GLU:HB3	1	0.24
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	1	0.24
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	7	0.24
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	8	0.24
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	16	0.24
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	17	0.24
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	18	0.24
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	9	0.24
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	17	0.24
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	4	0.24
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	12	0.24
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	14	0.24
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	17	0.24
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	19	0.24
(1,4447)	1:387:A:LYS:H	1:459:A:LYS:HG2	1	0.24
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	5	0.24
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	19	0.24
(1,4427)	1:466:A:PHE:H	1:349:A:LEU:H	18	0.24
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	4	0.24
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	14	0.24
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	8	0.24
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	14	0.24
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	18	0.24
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	1	0.24
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	2	0.24
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	5	0.24
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	17	0.24
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	20	0.24
(1,4349)	1:419:A:GLY:H	1:442:A:CYS:HA	2	0.24
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	2	0.24
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	16	0.24
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	6	0.24
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	18	0.24
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	5	0.24
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	5	0.24
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	10	0.24
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	10	0.24
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE1	15	0.24
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE2	15	0.24
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	1	0.24
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	7	0.24
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	9	0.24
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	10	0.24
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	18	0.24
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	6	0.24
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	7	0.24
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	18	0.24
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	6	0.24
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	12	0.24
(1,4096)	1:445:A:THR:H	1:445:A:THR:HB	5	0.24
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	5	0.24
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	6	0.24
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	9	0.24
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	14	0.24
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	15	0.24
(1,4067)	1:367:A:ASP:H	1:367:A:ASP:HB2	1	0.24
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	6	0.24
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	17	0.24
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	20	0.24
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	5	0.24
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	6	0.24
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	14	0.24
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	15	0.24
(1,3930)	1:424:A:ASP:H	1:447:A:PRO:HA	19	0.24
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	3	0.24
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	3	0.24
(1,3894)	1:356:A:TYR:HD1	1:356:A:TYR:HB2	12	0.24
(1,3894)	1:356:A:TYR:HD2	1:356:A:TYR:HB2	12	0.24
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	1	0.24
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	1	0.24
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	7	0.24
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	7	0.24
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	9	0.24
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	9	0.24
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	11	0.24
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	11	0.24
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	13	0.24
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	13	0.24
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	14	0.24
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	14	0.24
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	15	0.24
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	15	0.24
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	17	0.24
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	17	0.24
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	18	0.24
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	18	0.24
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	19	0.24
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	19	0.24
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	15	0.24
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	15	0.24
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	12	0.24
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	12	0.24
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	12	0.24
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	1	0.24
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	2	0.24
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	3	0.24
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	4	0.24
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	5	0.24
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	6	0.24
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	8	0.24
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	9	0.24
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	10	0.24
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	12	0.24
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	13	0.24
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	15	0.24
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	16	0.24
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	17	0.24
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	18	0.24
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	4	0.24
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	4	0.24
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	4	0.24
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	4	0.24
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	4	0.24
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	4	0.24
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	5	0.24
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	5	0.24
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	5	0.24
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	5	0.24
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	5	0.24
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	5	0.24
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	3	0.24
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	3	0.24
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	12	0.24
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	12	0.24
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	1	0.24
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	1	0.24
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	1	0.24
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	4	0.24
(1,3700)	1:425:A:TRP:HE3	1:425:A:TRP:HB3	7	0.24
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	9	0.24
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	13	0.24
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	12	0.24
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	12	0.24
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	12	0.24
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	20	0.24
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	20	0.24
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	8	0.24
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	9	0.24
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	6	0.24
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	6	0.24
(1,3586)	1:466:A:PHE:HE1	1:348:A:ASP:HB2	14	0.24
(1,3586)	1:466:A:PHE:HE2	1:348:A:ASP:HB2	14	0.24
(1,3586)	1:466:A:PHE:HE1	1:348:A:ASP:HB2	20	0.24
(1,3586)	1:466:A:PHE:HE2	1:348:A:ASP:HB2	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	3	0.24
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	3	0.24
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	3	0.24
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	7	0.24
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	7	0.24
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	7	0.24
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	1	0.24
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	2	0.24
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	4	0.24
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	18	0.24
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	6	0.24
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	6	0.24
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	6	0.24
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	20	0.24
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	20	0.24
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	20	0.24
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG11	18	0.24
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG12	18	0.24
(1,3535)	1:355:A:TRP:HD1	1:362:A:VAL:HG13	18	0.24
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	4	0.24
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	4	0.24
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	4	0.24
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	8	0.24
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	8	0.24
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	8	0.24
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	1	0.24
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	8	0.24
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	10	0.24
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	11	0.24
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	12	0.24
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	13	0.24
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	14	0.24
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	15	0.24
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	16	0.24
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	17	0.24
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	18	0.24
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	20	0.24
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	15	0.24
(1,3479)	1:397:A:ASN:HB2	1:397:A:ASN:HD21	4	0.24
(1,3467)	1:349:A:LEU:HA	1:350:A:GLU:H	16	0.24
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	2	0.24
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	2	0.24
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	16	0.24
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	5	0.24
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	7	0.24
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	8	0.24
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	1	0.24
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	4	0.24
(1,3310)	1:387:A:LYS:HB3	1:387:A:LYS:HG3	20	0.24
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	5	0.24
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	5	0.24
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	5	0.24
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	12	0.24
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	12	0.24
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	12	0.24
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	13	0.24
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	13	0.24
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	13	0.24
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	15	0.24
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	15	0.24
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	15	0.24
(1,3299)	1:340:A:MET:HB3	1:341:A:GLU:HA	1	0.24
(1,3299)	1:340:A:MET:HB3	1:341:A:GLU:HA	2	0.24
(1,3294)	1:363:A:ALA:HB1	1:363:A:ALA:H	9	0.24
(1,3294)	1:363:A:ALA:HB2	1:363:A:ALA:H	9	0.24
(1,3294)	1:363:A:ALA:HB3	1:363:A:ALA:H	9	0.24
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	20	0.24
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	20	0.24
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	20	0.24
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	17	0.24
(1,3227)	1:339:A:HIS:HA	1:340:A:MET:HA	5	0.24
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	1	0.24
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	2	0.24
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	4	0.24
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	15	0.24
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	19	0.24
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	19	0.24
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	19	0.24
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	6	0.24
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	17	0.24
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	2	0.24
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	5	0.24
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	13	0.24
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	15	0.24
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	18	0.24
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	6	0.24
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	7	0.24
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	10	0.24
(1,3049)	1:437:A:ARG:HD2	1:437:A:ARG:HE	12	0.24
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	1	0.24
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	1	0.24
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	1	0.24
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	4	0.24
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	4	0.24
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	4	0.24
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	7	0.24
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	7	0.24
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	7	0.24
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	1	0.24
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	2	0.24
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	19	0.24
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	2	0.24
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	7	0.24
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	8	0.24
(1,2997)	1:387:A:LYS:HD2	1:387:A:LYS:H	4	0.24
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	11	0.24
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	13	0.24
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	13	0.24
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	13	0.24
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	17	0.24
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	17	0.24
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	17	0.24
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	8	0.24
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	10	0.24
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	2	0.24
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	3	0.24
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	4	0.24
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	10	0.24
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	14	0.24
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	15	0.24
(1,2917)	1:367:A:ASP:HB3	1:367:A:ASP:H	9	0.24
(1,2917)	1:367:A:ASP:HB3	1:367:A:ASP:H	14	0.24
(1,2917)	1:367:A:ASP:HB3	1:367:A:ASP:H	16	0.24
(1,2917)	1:367:A:ASP:HB3	1:367:A:ASP:H	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2893)	1:399:A:ASP:HB2	1:400:A:GLY:H	15	0.24
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	5	0.24
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	5	0.24
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	5	0.24
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	9	0.24
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	9	0.24
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	9	0.24
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	13	0.24
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	13	0.24
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	13	0.24
(1,2861)	1:407:A:VAL:HG21	1:409:A:TYR:H	15	0.24
(1,2861)	1:407:A:VAL:HG22	1:409:A:TYR:H	15	0.24
(1,2861)	1:407:A:VAL:HG23	1:409:A:TYR:H	15	0.24
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	5	0.24
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	7	0.24
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	18	0.24
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	19	0.24
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	1	0.24
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	10	0.24
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	13	0.24
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	19	0.24
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	4	0.24
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	8	0.24
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	6	0.24
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	16	0.24
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	17	0.24
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	9	0.24
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	16	0.24
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	5	0.24
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	5	0.24
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	5	0.24
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	10	0.24
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	10	0.24
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	10	0.24
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	16	0.24
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	16	0.24
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	16	0.24
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	18	0.24
(1,2531)	1:399:A:ASP:HB3	1:400:A:GLY:H	2	0.24
(1,2517)	1:403:A:TYR:HB2	1:403:A:TYR:HA	11	0.24
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	8	0.24
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	12	0.24
(1,2509)	1:428:A:GLU:HG2	1:429:A:TYR:H	7	0.24
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	1	0.24
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	4	0.24
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	11	0.24
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	12	0.24
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	5	0.24
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	5	0.24
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	5	0.24
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	5	0.24
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	5	0.24
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	5	0.24
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	10	0.24
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	10	0.24
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	10	0.24
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	12	0.24
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	12	0.24
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	12	0.24
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	16	0.24
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	16	0.24
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	16	0.24
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	5	0.24
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	5	0.24
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	5	0.24
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	13	0.24
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	13	0.24
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	13	0.24
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	20	0.24
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	20	0.24
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	20	0.24
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	9	0.24
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	9	0.24
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	9	0.24
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	10	0.24
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	10	0.24
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	10	0.24
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	1	0.24
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	2	0.24
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	4	0.24
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	10	0.24
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	14	0.24
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	10	0.24
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	10	0.24
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	2	0.24
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	10	0.24
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	13	0.24
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	9	0.24
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	9	0.24
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	9	0.24
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	12	0.24
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	12	0.24
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	12	0.24
(1,2209)	1:423:A:SER:HB3	1:423:A:SER:H	7	0.24
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	3	0.24
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	5	0.24
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	7	0.24
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	8	0.24
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	14	0.24
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	5	0.24
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	8	0.24
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	9	0.24
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	9	0.24
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	9	0.24
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	9	0.24
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	9	0.24
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	9	0.24
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	9	0.24
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	9	0.24
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	9	0.24
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	13	0.24
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	13	0.24
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	13	0.24
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	13	0.24
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	13	0.24
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	13	0.24
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	13	0.24
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	13	0.24
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	13	0.24
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	10	0.24
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	18	0.24
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	20	0.24
(1,2103)	1:402:A:PRO:HB3	1:403:A:TYR:H	5	0.24
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	6	0.24
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	7	0.24
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	14	0.24
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	15	0.24
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	6	0.24
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	15	0.24
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	16	0.24
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	7	0.24
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	7	0.24
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	7	0.24
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	3	0.24
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	3	0.24
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	3	0.24
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	6	0.24
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	6	0.24
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	6	0.24
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	17	0.24
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	17	0.24
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	17	0.24
(1,1954)	1:384:A:VAL:HG21	1:459:A:LYS:H	10	0.24
(1,1954)	1:384:A:VAL:HG22	1:459:A:LYS:H	10	0.24
(1,1954)	1:384:A:VAL:HG23	1:459:A:LYS:H	10	0.24
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	2	0.24
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	3	0.24
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	5	0.24
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	6	0.24
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	9	0.24
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	12	0.24
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	17	0.24
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	19	0.24
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	1	0.24
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	13	0.24
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	2	0.24
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	2	0.24
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	2	0.24
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	7	0.24
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	7	0.24
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	7	0.24
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	13	0.24
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	13	0.24
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	13	0.24
(1,1816)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	4	0.24
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	11	0.24
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	4	0.24
(1,1766)	1:358:A:LYS:HG3	1:358:A:LYS:HD3	10	0.24
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	9	0.24
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	10	0.24
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	4	0.24
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	5	0.24
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	7	0.24
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	10	0.24
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	15	0.24
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	17	0.24
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	1	0.24
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	15	0.24
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	17	0.24
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	18	0.24
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	4	0.24
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	4	0.24
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	4	0.24
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	15	0.24
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	15	0.24
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	15	0.24
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	17	0.24
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	17	0.24
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	17	0.24
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	18	0.24
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	18	0.24
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	18	0.24
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG21	19	0.24
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG22	19	0.24
(1,1675)	1:401:A:THR:HA	1:401:A:THR:HG23	19	0.24
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	9	0.24
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	10	0.24
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	12	0.24
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	15	0.24
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	16	0.24
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	20	0.24
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	10	0.24
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	11	0.24
(1,1564)	1:408:A:ASN:HA	1:408:A:ASN:HD21	13	0.24
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	2	0.24
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	8	0.24
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	13	0.24
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	16	0.24
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	18	0.24
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	7	0.24
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	7	0.24
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	7	0.24
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	19	0.24
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	19	0.24
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	19	0.24
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	1	0.24
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	2	0.24
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	3	0.24
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	4	0.24
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	10	0.24
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	13	0.24
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	14	0.24
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	16	0.24
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	17	0.24
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	20	0.24
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	2	0.24
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	11	0.24
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	3	0.24
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	3	0.24
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	3	0.24
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	8	0.24
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	8	0.24
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	8	0.24
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	9	0.24
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	9	0.24
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	9	0.24
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	12	0.24
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	12	0.24
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	12	0.24
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	14	0.24
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	14	0.24
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	14	0.24
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	16	0.24
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	16	0.24
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	16	0.24
(1,1428)	1:340:A:MET:HB2	1:340:A:MET:HG3	4	0.24
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	8	0.24
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	11	0.24
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	12	0.24
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	15	0.24
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	18	0.24
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	20	0.24
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	17	0.24
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	17	0.24
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	17	0.24
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	9	0.24
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	12	0.24
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	14	0.24
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	7	0.24
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	10	0.24
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	5	0.24
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	5	0.24
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	5	0.24
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	5	0.24
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	5	0.24
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	5	0.24
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	5	0.24
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	5	0.24
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	5	0.24
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	6	0.24
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	6	0.24
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	6	0.24
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	6	0.24
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	6	0.24
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	6	0.24
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	6	0.24
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	6	0.24
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	6	0.24
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	1	0.24
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	2	0.24
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	3	0.24
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	4	0.24
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	5	0.24
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	6	0.24
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	7	0.24
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	8	0.24
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	9	0.24
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	13	0.24
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	14	0.24
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	16	0.24
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	17	0.24
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	18	0.24
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	19	0.24
(1,1302)	1:394:A:LYS:HG2	1:394:A:LYS:HB3	20	0.24
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	12	0.24
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	6	0.24
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	11	0.24
(1,1119)	1:423:A:SER:HA	1:423:A:SER:HB2	1	0.24
(1,1074)	1:340:A:MET:HG2	1:341:A:GLU:H	1	0.24
(1,1074)	1:340:A:MET:HG2	1:341:A:GLU:H	6	0.24
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	9	0.24
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	13	0.24
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	16	0.24
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	5	0.24
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	5	0.24
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	5	0.24
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	9	0.24
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	9	0.24
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	9	0.24
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	13	0.24
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	13	0.24
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	13	0.24
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	1	0.24
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	2	0.24
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	9	0.24
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	18	0.24
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	20	0.24
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	19	0.24
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	2	0.24
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	2	0.24
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	2	0.24
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	6	0.24
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	20	0.24
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	17	0.24
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	7	0.24
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	9	0.24
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	11	0.24
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	14	0.24
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	17	0.24
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	19	0.24
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	20	0.24
(1,798)	1:402:A:PRO:HB3	1:401:A:THR:HA	1	0.24
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	6	0.24
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	6	0.24
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	6	0.24
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	16	0.24
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	16	0.24
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	16	0.24
(1,688)	1:390:A:ASP:HA	1:389:A:GLU:HB3	3	0.24
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	11	0.24
(1,651)	1:445:A:THR:HB	1:446:A:PRO:HA	10	0.24
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	8	0.24
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	9	0.24
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	11	0.24
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	13	0.24
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	16	0.24
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	19	0.24
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	15	0.24
(1,563)	1:432:A:ASP:HA	1:431:A:GLY:HA3	16	0.24
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	11	0.24
(1,416)	1:376:A:PRO:HD2	1:375:A:THR:HA	10	0.24
(1,360)	1:444:A:ASN:HB2	1:443:A:ILE:HA	19	0.24
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	1	0.24
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	7	0.24
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	8	0.24
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	11	0.24
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	12	0.24
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	9	0.24
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	9	0.24
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	9	0.24
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	12	0.24
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	12	0.24
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	12	0.24
(1,301)	1:387:A:LYS:HB2	1:454:A:PHE:HZ	10	0.24
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	9	0.24
(1,285)	1:408:A:ASN:HA	1:408:A:ASN:HB3	3	0.24
(1,225)	1:358:A:LYS:HE2	1:358:A:LYS:HG2	3	0.24
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	7	0.24
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	7	0.24
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	7	0.24
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	7	0.24
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	7	0.24
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	14	0.24
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	14	0.24
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	14	0.24
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	14	0.24
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	14	0.24
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	14	0.24
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	4	0.24
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	13	0.24
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	1	0.24
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	2	0.24
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	3	0.24
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	4	0.24
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	5	0.24
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	9	0.24
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	10	0.24
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	11	0.24
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	12	0.24
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	13	0.24
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	14	0.24
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	15	0.24
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	16	0.24
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	17	0.24
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	19	0.24
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	20	0.24
(1,111)	1:423:A:SER:HA	1:425:A:TRP:H	12	0.24
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	1	0.24
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	2	0.24
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	4	0.24
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	10	0.24
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	14	0.24
(1,106)	1:431:A:GLY:HA2	1:432:A:ASP:H	5	0.24
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	2	0.24
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	2	0.24
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	2	0.24
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	15	0.24
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	3	0.24
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	8	0.24
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	9	0.24
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	18	0.24
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	19	0.24
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	2	0.24
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	4	0.24
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	6	0.24
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	14	0.24
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	15	0.24
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	19	0.24
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	5	0.24
(1,48)	1:422:A:ASP:HA	1:422:A:ASP:HB3	16	0.24
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	4	0.24
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	5	0.24
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	13	0.24
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	20	0.24
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	5	0.24
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	5	0.24
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	5	0.24
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	5	0.24
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	5	0.24
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	5	0.24
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	5	0.24
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	5	0.24
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	5	0.24
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	11	0.23
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	16	0.23
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	1	0.23
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	1	0.23
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	6	0.23
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	7	0.23
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	20	0.23
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	2	0.23
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	10	0.23
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	6	0.23
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	12	0.23
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	19	0.23
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	20	0.23
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	4	0.23
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	6	0.23
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	9	0.23
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	13	0.23
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	16	0.23
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	6	0.23
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	11	0.23
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	2	0.23
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	13	0.23
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	15	0.23
(1,4762)	1:444:A:ASN:H	1:368:A:ILE:HB	19	0.23
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	18	0.23
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	18	0.23
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	18	0.23
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	6	0.23
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	20	0.23
(1,4621)	1:400:A:GLY:H	1:399:A:ASP:H	15	0.23
(1,4598)	1:397:A:ASN:HD22	1:403:A:TYR:HB2	3	0.23
(1,4598)	1:397:A:ASN:HD22	1:403:A:TYR:HB2	9	0.23
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	17	0.23
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	15	0.23
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	19	0.23
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	20	0.23
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	9	0.23
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	2	0.23
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	9	0.23
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	19	0.23
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	14	0.23
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	18	0.23
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	13	0.23
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	20	0.23
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	4	0.23
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	9	0.23
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	11	0.23
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	15	0.23
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	20	0.23
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	3	0.23
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	7	0.23
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	11	0.23
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	15	0.23
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	3	0.23
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	5	0.23
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	9	0.23
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	13	0.23
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	15	0.23
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	17	0.23
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	20	0.23
(1,4427)	1:466:A:PHE:H	1:349:A:LEU:H	4	0.23
(1,4427)	1:466:A:PHE:H	1:349:A:LEU:H	6	0.23
(1,4427)	1:466:A:PHE:H	1:349:A:LEU:H	10	0.23
(1,4423)	1:422:A:ASP:H	1:409:A:TYR:H	1	0.23
(1,4423)	1:422:A:ASP:H	1:409:A:TYR:H	17	0.23
(1,4423)	1:422:A:ASP:H	1:409:A:TYR:H	18	0.23
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	15	0.23
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	13	0.23
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	16	0.23
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	20	0.23
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	8	0.23
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	5	0.23
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	6	0.23
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	12	0.23
(1,4355)	1:410:A:TRP:H	1:410:A:TRP:HB3	14	0.23
(1,4349)	1:419:A:GLY:H	1:442:A:CYS:HA	19	0.23
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	1	0.23
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	9	0.23
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	18	0.23
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	3	0.23
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	20	0.23
(1,4283)	1:374:A:THR:H	1:375:A:THR:H	10	0.23
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	13	0.23
(1,4250)	1:408:A:ASN:H	1:408:A:ASN:HB2	18	0.23
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	7	0.23
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	8	0.23
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	14	0.23
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	2	0.23
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	8	0.23
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	12	0.23
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	19	0.23
(1,4205)	1:444:A:ASN:H	1:444:A:ASN:HB2	10	0.23
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	14	0.23
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	11	0.23
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	13	0.23
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG21	12	0.23
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG22	12	0.23
(1,4182)	1:392:A:THR:H	1:392:A:THR:HG23	12	0.23
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	14	0.23
(1,4150)	1:432:A:ASP:H	1:433:A:LEU:HG	17	0.23
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	17	0.23
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	9	0.23
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	13	0.23
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	2	0.23
(1,4096)	1:445:A:THR:H	1:445:A:THR:HB	16	0.23
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	8	0.23
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	17	0.23
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	18	0.23
(1,4067)	1:367:A:ASP:H	1:367:A:ASP:HB2	7	0.23
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	12	0.23
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	3	0.23
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	8	0.23
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	12	0.23
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	8	0.23
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	17	0.23
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	18	0.23
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	4	0.23
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	4	0.23
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	8	0.23
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	8	0.23
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	12	0.23
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	12	0.23
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	14	0.23
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	14	0.23
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	19	0.23
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	19	0.23
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	12	0.23
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	12	0.23
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	16	0.23
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	16	0.23
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	17	0.23
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	17	0.23
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	8	0.23
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	8	0.23
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	8	0.23
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	8	0.23
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	8	0.23
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	8	0.23
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	7	0.23
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	14	0.23
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	19	0.23
(1,3816)	1:415:A:TRP:HZ3	1:415:A:TRP:HE3	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	1	0.23
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	20	0.23
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	4	0.23
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	4	0.23
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	9	0.23
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	9	0.23
(1,3709)	1:383:A:TYR:HE1	1:462:A:PRO:HB3	14	0.23
(1,3709)	1:383:A:TYR:HE2	1:462:A:PRO:HB3	14	0.23
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	6	0.23
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	10	0.23
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	4	0.23
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	4	0.23
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	8	0.23
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	8	0.23
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	12	0.23
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	12	0.23
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	14	0.23
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	14	0.23
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	19	0.23
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	19	0.23
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	2	0.23
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	2	0.23
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	16	0.23
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	16	0.23
(1,3586)	1:466:A:PHE:HE1	1:348:A:ASP:HB2	9	0.23
(1,3586)	1:466:A:PHE:HE2	1:348:A:ASP:HB2	9	0.23
(1,3578)	1:356:A:TYR:HE1	1:343:A:THR:HG21	3	0.23
(1,3578)	1:356:A:TYR:HE1	1:343:A:THR:HG22	3	0.23
(1,3578)	1:356:A:TYR:HE1	1:343:A:THR:HG23	3	0.23
(1,3578)	1:356:A:TYR:HE2	1:343:A:THR:HG21	3	0.23
(1,3578)	1:356:A:TYR:HE2	1:343:A:THR:HG22	3	0.23
(1,3578)	1:356:A:TYR:HE2	1:343:A:THR:HG23	3	0.23
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	1	0.23
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	1	0.23
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	1	0.23
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	3	0.23
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	6	0.23
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	7	0.23
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	8	0.23
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	10	0.23
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	11	0.23
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	13	0.23
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	14	0.23
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	19	0.23
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	20	0.23
(1,3556)	1:421:A:HIS:HE1	1:425:A:TRP:HZ3	12	0.23
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	13	0.23
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	13	0.23
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	13	0.23
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	5	0.23
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	5	0.23
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	5	0.23
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	2	0.23
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	4	0.23
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	5	0.23
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	1	0.23
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	4	0.23
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	8	0.23
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	9	0.23
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	15	0.23
(1,3419)	1:422:A:ASP:HA	1:423:A:SER:HB3	9	0.23
(1,3367)	1:369:A:VAL:HG21	1:370:A:SER:H	16	0.23
(1,3367)	1:369:A:VAL:HG22	1:370:A:SER:H	16	0.23
(1,3367)	1:369:A:VAL:HG23	1:370:A:SER:H	16	0.23
(1,3346)	1:387:A:LYS:HB3	1:388:A:GLU:H	8	0.23
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	20	0.23
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	20	0.23
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	20	0.23
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	5	0.23
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	12	0.23
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	10	0.23
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	3	0.23
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	3	0.23
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	3	0.23
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	9	0.23
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	9	0.23
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	9	0.23
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	17	0.23
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	17	0.23
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	17	0.23
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	20	0.23
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	20	0.23
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	3	0.23
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	3	0.23
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	3	0.23
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	18	0.23
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	18	0.23
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	18	0.23
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	4	0.23
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	14	0.23
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	8	0.23
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	6	0.23
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	11	0.23
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	19	0.23
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	10	0.23
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	10	0.23
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	10	0.23
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	12	0.23
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	12	0.23
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	12	0.23
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	14	0.23
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	14	0.23
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	14	0.23
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	18	0.23
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	18	0.23
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	18	0.23
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	20	0.23
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	20	0.23
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	20	0.23
(1,3153)	1:428:A:GLU:HG3	1:429:A:TYR:H	10	0.23
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	2	0.23
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	4	0.23
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	14	0.23
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	20	0.23
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	18	0.23
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	18	0.23
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	18	0.23
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	18	0.23
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	18	0.23
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	18	0.23
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	18	0.23
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	18	0.23
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	18	0.23
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	8	0.23
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	11	0.23
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	17	0.23
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	3	0.23
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	6	0.23
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	7	0.23
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	8	0.23
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	10	0.23
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	12	0.23
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	13	0.23
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	15	0.23
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	16	0.23
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	9	0.23
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	9	0.23
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	9	0.23
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	4	0.23
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	10	0.23
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	12	0.23
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	15	0.23
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	19	0.23
(1,2997)	1:387:A:LYS:HD2	1:387:A:LYS:H	15	0.23
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	2	0.23
(1,2977)	1:372:A:LYS:HB2	1:372:A:LYS:HG3	16	0.23
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	12	0.23
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	12	0.23
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	12	0.23
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	20	0.23
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	20	0.23
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	20	0.23
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	6	0.23
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	5	0.23
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	9	0.23
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	18	0.23
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	1	0.23
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	1	0.23
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	1	0.23
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	8	0.23
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	8	0.23
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	8	0.23
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	16	0.23
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	16	0.23
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2861)	1:407:A:VAL:HG21	1:409:A:TYR:H	6	0.23
(1,2861)	1:407:A:VAL:HG22	1:409:A:TYR:H	6	0.23
(1,2861)	1:407:A:VAL:HG23	1:409:A:TYR:H	6	0.23
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	2	0.23
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	13	0.23
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	14	0.23
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	17	0.23
(1,2848)	1:446:A:PRO:HG3	1:446:A:PRO:HA	4	0.23
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	1	0.23
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	3	0.23
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	15	0.23
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	16	0.23
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	16	0.23
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	16	0.23
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	18	0.23
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	18	0.23
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	18	0.23
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	5	0.23
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	14	0.23
(1,2783)	1:451:A:LYS:HE3	1:451:A:LYS:HG2	8	0.23
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	7	0.23
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	11	0.23
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	12	0.23
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	7	0.23
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	8	0.23
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	10	0.23
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	9	0.23
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	11	0.23
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	3	0.23
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	7	0.23
(1,2625)	1:402:A:PRO:HD3	1:401:A:THR:HA	17	0.23
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	1	0.23
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	2	0.23
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	3	0.23
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	4	0.23
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	8	0.23
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	9	0.23
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	10	0.23
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	11	0.23
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	12	0.23
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	13	0.23
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	16	0.23
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	17	0.23
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	18	0.23
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	19	0.23
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	20	0.23
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	1	0.23
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	1	0.23
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	1	0.23
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	16	0.23
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	16	0.23
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	16	0.23
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	1	0.23
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	2	0.23
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	3	0.23
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	4	0.23
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	5	0.23
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	1	0.23
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	1	0.23
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	1	0.23
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	9	0.23
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	9	0.23
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	9	0.23
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	11	0.23
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	11	0.23
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	11	0.23
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	12	0.23
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	12	0.23
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	12	0.23
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	1	0.23
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	2	0.23
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	12	0.23
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	19	0.23
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	20	0.23
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	16	0.23
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	6	0.23
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	6	0.23
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	6	0.23
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	2	0.23
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	3	0.23
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	3	0.23
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	3	0.23
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	4	0.23
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	4	0.23
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	13	0.23
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	13	0.23
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	13	0.23
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	15	0.23
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	15	0.23
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	15	0.23
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	19	0.23
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	19	0.23
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	19	0.23
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	20	0.23
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	20	0.23
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	20	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	3	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	3	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	3	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	7	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	7	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	7	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	17	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	17	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	17	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	18	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	18	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	18	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	19	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	19	0.23
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	19	0.23
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB1	3	0.23
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB2	3	0.23
(1,2372)	1:364:A:LEU:HB2	1:363:A:ALA:HB3	3	0.23
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	2	0.23
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	15	0.23
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	17	0.23
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	6	0.23
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	6	0.23
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	6	0.23
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	9	0.23
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	9	0.23
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	9	0.23
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	3	0.23
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	4	0.23
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	5	0.23
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	6	0.23
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	7	0.23
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	8	0.23
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	9	0.23
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	11	0.23
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	12	0.23
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	14	0.23
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	15	0.23
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	16	0.23
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	17	0.23
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	18	0.23
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	19	0.23
(1,2249)	1:446:A:PRO:HG3	1:446:A:PRO:HD2	20	0.23
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	2	0.23
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	2	0.23
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	2	0.23
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	11	0.23
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	11	0.23
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	11	0.23
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	2	0.23
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	10	0.23
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	13	0.23
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	15	0.23
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	16	0.23
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	15	0.23
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	15	0.23
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	15	0.23
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	15	0.23
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	15	0.23
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	15	0.23
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	15	0.23
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	15	0.23
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	15	0.23
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	20	0.23
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	20	0.23
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	20	0.23
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	20	0.23
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	20	0.23
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	20	0.23
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	20	0.23
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	20	0.23
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	15	0.23
(1,2173)	1:459:A:LYS:HB3	1:459:A:LYS:HA	20	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	1	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	2	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	3	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	4	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	5	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	6	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	7	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	8	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	9	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	10	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	11	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	12	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	13	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	14	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	15	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	16	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	17	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	18	0.23
(1,2170)	1:435:A:LYS:HB2	1:435:A:LYS:HG2	19	0.23
(1,2103)	1:402:A:PRO:HB3	1:403:A:TYR:H	19	0.23
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	5	0.23
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	6	0.23
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	10	0.23
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	13	0.23
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	14	0.23
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	15	0.23
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	16	0.23
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	19	0.23
(1,2068)	1:341:A:GLU:HB3	1:341:A:GLU:HA	1	0.23
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	10	0.23
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	3	0.23
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	15	0.23
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	5	0.23
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	6	0.23
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	11	0.23
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	13	0.23
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	7	0.23
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	8	0.23
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	10	0.23
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	15	0.23
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	16	0.23
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	18	0.23
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	3	0.23
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	4	0.23
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	7	0.23
(1,1864)	1:361:A:LYS:HE2	1:361:A:LYS:HG3	19	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	1	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	1	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	1	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	3	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	3	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	3	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	12	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	12	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	12	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	14	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	14	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	14	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	16	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	16	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	16	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	20	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	20	0.23
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	20	0.23
(1,1816)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	7	0.23
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	3	0.23
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	6	0.23
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	8	0.23
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	9	0.23
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	10	0.23
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	13	0.23
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	14	0.23
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	17	0.23
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	18	0.23
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	20	0.23
(1,1774)	1:461:A:THR:HB	1:462:A:PRO:HA	1	0.23
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	1	0.23
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	4	0.23
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	5	0.23
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	6	0.23
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	7	0.23
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	8	0.23
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	12	0.23
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	13	0.23
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	14	0.23
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	15	0.23
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	16	0.23
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	17	0.23
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	19	0.23
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	20	0.23
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	12	0.23
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	9	0.23
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	11	0.23
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	16	0.23
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	19	0.23
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	5	0.23
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	11	0.23
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	10	0.23
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	2	0.23
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	5	0.23
(1,1658)	1:446:A:PRO:HB2	1:445:A:THR:HA	17	0.23
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	1	0.23
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	12	0.23
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	5	0.23
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	13	0.23
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	17	0.23
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	18	0.23
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	20	0.23
(1,1564)	1:408:A:ASN:HA	1:408:A:ASN:HD21	10	0.23
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	1	0.23
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	7	0.23
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	5	0.23
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	7	0.23
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	8	0.23
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	11	0.23
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	15	0.23
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	18	0.23
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	19	0.23
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	16	0.23
(1,1488)	1:372:A:LYS:HB3	1:373:A:PRO:HD2	15	0.23
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	4	0.23
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	4	0.23
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	4	0.23
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	6	0.23
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	6	0.23
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	6	0.23
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	7	0.23
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	7	0.23
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	7	0.23
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	11	0.23
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	11	0.23
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	11	0.23
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	13	0.23
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	13	0.23
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	13	0.23
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	18	0.23
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	18	0.23
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	18	0.23
(1,1478)	1:435:A:LYS:HD3	1:435:A:LYS:HB3	5	0.23
(1,1453)	1:362:A:VAL:HG21	1:362:A:VAL:HA	9	0.23
(1,1453)	1:362:A:VAL:HG22	1:362:A:VAL:HA	9	0.23
(1,1453)	1:362:A:VAL:HG23	1:362:A:VAL:HA	9	0.23
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	3	0.23
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	4	0.23
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	9	0.23
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	16	0.23
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	5	0.23
(1,1355)	1:396:A:THR:HG21	1:400:A:GLY:HA2	13	0.23
(1,1355)	1:396:A:THR:HG22	1:400:A:GLY:HA2	13	0.23
(1,1355)	1:396:A:THR:HG23	1:400:A:GLY:HA2	13	0.23
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	2	0.23
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	4	0.23
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	19	0.23
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	16	0.23
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	17	0.23
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	16	0.23
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	16	0.23
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	16	0.23
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	16	0.23
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	16	0.23
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	16	0.23
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	16	0.23
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	16	0.23
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	5	0.23
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	8	0.23
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	9	0.23
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	12	0.23
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	15	0.23
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	17	0.23
(1,1167)	1:340:A:MET:HG2	1:340:A:MET:HB3	7	0.23
(1,1074)	1:340:A:MET:HG2	1:341:A:GLU:H	16	0.23
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	13	0.23
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	15	0.23
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	11	0.23
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	1	0.23
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	1	0.23
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	1	0.23
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	8	0.23
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	8	0.23
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	8	0.23
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	15	0.23
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	15	0.23
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	15	0.23
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	17	0.23
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	17	0.23
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	17	0.23
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	1	0.23
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	2	0.23
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	1	0.23
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	1	0.23
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	1	0.23
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	8	0.23
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	8	0.23
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	8	0.23
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	16	0.23
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	16	0.23
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	16	0.23
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	3	0.23
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	4	0.23
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	6	0.23
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	10	0.23
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	11	0.23
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	15	0.23
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	16	0.23
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	17	0.23
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	18	0.23
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	19	0.23
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	20	0.23
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	5	0.23
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	7	0.23
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	7	0.23
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	7	0.23
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	10	0.23
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	10	0.23
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	10	0.23
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	13	0.23
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	13	0.23
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	13	0.23
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	4	0.23
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	7	0.23
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	9	0.23
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	7	0.23
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	7	0.23
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	7	0.23
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	11	0.23
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	11	0.23
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	11	0.23
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	4	0.23
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	12	0.23
(1,819)	1:372:A:LYS:HG3	1:372:A:LYS:HB3	11	0.23
(1,758)	1:339:A:HIS:HB3	1:339:A:HIS:HA	17	0.23
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	19	0.23
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	19	0.23
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	19	0.23
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	19	0.23
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	19	0.23
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	19	0.23
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	19	0.23
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	19	0.23
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	19	0.23
(1,730)	1:404:A:GLU:HA	1:404:A:GLU:HG3	9	0.23
(1,720)	1:342:A:ASP:HB2	1:344:A:TYR:H	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	6	0.23
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	6	0.23
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	6	0.23
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	12	0.23
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	12	0.23
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	12	0.23
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	13	0.23
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	13	0.23
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	13	0.23
(1,688)	1:390:A:ASP:HA	1:389:A:GLU:HB3	4	0.23
(1,688)	1:390:A:ASP:HA	1:389:A:GLU:HB3	14	0.23
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	7	0.23
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	1	0.23
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	3	0.23
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	5	0.23
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	6	0.23
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	7	0.23
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	10	0.23
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	12	0.23
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	14	0.23
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	15	0.23
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	17	0.23
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	14	0.23
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	14	0.23
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	14	0.23
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	9	0.23
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	17	0.23
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	20	0.23
(1,561)	1:372:A:LYS:HG2	1:372:A:LYS:HA	20	0.23
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD1	9	0.23
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD2	9	0.23
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD1	9	0.23
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD2	9	0.23
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD1	9	0.23
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD2	9	0.23
(1,399)	1:358:A:LYS:HD3	1:358:A:LYS:HG3	3	0.23
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	16	0.23
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	16	0.23
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	16	0.23
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	4	0.23
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	2	0.23
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	2	0.23
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	11	0.23
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	11	0.23
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	11	0.23
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	1	0.23
(1,285)	1:408:A:ASN:HA	1:408:A:ASN:HB3	13	0.23
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	10	0.23
(1,225)	1:358:A:LYS:HE2	1:358:A:LYS:HG2	2	0.23
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	11	0.23
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	11	0.23
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	11	0.23
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	11	0.23
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	11	0.23
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	11	0.23
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	16	0.23
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	16	0.23
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	16	0.23
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	16	0.23
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	16	0.23
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	16	0.23
(1,202)	1:459:A:LYS:HG3	1:459:A:LYS:HB2	1	0.23
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	8	0.23
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	8	0.23
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	8	0.23
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	20	0.23
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	20	0.23
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	20	0.23
(1,150)	1:373:A:PRO:HA	1:373:A:PRO:HB3	18	0.23
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	9	0.23
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	9	0.23
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	9	0.23
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	9	0.23
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	10	0.23
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	19	0.23
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	13	0.23
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	17	0.23
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	20	0.23
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	1	0.23
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	3	0.23
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	5	0.23
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	10	0.23
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	16	0.23
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	17	0.23
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	18	0.23
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	20	0.23
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	11	0.23
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	17	0.23
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	17	0.23
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	17	0.23
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	17	0.23
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	17	0.23
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	17	0.23
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	17	0.23
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	17	0.23
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	17	0.23
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	11	0.22
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	14	0.22
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	17	0.22
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	17	0.22
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	6	0.22
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	6	0.22
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	6	0.22
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	11	0.22
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	11	0.22
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	11	0.22
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	14	0.22
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	14	0.22
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	14	0.22
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	4	0.22
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	20	0.22
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	10	0.22
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	11	0.22
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	13	0.22
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	16	0.22
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	1	0.22
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	1	0.22
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	1	0.22
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	8	0.22
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	8	0.22
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	8	0.22
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	18	0.22
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	17	0.22
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	14	0.22
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	12	0.22
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	4	0.22
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	12	0.22
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	18	0.22
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	1	0.22
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	5	0.22
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	10	0.22
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	14	0.22
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	2	0.22
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	14	0.22
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	15	0.22
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	19	0.22
(1,4797)	1:430:A:GLY:H	1:429:A:TYR:HA	20	0.22
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	2	0.22
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	5	0.22
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	2	0.22
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	5	0.22
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	6	0.22
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	19	0.22
(1,4762)	1:444:A:ASN:H	1:368:A:ILE:HB	20	0.22
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	8	0.22
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	8	0.22
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	8	0.22
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	13	0.22
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	13	0.22
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	13	0.22
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	14	0.22
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	14	0.22
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	14	0.22
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	3	0.22
(1,4621)	1:400:A:GLY:H	1:399:A:ASP:H	10	0.22
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	14	0.22
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	9	0.22
(1,4568)	1:438:A:GLY:H	1:439:A:SER:H	17	0.22
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	4	0.22
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	12	0.22
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	18	0.22
(1,4527)	1:441:A:GLY:H	1:439:A:SER:H	10	0.22
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	17	0.22
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	8	0.22
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	5	0.22
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	6	0.22
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	7	0.22
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	11	0.22
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	13	0.22
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	15	0.22
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	17	0.22
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	18	0.22
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	20	0.22
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	9	0.22
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	16	0.22
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	20	0.22
(1,4447)	1:387:A:LYS:H	1:459:A:LYS:HG2	15	0.22
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	11	0.22
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	20	0.22
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	2	0.22
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	8	0.22
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	10	0.22
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	11	0.22
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	12	0.22
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	14	0.22
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	16	0.22
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	19	0.22
(1,4427)	1:466:A:PHE:H	1:349:A:LEU:H	8	0.22
(1,4410)	1:426:A:GLN:H	1:425:A:TRP:HD1	4	0.22
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	9	0.22
(1,4407)	1:439:A:SER:H	1:438:A:GLY:H	17	0.22
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	6	0.22
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	10	0.22
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	1	0.22
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	10	0.22
(1,4369)	1:408:A:ASN:H	1:407:A:VAL:HA	13	0.22
(1,4349)	1:419:A:GLY:H	1:442:A:CYS:HA	5	0.22
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	6	0.22
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	6	0.22
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	6	0.22
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	4	0.22
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	1	0.22
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	4	0.22
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	9	0.22
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	11	0.22
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	16	0.22
(1,4283)	1:374:A:THR:H	1:375:A:THR:H	1	0.22
(1,4261)	1:460:A:GLY:H	1:461:A:THR:H	5	0.22
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	6	0.22
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	4	0.22
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	6	0.22
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	18	0.22
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	19	0.22
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD1	12	0.22
(1,4195)	1:397:A:ASN:H	1:403:A:TYR:HD2	12	0.22
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE1	13	0.22
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE2	13	0.22
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE1	18	0.22
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE2	18	0.22
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE1	20	0.22
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE2	20	0.22
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	14	0.22
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	16	0.22
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	14	0.22
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	16	0.22
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	19	0.22
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	4	0.22
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	19	0.22
(1,4097)	1:425:A:TRP:HE1	1:423:A:SER:HB3	8	0.22
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	1	0.22
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	2	0.22
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	4	0.22
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	10	0.22
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	11	0.22
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	12	0.22
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	6	0.22
(1,3996)	1:396:A:THR:H	1:403:A:TYR:H	8	0.22
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	1	0.22
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	2	0.22
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	4	0.22
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	10	0.22
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	11	0.22
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	12	0.22
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	2	0.22
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	2	0.22
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	5	0.22
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	9	0.22
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	9	0.22
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	16	0.22
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	16	0.22
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	17	0.22
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	17	0.22
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	15	0.22
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	15	0.22
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	15	0.22
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	15	0.22
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	15	0.22
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	15	0.22
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	2	0.22
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	2	0.22
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	6	0.22
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	6	0.22
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	8	0.22
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	8	0.22
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	11	0.22
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	11	0.22
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	20	0.22
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	20	0.22
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	5	0.22
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	10	0.22
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	10	0.22
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	10	0.22
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	10	0.22
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	10	0.22
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	10	0.22
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	12	0.22
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	12	0.22
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	12	0.22
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	12	0.22
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	12	0.22
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	12	0.22
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	12	0.22
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	12	0.22
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	12	0.22
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	12	0.22
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	12	0.22
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	12	0.22
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	18	0.22
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	18	0.22
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	18	0.22
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	18	0.22
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	18	0.22
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	5	0.22
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	7	0.22
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	8	0.22
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	9	0.22
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	17	0.22
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	1	0.22
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	1	0.22
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	2	0.22
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	2	0.22
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	5	0.22
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	5	0.22
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	6	0.22
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	6	0.22
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	8	0.22
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	8	0.22
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	13	0.22
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	13	0.22
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	15	0.22
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	15	0.22
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	16	0.22
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	16	0.22
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	17	0.22
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	17	0.22
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	19	0.22
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	19	0.22
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	20	0.22
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	20	0.22
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	13	0.22
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	13	0.22
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	14	0.22
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	14	0.22
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	3	0.22
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	15	0.22
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	20	0.22
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	11	0.22
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	4	0.22
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	4	0.22
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	8	0.22
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	8	0.22
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	8	0.22
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG11	18	0.22
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG12	18	0.22
(1,3686)	1:425:A:TRP:HZ3	1:407:A:VAL:HG13	18	0.22
(1,3620)	1:357:A:TYR:HD1	1:357:A:TYR:H	14	0.22
(1,3620)	1:357:A:TYR:HD2	1:357:A:TYR:H	14	0.22
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	2	0.22
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	2	0.22
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	5	0.22
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	5	0.22
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	9	0.22
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	9	0.22
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	16	0.22
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	16	0.22
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	17	0.22
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	17	0.22
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	14	0.22
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	14	0.22
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	17	0.22
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	17	0.22
(1,3586)	1:466:A:PHE:HE1	1:348:A:ASP:HB2	7	0.22
(1,3586)	1:466:A:PHE:HE2	1:348:A:ASP:HB2	7	0.22
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	1	0.22
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	1	0.22
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	2	0.22
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	2	0.22
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	2	0.22
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	5	0.22
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	9	0.22
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	15	0.22
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	16	0.22
(1,3562)	1:425:A:TRP:HD1	1:425:A:TRP:HE3	17	0.22
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	11	0.22
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	11	0.22
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	11	0.22
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	15	0.22
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	15	0.22
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	15	0.22
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	18	0.22
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	18	0.22
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	1	0.22
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	1	0.22
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	1	0.22
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	12	0.22
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	12	0.22
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	12	0.22
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	13	0.22
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	13	0.22
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	13	0.22
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	3	0.22
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	6	0.22
(1,3521)	1:453:A:LEU:HA	1:454:A:PHE:H	7	0.22
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	7	0.22
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	12	0.22
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	19	0.22
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	3	0.22
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	3	0.22
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	3	0.22
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	17	0.22
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	17	0.22
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	17	0.22
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	18	0.22
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	18	0.22
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	18	0.22
(1,3419)	1:422:A:ASP:HA	1:423:A:SER:HB3	15	0.22
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	6	0.22
(1,3367)	1:369:A:VAL:HG21	1:370:A:SER:H	3	0.22
(1,3367)	1:369:A:VAL:HG22	1:370:A:SER:H	3	0.22
(1,3367)	1:369:A:VAL:HG23	1:370:A:SER:H	3	0.22
(1,3367)	1:369:A:VAL:HG21	1:370:A:SER:H	13	0.22
(1,3367)	1:369:A:VAL:HG22	1:370:A:SER:H	13	0.22
(1,3367)	1:369:A:VAL:HG23	1:370:A:SER:H	13	0.22
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	15	0.22
(1,3351)	1:340:A:MET:HB3	1:340:A:MET:HA	17	0.22
(1,3346)	1:387:A:LYS:HB3	1:388:A:GLU:H	13	0.22
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	1	0.22
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	1	0.22
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	1	0.22
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	6	0.22
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	6	0.22
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	8	0.22
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	8	0.22
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	8	0.22
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	14	0.22
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	14	0.22
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	14	0.22
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	18	0.22
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	18	0.22
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	18	0.22
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	19	0.22
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	19	0.22
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	19	0.22
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	6	0.22
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	10	0.22
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	9	0.22
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	2	0.22
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	2	0.22
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	2	0.22
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	14	0.22
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	14	0.22
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	14	0.22
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	18	0.22
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	18	0.22
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	18	0.22
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	19	0.22
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	19	0.22
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	19	0.22
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	4	0.22
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	10	0.22
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	11	0.22
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	8	0.22
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	19	0.22
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	1	0.22
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	7	0.22
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	9	0.22
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	14	0.22
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	17	0.22
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	18	0.22
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE1	6	0.22
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE2	6	0.22
(1,3186)	1:340:A:MET:HB2	1:340:A:MET:HE3	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	1	0.22
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	9	0.22
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	11	0.22
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	18	0.22
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	19	0.22
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	4	0.22
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	5	0.22
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	13	0.22
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	19	0.22
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	6	0.22
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	6	0.22
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	6	0.22
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	6	0.22
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	6	0.22
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	6	0.22
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	6	0.22
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	6	0.22
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	6	0.22
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	10	0.22
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	10	0.22
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	10	0.22
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	10	0.22
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	10	0.22
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	10	0.22
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	10	0.22
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	10	0.22
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	10	0.22
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	15	0.22
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	15	0.22
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	15	0.22
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	15	0.22
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	15	0.22
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	15	0.22
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	15	0.22
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	15	0.22
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	15	0.22
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	17	0.22
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	17	0.22
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	17	0.22
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	17	0.22
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	17	0.22
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	17	0.22
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	17	0.22
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	17	0.22
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	9	0.22
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	10	0.22
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	14	0.22
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	16	0.22
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	2	0.22
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	4	0.22
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	9	0.22
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	17	0.22
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	18	0.22
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	19	0.22
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	13	0.22
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	13	0.22
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	13	0.22
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	3	0.22
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	6	0.22
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	11	0.22
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	17	0.22
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	3	0.22
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	14	0.22
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	14	0.22
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	14	0.22
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	16	0.22
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	16	0.22
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	16	0.22
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	19	0.22
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	7	0.22
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	16	0.22
(1,2923)	1:393:A:LEU:HA	1:394:A:LYS:H	17	0.22
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	6	0.22
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	6	0.22
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	6	0.22
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	11	0.22
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	11	0.22
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	11	0.22
(1,2850)	1:376:A:PRO:HD2	1:375:A:THR:HB	20	0.22
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	12	0.22
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	14	0.22
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	11	0.22
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	11	0.22
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	9	0.22
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	17	0.22
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	18	0.22
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	20	0.22
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	4	0.22
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	5	0.22
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	7	0.22
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	17	0.22
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	20	0.22
(1,2739)	1:405:A:SER:HA	1:404:A:GLU:H	10	0.22
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	2	0.22
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	6	0.22
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	19	0.22
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	1	0.22
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	7	0.22
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	19	0.22
(1,2613)	1:361:A:LYS:HD2	1:361:A:LYS:HE3	4	0.22
(1,2612)	1:361:A:LYS:HD3	1:361:A:LYS:HA	8	0.22
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	5	0.22
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	6	0.22
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	7	0.22
(1,2583)	1:456:A:MET:HA	1:456:A:MET:HB3	15	0.22
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	4	0.22
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	4	0.22
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	4	0.22
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	8	0.22
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	8	0.22
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	8	0.22
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	1	0.22
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	9	0.22
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	10	0.22
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	11	0.22
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	13	0.22
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	15	0.22
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	17	0.22
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	18	0.22
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	19	0.22
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	20	0.22
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	19	0.22
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	19	0.22
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	2	0.22
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	2	0.22
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	3	0.22
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	4	0.22
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	5	0.22
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	6	0.22
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	7	0.22
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	9	0.22
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	10	0.22
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	12	0.22
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	13	0.22
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	14	0.22
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	17	0.22
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	18	0.22
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	19	0.22
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	20	0.22
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	9	0.22
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	9	0.22
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	9	0.22
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	14	0.22
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	4	0.22
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	7	0.22
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	7	0.22
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	7	0.22
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	14	0.22
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	14	0.22
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	14	0.22
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	17	0.22
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	17	0.22
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	17	0.22
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	18	0.22
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	18	0.22
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	18	0.22
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	9	0.22
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	9	0.22
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	9	0.22
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	10	0.22
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	10	0.22
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	10	0.22
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	15	0.22
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	15	0.22
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	1	0.22
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	1	0.22
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	1	0.22
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	2	0.22
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	2	0.22
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	2	0.22
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	6	0.22
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	6	0.22
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	6	0.22
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	8	0.22
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	8	0.22
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	8	0.22
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	9	0.22
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	9	0.22
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	9	0.22
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	12	0.22
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	12	0.22
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	12	0.22
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	4	0.22
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	4	0.22
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	4	0.22
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	7	0.22
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	7	0.22
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	7	0.22
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	4	0.22
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	1	0.22
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	1	0.22
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	1	0.22
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	3	0.22
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	3	0.22
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	3	0.22
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	8	0.22
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	8	0.22
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	8	0.22
(1,2251)	1:350:A:GLU:HG2	1:350:A:GLU:H	17	0.22
(1,2229)	1:343:A:THR:HG21	1:343:A:THR:HA	5	0.22
(1,2229)	1:343:A:THR:HG22	1:343:A:THR:HA	5	0.22
(1,2229)	1:343:A:THR:HG23	1:343:A:THR:HA	5	0.22
(1,2211)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	2	0.22
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	11	0.22
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	12	0.22
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	3	0.22
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	9	0.22
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	15	0.22
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	7	0.22
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	7	0.22
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	7	0.22
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	7	0.22
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	7	0.22
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	7	0.22
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	7	0.22
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	7	0.22
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	7	0.22
(1,2177)	1:367:A:ASP:HB2	1:368:A:ILE:H	3	0.22
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	2	0.22
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	7	0.22
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	11	0.22
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	14	0.22
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	4	0.22
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	16	0.22
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	2	0.22
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	11	0.22
(1,1873)	1:344:A:TYR:HA	1:345:A:ILE:HB	14	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	4	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	4	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	4	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	5	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	5	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	5	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	8	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	8	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	8	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	10	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	10	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	10	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	11	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	11	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	11	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	15	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	15	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	15	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	17	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	17	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	18	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	18	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	18	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	19	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	19	0.22
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	19	0.22
(1,1834)	1:402:A:PRO:HB2	1:401:A:THR:HA	20	0.22
(1,1816)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	5	0.22
(1,1816)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	10	0.22
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	1	0.22
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	2	0.22
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	7	0.22
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	12	0.22
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	15	0.22
(1,1802)	1:420:A:ILE:HB	1:420:A:ILE:HG12	19	0.22
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	2	0.22
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	11	0.22
(1,1721)	1:427:A:PRO:HG3	1:427:A:PRO:HB3	18	0.22
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	11	0.22
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	13	0.22
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	1	0.22
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	6	0.22
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	13	0.22
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	14	0.22
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	18	0.22
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	20	0.22
(1,1702)	1:427:A:PRO:HD2	1:427:A:PRO:HG3	9	0.22
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	17	0.22
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	13	0.22
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	11	0.22
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	13	0.22
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	8	0.22
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	13	0.22
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	16	0.22
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	19	0.22
(1,1564)	1:408:A:ASN:HA	1:408:A:ASN:HD21	16	0.22
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	3	0.22
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	6	0.22
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	10	0.22
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	11	0.22
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	15	0.22
(1,1551)	1:466:A:PHE:HB3	1:466:A:PHE:HA	17	0.22
(1,1525)	1:372:A:LYS:HD3	1:372:A:LYS:HG3	11	0.22
(1,1518)	1:364:A:LEU:HB3	1:364:A:LEU:HG	9	0.22
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	8	0.22
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	19	0.22
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	1	0.22
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	1	0.22
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	1	0.22
(1,1485)	1:443:A:ILE:HG21	1:443:A:ILE:HA	15	0.22
(1,1485)	1:443:A:ILE:HG22	1:443:A:ILE:HA	15	0.22
(1,1485)	1:443:A:ILE:HG23	1:443:A:ILE:HA	15	0.22
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	10	0.22
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	14	0.22
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	13	0.22
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	13	0.22
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	13	0.22
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	7	0.22
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	12	0.22
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	19	0.22
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	2	0.22
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	4	0.22
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	5	0.22
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	13	0.22
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	17	0.22
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	19	0.22
(1,1410)	1:351:A:ASN:HB2	1:351:A:ASN:HA	5	0.22
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	7	0.22
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	10	0.22
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	13	0.22
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	14	0.22
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	15	0.22
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	11	0.22
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	11	0.22
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	11	0.22
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	14	0.22
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	14	0.22
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	14	0.22
(1,1373)	1:386:A:ASN:HA	1:387:A:LYS:HB3	8	0.22
(1,1373)	1:386:A:ASN:HA	1:387:A:LYS:HB3	18	0.22
(1,1373)	1:386:A:ASN:HA	1:387:A:LYS:HB3	19	0.22
(1,1355)	1:396:A:THR:HG21	1:400:A:GLY:HA2	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1355)	1:396:A:THR:HG22	1:400:A:GLY:HA2	5	0.22
(1,1355)	1:396:A:THR:HG23	1:400:A:GLY:HA2	5	0.22
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	3	0.22
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	8	0.22
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	16	0.22
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	18	0.22
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	2	0.22
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	6	0.22
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	15	0.22
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	20	0.22
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	7	0.22
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	8	0.22
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	13	0.22
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	16	0.22
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	19	0.22
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	4	0.22
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	10	0.22
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	13	0.22
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	19	0.22
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	20	0.22
(1,1167)	1:340:A:MET:HG2	1:340:A:MET:HB3	2	0.22
(1,1167)	1:340:A:MET:HG2	1:340:A:MET:HB3	9	0.22
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	16	0.22
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	18	0.22
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	9	0.22
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	11	0.22
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	14	0.22
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	20	0.22
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	2	0.22
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	2	0.22
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	2	0.22
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	19	0.22
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	2	0.22
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	2	0.22
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	2	0.22
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	4	0.22
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	4	0.22
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	4	0.22
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	5	0.22
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	8	0.22
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	6	0.22
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	6	0.22
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	11	0.22
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	11	0.22
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	11	0.22
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	5	0.22
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	7	0.22
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	12	0.22
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	13	0.22
(1,984)	1:355:A:TRP:HB2	1:355:A:TRP:HD1	14	0.22
(1,981)	1:388:A:GLU:HG3	1:388:A:GLU:HA	1	0.22
(1,951)	1:402:A:PRO:HG3	1:401:A:THR:HA	4	0.22
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	1	0.22
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	10	0.22
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	11	0.22
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	17	0.22
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	3	0.22
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	3	0.22
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	3	0.22
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	6	0.22
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	6	0.22
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	6	0.22
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	11	0.22
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	11	0.22
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	11	0.22
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	12	0.22
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	15	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	1	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	1	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	1	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	5	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	5	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	5	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	8	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	8	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	8	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	13	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	13	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	13	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	18	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	18	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	18	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	20	0.22
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	20	0.22
(1,743)	1:389:A:GLU:HG3	1:389:A:GLU:H	2	0.22
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	3	0.22
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	3	0.22
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	3	0.22
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	6	0.22
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	6	0.22
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	6	0.22
(1,688)	1:390:A:ASP:HA	1:389:A:GLU:HB3	2	0.22
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	4	0.22
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	9	0.22
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	17	0.22
(1,659)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	14	0.22
(1,659)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	19	0.22
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	2	0.22
(1,646)	1:432:A:ASP:HA	1:432:A:ASP:HB3	20	0.22
(1,612)	1:391:A:ALA:HB1	1:392:A:THR:H	12	0.22
(1,612)	1:391:A:ALA:HB2	1:392:A:THR:H	12	0.22
(1,612)	1:391:A:ALA:HB3	1:392:A:THR:H	12	0.22
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	3	0.22
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	20	0.22
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	6	0.22
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	18	0.22
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	4	0.22
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	2	0.22
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD1	4	0.22
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD2	4	0.22
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD1	4	0.22
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD2	4	0.22
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD1	4	0.22
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD2	4	0.22
(1,399)	1:358:A:LYS:HD3	1:358:A:LYS:HG3	2	0.22
(1,399)	1:358:A:LYS:HD3	1:358:A:LYS:HG3	12	0.22
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	4	0.22
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	4	0.22
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	4	0.22
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	2	0.22
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	3	0.22
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	5	0.22
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	6	0.22
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	13	0.22
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	14	0.22
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	15	0.22
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	17	0.22
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	18	0.22
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	19	0.22
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	20	0.22
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG21	5	0.22
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG22	5	0.22
(1,323)	1:343:A:THR:HA	1:343:A:THR:HG23	5	0.22
(1,285)	1:408:A:ASN:HA	1:408:A:ASN:HB3	10	0.22
(1,242)	1:427:A:PRO:HG3	1:427:A:PRO:HD2	9	0.22
(1,225)	1:358:A:LYS:HE2	1:358:A:LYS:HG2	12	0.22
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	2	0.22
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	6	0.22
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	1	0.22
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	1	0.22
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	1	0.22
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	8	0.22
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	8	0.22
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	8	0.22
(1,111)	1:423:A:SER:HA	1:425:A:TRP:H	7	0.22
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	16	0.22
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	16	0.22
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	16	0.22
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	11	0.22
(1,96)	1:462:A:PRO:HG2	1:461:A:THR:HA	16	0.22
(1,87)	1:408:A:ASN:HB2	1:408:A:ASN:HA	3	0.22
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	1	0.22
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	9	0.22
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	15	0.22
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	1	0.22
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	1	0.22
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	1	0.22
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	1	0.22
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	1	0.22
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	1	0.22
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	1	0.22
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	1	0.22
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	1	0.22
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	4	0.22
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	4	0.22
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	4	0.22
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	4	0.22
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	4	0.22
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	4	0.22
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	4	0.22
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	4	0.22
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	14	0.22
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	14	0.22
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	14	0.22
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	14	0.22
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	14	0.22
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	14	0.22
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	14	0.22
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	14	0.22
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	14	0.22
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	3	0.21
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	4	0.21
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	5	0.21
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	6	0.21
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	7	0.21
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	8	0.21
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	10	0.21
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	13	0.21
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	15	0.21
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	18	0.21
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	20	0.21
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	15	0.21
(1,4976)	1:408:A:ASN:HD22	1:407:A:VAL:HA	20	0.21
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG21	7	0.21
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG22	7	0.21
(1,4974)	1:434:A:TRP:H	1:369:A:VAL:HG23	7	0.21
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	5	0.21
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	5	0.21
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	7	0.21
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	7	0.21
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	9	0.21
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	14	0.21
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	20	0.21
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	2	0.21
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	2	0.21
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	2	0.21
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	17	0.21
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	10	0.21
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	14	0.21
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	16	0.21
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	15	0.21
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	2	0.21
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	9	0.21
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	7	0.21
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	14	0.21
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	1	0.21
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	17	0.21
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	6	0.21
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	7	0.21
(1,4634)	1:359:A:ASP:H	1:358:A:LYS:HG3	2	0.21
(1,4604)	1:343:A:THR:H	1:343:A:THR:HB	5	0.21
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	11	0.21
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	19	0.21
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	7	0.21
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	14	0.21
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	15	0.21
(1,4527)	1:441:A:GLY:H	1:439:A:SER:H	16	0.21
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	1	0.21
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	7	0.21
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	10	0.21
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	10	0.21
(1,4483)	1:454:A:PHE:H	1:455:A:GLY:H	13	0.21
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	11	0.21
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	18	0.21
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	4	0.21
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	10	0.21
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	12	0.21
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	14	0.21
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	16	0.21
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	19	0.21
(1,4463)	1:387:A:LYS:H	1:459:A:LYS:HE2	8	0.21
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	1	0.21
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	2	0.21
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	8	0.21
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	9	0.21
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	13	0.21
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	13	0.21
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	18	0.21
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	5	0.21
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	5	0.21
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	5	0.21
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	1	0.21
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	6	0.21
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	7	0.21
(1,4427)	1:466:A:PHE:H	1:349:A:LEU:H	3	0.21
(1,4423)	1:422:A:ASP:H	1:409:A:TYR:H	8	0.21
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	1	0.21
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	2	0.21
(1,4349)	1:419:A:GLY:H	1:442:A:CYS:HA	1	0.21
(1,4348)	1:350:A:GLU:H	1:349:A:LEU:HG	5	0.21
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	10	0.21
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	10	0.21
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	10	0.21
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	6	0.21
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	15	0.21
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	8	0.21
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	10	0.21
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	12	0.21
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	13	0.21
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	14	0.21
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	17	0.21
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	18	0.21
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	19	0.21
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	15	0.21
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	10	0.21
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	20	0.21
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG11	5	0.21
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG12	5	0.21
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG13	5	0.21
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG11	9	0.21
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG12	9	0.21
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG13	9	0.21
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	12	0.21
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	6	0.21
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	9	0.21
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	7	0.21
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	20	0.21
(1,4022)	1:351:A:ASN:H	1:351:A:ASN:HD21	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	5	0.21
(1,4014)	1:340:A:MET:H	1:339:A:HIS:HA	15	0.21
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	8	0.21
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	5	0.21
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	16	0.21
(1,3958)	1:424:A:ASP:H	1:424:A:ASP:HB3	17	0.21
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	7	0.21
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	20	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	1	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	1	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	3	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	3	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	6	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	6	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	7	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	7	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	10	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	10	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	11	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	11	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	13	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	13	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	15	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	15	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	18	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	18	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE1	20	0.21
(1,3899)	1:382:A:PHE:HZ	1:382:A:PHE:HE2	20	0.21
(1,3898)	1:466:A:PHE:HE1	1:346:A:GLU:HB3	1	0.21
(1,3898)	1:466:A:PHE:HE2	1:346:A:GLU:HB3	1	0.21
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	5	0.21
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	5	0.21
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	5	0.21
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	5	0.21
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	5	0.21
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	5	0.21
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	4	0.21
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	4	0.21
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	10	0.21
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	10	0.21
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	20	0.21
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	12	0.21
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	12	0.21
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	19	0.21
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	19	0.21
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	3	0.21
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	3	0.21
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	3	0.21
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	3	0.21
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	3	0.21
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	3	0.21
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	13	0.21
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	13	0.21
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	13	0.21
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	13	0.21
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	13	0.21
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	13	0.21
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	15	0.21
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	15	0.21
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	15	0.21
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	15	0.21
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	15	0.21
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	15	0.21
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	17	0.21
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	17	0.21
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	17	0.21
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	17	0.21
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	17	0.21
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	17	0.21
(1,3819)	1:425:A:TRP:HE3	1:425:A:TRP:HA	12	0.21
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	15	0.21
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	15	0.21
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	15	0.21
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	9	0.21
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	9	0.21
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	9	0.21
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	9	0.21
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	9	0.21
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	9	0.21
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	11	0.21
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	11	0.21
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	11	0.21
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	11	0.21
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	11	0.21
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	20	0.21
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	20	0.21
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	20	0.21
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	20	0.21
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	20	0.21
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	20	0.21
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	13	0.21
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	18	0.21
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	19	0.21
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	11	0.21
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	11	0.21
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	18	0.21
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	18	0.21
(1,3776)	1:383:A:TYR:HD1	1:462:A:PRO:HG3	3	0.21
(1,3776)	1:383:A:TYR:HD2	1:462:A:PRO:HG3	3	0.21
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	1	0.21
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	2	0.21
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	4	0.21
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	5	0.21
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	7	0.21
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	8	0.21
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	9	0.21
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	10	0.21
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	11	0.21
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	12	0.21
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	13	0.21
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	14	0.21
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	16	0.21
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	17	0.21
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	18	0.21
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	19	0.21
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	2	0.21
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	2	0.21
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	1	0.21
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	1	0.21
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	1	0.21
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	1	0.21
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	1	0.21
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	1	0.21
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	14	0.21
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	14	0.21
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	14	0.21
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	14	0.21
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	14	0.21
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	1	0.21
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	1	0.21
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	3	0.21
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	3	0.21
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	6	0.21
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	6	0.21
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	7	0.21
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	7	0.21
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	10	0.21
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	10	0.21
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	11	0.21
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	11	0.21
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	13	0.21
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	13	0.21
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	15	0.21
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	15	0.21
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	18	0.21
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	18	0.21
(1,3616)	1:382:A:PHE:HE1	1:382:A:PHE:HZ	20	0.21
(1,3616)	1:382:A:PHE:HE2	1:382:A:PHE:HZ	20	0.21
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	3	0.21
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	3	0.21
(1,3586)	1:466:A:PHE:HE1	1:348:A:ASP:HB2	15	0.21
(1,3586)	1:466:A:PHE:HE2	1:348:A:ASP:HB2	15	0.21
(1,3578)	1:356:A:TYR:HE1	1:343:A:THR:HG21	12	0.21
(1,3578)	1:356:A:TYR:HE1	1:343:A:THR:HG22	12	0.21
(1,3578)	1:356:A:TYR:HE1	1:343:A:THR:HG23	12	0.21
(1,3578)	1:356:A:TYR:HE2	1:343:A:THR:HG21	12	0.21
(1,3578)	1:356:A:TYR:HE2	1:343:A:THR:HG22	12	0.21
(1,3578)	1:356:A:TYR:HE2	1:343:A:THR:HG23	12	0.21
(1,3577)	1:403:A:TYR:HD1	1:395:A:GLY:HA2	20	0.21
(1,3577)	1:403:A:TYR:HD2	1:395:A:GLY:HA2	20	0.21
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	13	0.21
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	13	0.21
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	20	0.21
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	20	0.21
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	14	0.21
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	14	0.21
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	16	0.21
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	16	0.21
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	16	0.21
(1,3525)	1:355:A:TRP:HE3	1:354:A:MET:HA	15	0.21
(1,3513)	1:394:A:LYS:HB3	1:394:A:LYS:HE3	12	0.21
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	9	0.21
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	20	0.21
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	20	0.21
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	3	0.21
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	4	0.21
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	5	0.21
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	12	0.21
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	13	0.21
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	4	0.21
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	4	0.21
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	4	0.21
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	6	0.21
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	6	0.21
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	6	0.21
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	7	0.21
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	7	0.21
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	7	0.21
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	14	0.21
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	14	0.21
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	14	0.21
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	15	0.21
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	15	0.21
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	15	0.21
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	3	0.21
(1,3367)	1:369:A:VAL:HG21	1:370:A:SER:H	5	0.21
(1,3367)	1:369:A:VAL:HG22	1:370:A:SER:H	5	0.21
(1,3367)	1:369:A:VAL:HG23	1:370:A:SER:H	5	0.21
(1,3367)	1:369:A:VAL:HG21	1:370:A:SER:H	14	0.21
(1,3367)	1:369:A:VAL:HG22	1:370:A:SER:H	14	0.21
(1,3367)	1:369:A:VAL:HG23	1:370:A:SER:H	14	0.21
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	3	0.21
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	3	0.21
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	3	0.21
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	4	0.21
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	4	0.21
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	5	0.21
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	5	0.21
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	5	0.21
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	9	0.21
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	9	0.21
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	9	0.21
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	10	0.21
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	10	0.21
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	10	0.21
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	11	0.21
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	11	0.21
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	11	0.21
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	12	0.21
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	12	0.21
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	12	0.21
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	13	0.21
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	13	0.21
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	13	0.21
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	15	0.21
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	15	0.21
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	15	0.21
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	16	0.21
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	16	0.21
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	16	0.21
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	17	0.21
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	17	0.21
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	17	0.21
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	20	0.21
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	6	0.21
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	6	0.21
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	6	0.21
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	16	0.21
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	16	0.21
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	16	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	1	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	1	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	1	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	2	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	2	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	2	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	3	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	3	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	4	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	4	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	4	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	5	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	5	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	5	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	6	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	6	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	6	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	7	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	7	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	7	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	8	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	8	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	8	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	9	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	9	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	9	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	10	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	10	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	10	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	11	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	11	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	11	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	12	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	12	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	12	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	13	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	13	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	13	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	14	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	14	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	14	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	15	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	15	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	15	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	16	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	16	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	16	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	17	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	17	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	18	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	18	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	18	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	19	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	19	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	19	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD11	20	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD12	20	0.21
(1,3304)	1:443:A:ILE:HG12	1:443:A:ILE:HD13	20	0.21
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	2	0.21
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	3	0.21
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	5	0.21
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	6	0.21
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	7	0.21
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	8	0.21
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	9	0.21
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	12	0.21
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	13	0.21
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	15	0.21
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	16	0.21
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	18	0.21
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	19	0.21
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	20	0.21
(1,3269)	1:433:A:LEU:HD21	1:433:A:LEU:HA	19	0.21
(1,3269)	1:433:A:LEU:HD22	1:433:A:LEU:HA	19	0.21
(1,3269)	1:433:A:LEU:HD23	1:433:A:LEU:HA	19	0.21
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	1	0.21
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	2	0.21
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	4	0.21
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	6	0.21
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	7	0.21
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	11	0.21
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	12	0.21
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	14	0.21
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	18	0.21
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	20	0.21
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	10	0.21
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	12	0.21
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	3	0.21
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	1	0.21
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	4	0.21
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	9	0.21
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	13	0.21
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	14	0.21
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	16	0.21
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	9	0.21
(1,3124)	1:451:A:LYS:HB3	1:452:A:GLU:H	15	0.21
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	12	0.21
(1,3118)	1:400:A:GLY:HA2	1:400:A:GLY:H	18	0.21
(1,3082)	1:408:A:ASN:HB3	1:407:A:VAL:HA	19	0.21
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	1	0.21
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	1	0.21
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	1	0.21
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	1	0.21
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	1	0.21
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	1	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	1	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	1	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	1	0.21
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	4	0.21
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	4	0.21
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	4	0.21
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	4	0.21
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	4	0.21
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	4	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	4	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	4	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	4	0.21
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	8	0.21
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	8	0.21
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	8	0.21
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	8	0.21
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	8	0.21
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	8	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	8	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	8	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	8	0.21
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	14	0.21
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	14	0.21
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	14	0.21
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	14	0.21
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	14	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	14	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	14	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	14	0.21
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	19	0.21
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	19	0.21
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	19	0.21
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	19	0.21
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	19	0.21
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	19	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	19	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	19	0.21
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	19	0.21
(1,3063)	1:401:A:THR:HA	1:401:A:THR:HB	20	0.21
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	14	0.21
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	20	0.21
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	8	0.21
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	6	0.21
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	7	0.21
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	7	0.21
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	7	0.21
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	18	0.21
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	18	0.21
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	18	0.21
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	1	0.21
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	9	0.21
(1,2887)	1:352:A:GLN:HB3	1:351:A:ASN:HA	15	0.21
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	10	0.21
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	16	0.21
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	19	0.21
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	11	0.21
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	13	0.21
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	2	0.21
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	3	0.21
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	13	0.21
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	14	0.21
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	11	0.21
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	12	0.21
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	13	0.21
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	14	0.21
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	20	0.21
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	12	0.21
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	12	0.21
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	12	0.21
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	1	0.21
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	10	0.21
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	4	0.21
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	13	0.21
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	16	0.21
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	14	0.21
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	14	0.21
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	14	0.21
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	17	0.21
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	17	0.21
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	17	0.21
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	4	0.21
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	8	0.21
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	11	0.21
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	13	0.21
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	14	0.21
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	17	0.21
(1,2509)	1:428:A:GLU:HG2	1:429:A:TYR:H	2	0.21
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	1	0.21
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	8	0.21
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	11	0.21
(1,2508)	1:437:A:ARG:HB2	1:437:A:ARG:HG3	15	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	1	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	1	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	1	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	2	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	2	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	2	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	3	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	3	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	3	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	5	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	5	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	5	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	8	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	8	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	8	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	10	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	10	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	11	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	11	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	11	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	12	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	12	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	12	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	14	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	14	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	14	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	15	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	15	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	15	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	17	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	17	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	17	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	18	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	18	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	18	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	19	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	19	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	19	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	20	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	20	0.21
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	20	0.21
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	2	0.21
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	5	0.21
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	17	0.21
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	18	0.21
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	19	0.21
(1,2488)	1:350:A:GLU:HG2	1:350:A:GLU:HA	9	0.21
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	7	0.21
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	8	0.21
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	13	0.21
(1,2462)	1:350:A:GLU:HB3	1:351:A:ASN:H	15	0.21
(1,2431)	1:393:A:LEU:HD11	1:410:A:TRP:HB3	12	0.21
(1,2431)	1:393:A:LEU:HD12	1:410:A:TRP:HB3	12	0.21
(1,2431)	1:393:A:LEU:HD13	1:410:A:TRP:HB3	12	0.21
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	1	0.21
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	1	0.21
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	8	0.21
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	8	0.21
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	8	0.21
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	9	0.21
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	9	0.21
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	9	0.21
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	11	0.21
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	11	0.21
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	11	0.21
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	2	0.21
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	2	0.21
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	2	0.21
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	4	0.21
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	4	0.21
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	4	0.21
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	8	0.21
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	8	0.21
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	8	0.21
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	18	0.21
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	18	0.21
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	18	0.21
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	4	0.21
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	4	0.21
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	4	0.21
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	10	0.21
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	10	0.21
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	10	0.21
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG21	11	0.21
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG22	11	0.21
(1,2397)	1:368:A:ILE:HG12	1:368:A:ILE:HG23	11	0.21
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	11	0.21
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	11	0.21
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	11	0.21
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	14	0.21
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	14	0.21
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	14	0.21
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	15	0.21
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	15	0.21
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	15	0.21
(1,2367)	1:361:A:LYS:HB3	1:361:A:LYS:HE2	7	0.21
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	2	0.21
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	1	0.21
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	6	0.21
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	14	0.21
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	18	0.21
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	20	0.21
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	1	0.21
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	12	0.21
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	19	0.21
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	19	0.21
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	19	0.21
(1,2211)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	3	0.21
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	1	0.21
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	9	0.21
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	18	0.21
(1,2207)	1:349:A:LEU:HB3	1:350:A:GLU:H	4	0.21
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	6	0.21
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	14	0.21
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	18	0.21
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	20	0.21
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	4	0.21
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	4	0.21
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	4	0.21
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	4	0.21
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	4	0.21
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	4	0.21
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	4	0.21
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	4	0.21
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	4	0.21
(1,2164)	1:339:A:HIS:HB2	1:339:A:HIS:HD2	17	0.21
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	5	0.21
(1,2103)	1:402:A:PRO:HB3	1:403:A:TYR:H	13	0.21
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	8	0.21
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	9	0.21
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	12	0.21
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	1	0.21
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	1	0.21
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	1	0.21
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	17	0.21
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	17	0.21
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	17	0.21
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	1	0.21
(1,1969)	1:424:A:ASP:HB2	1:424:A:ASP:H	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	4	0.21
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	8	0.21
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	15	0.21
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	18	0.21
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	6	0.21
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	20	0.21
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	10	0.21
(1,1880)	1:368:A:ILE:HG12	1:368:A:ILE:HB	1	0.21
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG11	9	0.21
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG12	9	0.21
(1,1856)	1:362:A:VAL:HA	1:362:A:VAL:HG13	9	0.21
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	5	0.21
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	6	0.21
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	12	0.21
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	17	0.21
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	7	0.21
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	10	0.21
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	15	0.21
(1,1705)	1:358:A:LYS:HG3	1:358:A:LYS:HD2	8	0.21
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	9	0.21
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	9	0.21
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	7	0.21
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	10	0.21
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	15	0.21
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	4	0.21
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	12	0.21
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	14	0.21
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	19	0.21
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	4	0.21
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	7	0.21
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	10	0.21
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	14	0.21
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	10	0.21
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	15	0.21
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	19	0.21
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	20	0.21
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	15	0.21
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	15	0.21
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	15	0.21
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	10	0.21
(1,1488)	1:372:A:LYS:HB3	1:373:A:PRO:HD2	6	0.21
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	16	0.21
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	20	0.21
(1,1478)	1:435:A:LYS:HD3	1:435:A:LYS:HB3	16	0.21
(1,1467)	1:372:A:LYS:HB3	1:372:A:LYS:HD3	3	0.21
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	17	0.21
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	17	0.21
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	17	0.21
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	1	0.21
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	2	0.21
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	3	0.21
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	6	0.21
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	10	0.21
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	13	0.21
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	15	0.21
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	17	0.21
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	18	0.21
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	3	0.21
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	7	0.21
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	11	0.21
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	16	0.21
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	18	0.21
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	20	0.21
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	1	0.21
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	2	0.21
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	17	0.21
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	15	0.21
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	19	0.21
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG21	6	0.21
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG22	6	0.21
(1,1377)	1:381:A:VAL:HA	1:381:A:VAL:HG23	6	0.21
(1,1373)	1:386:A:ASN:HA	1:387:A:LYS:HB3	4	0.21
(1,1373)	1:386:A:ASN:HA	1:387:A:LYS:HB3	11	0.21
(1,1373)	1:386:A:ASN:HA	1:387:A:LYS:HB3	12	0.21
(1,1373)	1:386:A:ASN:HA	1:387:A:LYS:HB3	13	0.21
(1,1373)	1:386:A:ASN:HA	1:387:A:LYS:HB3	14	0.21
(1,1373)	1:386:A:ASN:HA	1:387:A:LYS:HB3	17	0.21
(1,1373)	1:386:A:ASN:HA	1:387:A:LYS:HB3	20	0.21
(1,1355)	1:396:A:THR:HG21	1:400:A:GLY:HA2	10	0.21
(1,1355)	1:396:A:THR:HG22	1:400:A:GLY:HA2	10	0.21
(1,1355)	1:396:A:THR:HG23	1:400:A:GLY:HA2	10	0.21
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	1	0.21
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	7	0.21
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	10	0.21
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	13	0.21
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	17	0.21
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	20	0.21
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	11	0.21
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	1	0.21
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	3	0.21
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	14	0.21
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	4	0.21
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	11	0.21
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	17	0.21
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	7	0.21
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	9	0.21
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	19	0.21
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	3	0.21
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	3	0.21
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	3	0.21
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	17	0.21
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	2	0.21
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	4	0.21
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	5	0.21
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	8	0.21
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	9	0.21
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	12	0.21
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	14	0.21
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	16	0.21
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	18	0.21
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	19	0.21
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	1	0.21
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	1	0.21
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	1	0.21
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	17	0.21
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	17	0.21
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	17	0.21
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	19	0.21
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	19	0.21
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	19	0.21
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	20	0.21
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	20	0.21
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	20	0.21
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	2	0.21
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	9	0.21
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	11	0.21
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	4	0.21
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	15	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	4	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	4	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	4	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	10	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	10	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	10	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	14	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	14	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	14	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	16	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	16	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	16	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	17	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	17	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	17	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	19	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	19	0.21
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	19	0.21
(1,840)	1:394:A:LYS:HE2	1:394:A:LYS:HG3	15	0.21
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	16	0.21
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	7	0.21
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	9	0.21
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	17	0.21
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	19	0.21
(1,743)	1:389:A:GLU:HG3	1:389:A:GLU:H	17	0.21
(1,720)	1:342:A:ASP:HB2	1:344:A:TYR:H	9	0.21
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	14	0.21
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	14	0.21
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	14	0.21
(1,688)	1:390:A:ASP:HA	1:389:A:GLU:HB3	7	0.21
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	5	0.21
(1,659)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	4	0.21
(1,659)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	9	0.21
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	7	0.21
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	7	0.21
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	7	0.21
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	14	0.21
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	14	0.21
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	18	0.21
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	18	0.21
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	18	0.21
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	11	0.21
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	13	0.21
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	18	0.21
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	19	0.21
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	7	0.21
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD1	14	0.21
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD2	14	0.21
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD1	14	0.21
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD2	14	0.21
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD1	14	0.21
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD2	14	0.21
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	10	0.21
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	1	0.21
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	1	0.21
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	1	0.21
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	1	0.21
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	1	0.21
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	1	0.21
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	10	0.21
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	10	0.21
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	10	0.21
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	10	0.21
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	10	0.21
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	10	0.21
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	2	0.21
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	2	0.21
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	2	0.21
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	9	0.21
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	9	0.21
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	9	0.21
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	5	0.21
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	7	0.21
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	14	0.21
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	18	0.21
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	20	0.21
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	4	0.21
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	10	0.21
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	7	0.21
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	8	0.21
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	12	0.21
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	14	0.21
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	19	0.21
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	8	0.21
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	8	0.21
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	8	0.21
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	8	0.21
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	8	0.21
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	8	0.21
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	8	0.21
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	8	0.21
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	8	0.21
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	15	0.21
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	15	0.21
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	15	0.21
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	15	0.21
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	15	0.21
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	15	0.21
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	15	0.21
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	15	0.21
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	15	0.21
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	18	0.21
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	18	0.21
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	18	0.21
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	18	0.21
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	18	0.21
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	18	0.21
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	18	0.21
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	18	0.21
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	18	0.21
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	2	0.2
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	9	0.2
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	19	0.2
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	13	0.2
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	1	0.2
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	8	0.2
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	11	0.2
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	14	0.2
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	20	0.2
(1,4960)	1:357:A:TYR:H	1:356:A:TYR:HD1	3	0.2
(1,4960)	1:357:A:TYR:H	1:356:A:TYR:HD2	3	0.2
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	1	0.2
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	2	0.2
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	3	0.2
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	6	0.2
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	15	0.2
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	16	0.2
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	17	0.2
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE1	11	0.2
(1,4952)	1:396:A:THR:H	1:403:A:TYR:HE2	11	0.2
(1,4945)	1:441:A:GLY:H	1:372:A:LYS:H	11	0.2
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	3	0.2
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	8	0.2
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	17	0.2
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	18	0.2
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	8	0.2
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	11	0.2
(1,4857)	1:438:A:GLY:H	1:372:A:LYS:HB3	6	0.2
(1,4857)	1:438:A:GLY:H	1:372:A:LYS:HB3	20	0.2
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	10	0.2
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	9	0.2
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	15	0.2
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	17	0.2
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	9	0.2
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	17	0.2
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	9	0.2
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	20	0.2
(1,4762)	1:444:A:ASN:H	1:368:A:ILE:HB	16	0.2
(1,4725)	1:395:A:GLY:H	1:402:A:PRO:HB3	2	0.2
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	2	0.2
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	2	0.2
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	2	0.2
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	3	0.2
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	12	0.2
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	20	0.2
(1,4644)	1:435:A:LYS:H	1:434:A:TRP:H	20	0.2
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	1	0.2
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	2	0.2
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	3	0.2
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	6	0.2
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	7	0.2
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	9	0.2
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	12	0.2
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	14	0.2
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	15	0.2
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	17	0.2
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	18	0.2
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	19	0.2
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	9	0.2
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	15	0.2
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	17	0.2
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	16	0.2
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	10	0.2
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	13	0.2
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	18	0.2
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	4	0.2
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	18	0.2
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	3	0.2
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	3	0.2
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	5	0.2
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	7	0.2
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	10	0.2
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	11	0.2
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	14	0.2
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG21	18	0.2
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG22	18	0.2
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG23	18	0.2
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	1	0.2
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	2	0.2
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	5	0.2
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	6	0.2
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	14	0.2
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	15	0.2
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	19	0.2
(1,4447)	1:387:A:LYS:H	1:459:A:LYS:HG2	20	0.2
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	15	0.2
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	11	0.2
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	11	0.2
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	11	0.2
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	13	0.2
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	13	0.2
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	16	0.2
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	16	0.2
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	16	0.2
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	19	0.2
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	19	0.2
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	19	0.2
(1,4433)	1:425:A:TRP:HE1	1:425:A:TRP:HB2	4	0.2
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	3	0.2
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	4	0.2
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	11	0.2
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	12	0.2
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	17	0.2
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	10	0.2
(1,4366)	1:452:A:GLU:H	1:451:A:LYS:H	16	0.2
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	11	0.2
(1,4293)	1:459:A:LYS:H	1:459:A:LYS:HA	19	0.2
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG11	5	0.2
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG12	5	0.2
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG13	5	0.2
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG11	16	0.2
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG12	16	0.2
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG13	16	0.2
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	10	0.2
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	13	0.2
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	7	0.2
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	12	0.2
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	18	0.2
(1,4205)	1:444:A:ASN:H	1:444:A:ASN:HB2	2	0.2
(1,4196)	1:445:A:THR:H	1:444:A:ASN:HA	17	0.2
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE1	19	0.2
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE2	19	0.2
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	9	0.2
(1,4135)	1:442:A:CYS:H	1:441:A:GLY:H	11	0.2
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	5	0.2
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	7	0.2
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	18	0.2
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	19	0.2
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	3	0.2
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	14	0.2
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	18	0.2
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	13	0.2
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	3	0.2
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	13	0.2
(1,3898)	1:466:A:PHE:HE1	1:346:A:GLU:HB3	19	0.2
(1,3898)	1:466:A:PHE:HE2	1:346:A:GLU:HB3	19	0.2
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	3	0.2
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	9	0.2
(1,3886)	1:466:A:PHE:HE1	1:466:A:PHE:HB2	5	0.2
(1,3886)	1:466:A:PHE:HE2	1:466:A:PHE:HB2	5	0.2
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	3	0.2
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	3	0.2
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	14	0.2
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	14	0.2
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	3	0.2
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	12	0.2
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	16	0.2
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	1	0.2
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	1	0.2
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	1	0.2
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	1	0.2
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	1	0.2
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	1	0.2
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	7	0.2
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	7	0.2
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	7	0.2
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	7	0.2
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	7	0.2
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	7	0.2
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	16	0.2
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	16	0.2
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	16	0.2
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	16	0.2
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	16	0.2
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	16	0.2
(1,3819)	1:425:A:TRP:HE3	1:425:A:TRP:HA	15	0.2
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	16	0.2
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	16	0.2
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	16	0.2
(1,3798)	1:466:A:PHE:HD1	1:464:A:LEU:HG	1	0.2
(1,3798)	1:466:A:PHE:HD2	1:464:A:LEU:HG	1	0.2
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	14	0.2
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	14	0.2
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	14	0.2
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	14	0.2
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	14	0.2
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	12	0.2
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	15	0.2
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	7	0.2
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	7	0.2
(1,3784)	1:429:A:TYR:HD1	1:429:A:TYR:HB3	14	0.2
(1,3784)	1:429:A:TYR:HD2	1:429:A:TYR:HB3	14	0.2
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	7	0.2
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	7	0.2
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	9	0.2
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	9	0.2
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	17	0.2
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	17	0.2
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	19	0.2
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	19	0.2
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	20	0.2
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	20	0.2
(1,3701)	1:415:A:TRP:HD1	1:415:A:TRP:HE3	6	0.2
(1,3697)	1:355:A:TRP:HH2	1:353:A:HIS:HB3	8	0.2
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	16	0.2
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	16	0.2
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	11	0.2
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	11	0.2
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	11	0.2
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	11	0.2
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	11	0.2
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	11	0.2
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	5	0.2
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	5	0.2
(1,3586)	1:466:A:PHE:HE1	1:348:A:ASP:HB2	4	0.2
(1,3586)	1:466:A:PHE:HE2	1:348:A:ASP:HB2	4	0.2
(1,3577)	1:403:A:TYR:HD1	1:395:A:GLY:HA2	2	0.2
(1,3577)	1:403:A:TYR:HD2	1:395:A:GLY:HA2	2	0.2
(1,3577)	1:403:A:TYR:HD1	1:395:A:GLY:HA2	13	0.2
(1,3577)	1:403:A:TYR:HD2	1:395:A:GLY:HA2	13	0.2
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	17	0.2
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	17	0.2
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	17	0.2
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	18	0.2
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	18	0.2
(1,3525)	1:355:A:TRP:HE3	1:354:A:MET:HA	12	0.2
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	2	0.2
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	3	0.2
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	3	0.2
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	14	0.2
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	18	0.2
(1,3453)	1:428:A:GLU:HA	1:429:A:TYR:HB2	10	0.2
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	1	0.2
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	1	0.2
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	1	0.2
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	2	0.2
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	14	0.2
(1,3398)	1:394:A:LYS:HE3	1:394:A:LYS:HG2	15	0.2
(1,3367)	1:369:A:VAL:HG21	1:370:A:SER:H	15	0.2
(1,3367)	1:369:A:VAL:HG22	1:370:A:SER:H	15	0.2
(1,3367)	1:369:A:VAL:HG23	1:370:A:SER:H	15	0.2
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	1	0.2
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	3	0.2
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	10	0.2
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	2	0.2
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	2	0.2
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	2	0.2
(1,3343)	1:443:A:ILE:HG21	1:443:A:ILE:HG13	7	0.2
(1,3343)	1:443:A:ILE:HG22	1:443:A:ILE:HG13	7	0.2
(1,3343)	1:443:A:ILE:HG23	1:443:A:ILE:HG13	7	0.2
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	3	0.2
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	6	0.2
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	12	0.2
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	20	0.2
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	2	0.2
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	12	0.2
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	7	0.2
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	7	0.2
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	7	0.2
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	1	0.2
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	14	0.2
(1,3282)	1:424:A:ASP:HA	1:424:A:ASP:H	17	0.2
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	3	0.2
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	9	0.2
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	15	0.2
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	17	0.2
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	19	0.2
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	16	0.2
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	7	0.2
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	17	0.2
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	12	0.2
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	15	0.2
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	5	0.2
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	12	0.2
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	8	0.2
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	17	0.2
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	18	0.2
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	10	0.2
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	12	0.2
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	12	0.2
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	12	0.2
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	12	0.2
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	12	0.2
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	12	0.2
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	12	0.2
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	12	0.2
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	12	0.2
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	13	0.2
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	13	0.2
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	13	0.2
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	13	0.2
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	13	0.2
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	13	0.2
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	13	0.2
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	13	0.2
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	13	0.2
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	20	0.2
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	20	0.2
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	20	0.2
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	20	0.2
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	20	0.2
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	20	0.2
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	20	0.2
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	20	0.2
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	20	0.2
(1,3017)	1:371:A:GLY:HA2	1:372:A:LYS:HB2	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3016)	1:464:A:LEU:HA	1:464:A:LEU:HG	1	0.2
(1,2993)	1:384:A:VAL:HB	1:385:A:TRP:H	7	0.2
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	4	0.2
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	4	0.2
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	4	0.2
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	11	0.2
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	11	0.2
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	11	0.2
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	5	0.2
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	11	0.2
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	15	0.2
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	16	0.2
(1,2917)	1:367:A:ASP:HB3	1:367:A:ASP:H	10	0.2
(1,2899)	1:339:A:HIS:HB3	1:340:A:MET:H	5	0.2
(1,2874)	1:375:A:THR:HG21	1:375:A:THR:HA	12	0.2
(1,2874)	1:375:A:THR:HG22	1:375:A:THR:HA	12	0.2
(1,2874)	1:375:A:THR:HG23	1:375:A:THR:HA	12	0.2
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	6	0.2
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	11	0.2
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	18	0.2
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	3	0.2
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	3	0.2
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	3	0.2
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	9	0.2
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	9	0.2
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	9	0.2
(1,2809)	1:375:A:THR:HA	1:376:A:PRO:HB2	12	0.2
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	15	0.2
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	16	0.2
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	18	0.2
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	19	0.2
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	14	0.2
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	14	0.2
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	14	0.2
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	18	0.2
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	18	0.2
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	18	0.2
(1,2779)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	8	0.2
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	5	0.2
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	12	0.2
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	14	0.2
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	15	0.2
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	17	0.2
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	6	0.2
(1,2617)	1:451:A:LYS:HD2	1:451:A:LYS:HE3	8	0.2
(1,2613)	1:361:A:LYS:HD2	1:361:A:LYS:HE3	3	0.2
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	3	0.2
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	15	0.2
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	20	0.2
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	14	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	2	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	2	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	2	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	3	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	3	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	3	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	4	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	4	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	4	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	5	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	5	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	5	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	6	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	6	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	6	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	8	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	8	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	8	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	15	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	15	0.2
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	15	0.2
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	6	0.2
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	6	0.2
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	12	0.2
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	4	0.2
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	4	0.2
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	4	0.2
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	6	0.2
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	6	0.2
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	6	0.2
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	7	0.2
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	7	0.2
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	13	0.2
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	13	0.2
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	13	0.2
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG11	16	0.2
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG12	16	0.2
(1,2495)	1:362:A:VAL:HB	1:362:A:VAL:HG13	16	0.2
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	4	0.2
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	11	0.2
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	13	0.2
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	16	0.2
(1,2488)	1:350:A:GLU:HG2	1:350:A:GLU:HA	15	0.2
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	2	0.2
(1,2417)	1:453:A:LEU:HD21	1:453:A:LEU:HB2	2	0.2
(1,2417)	1:453:A:LEU:HD22	1:453:A:LEU:HB2	2	0.2
(1,2417)	1:453:A:LEU:HD23	1:453:A:LEU:HB2	2	0.2
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	11	0.2
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	11	0.2
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	11	0.2
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	14	0.2
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	14	0.2
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	14	0.2
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	20	0.2
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	20	0.2
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	20	0.2
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	18	0.2
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	18	0.2
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	18	0.2
(1,2367)	1:361:A:LYS:HB3	1:361:A:LYS:HE2	6	0.2
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	5	0.2
(1,2305)	1:358:A:LYS:HD3	1:358:A:LYS:HE2	12	0.2
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	17	0.2
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	2	0.2
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	3	0.2
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	4	0.2
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	5	0.2
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	7	0.2
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	8	0.2
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	9	0.2
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	10	0.2
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	11	0.2
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	12	0.2
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	15	0.2
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	16	0.2
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	17	0.2
(1,2281)	1:443:A:ILE:HA	1:443:A:ILE:HB	19	0.2
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	10	0.2
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD21	2	0.2
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD22	2	0.2
(1,2256)	1:464:A:LEU:HB3	1:464:A:LEU:HD23	2	0.2
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	4	0.2
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	6	0.2
(1,2208)	1:378:A:PRO:HB3	1:377:A:THR:HA	19	0.2
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	11	0.2
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	1	0.2
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	2	0.2
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	3	0.2
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	5	0.2
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	6	0.2
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	7	0.2
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	8	0.2
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	9	0.2
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	10	0.2
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	12	0.2
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	13	0.2
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	14	0.2
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	15	0.2
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	18	0.2
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	19	0.2
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	20	0.2
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	1	0.2
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	4	0.2
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	6	0.2
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	7	0.2
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	9	0.2
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	10	0.2
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	15	0.2
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	16	0.2
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	17	0.2
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	11	0.2
(1,2103)	1:402:A:PRO:HB3	1:403:A:TYR:H	14	0.2
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	1	0.2
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	20	0.2
(1,2058)	1:435:A:LYS:HD3	1:435:A:LYS:HE2	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	4	0.2
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	4	0.2
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	4	0.2
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	5	0.2
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	5	0.2
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	5	0.2
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	10	0.2
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	10	0.2
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	10	0.2
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	13	0.2
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	13	0.2
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	13	0.2
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	2	0.2
(1,1969)	1:424:A:ASP:HB2	1:424:A:ASP:H	16	0.2
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	1	0.2
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	2	0.2
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	3	0.2
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	7	0.2
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	9	0.2
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	12	0.2
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	19	0.2
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	5	0.2
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	5	0.2
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	5	0.2
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	5	0.2
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	5	0.2
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	5	0.2
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	5	0.2
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	5	0.2
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	5	0.2
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	4	0.2
(1,1816)	1:372:A:LYS:HG3	1:372:A:LYS:HD3	8	0.2
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	3	0.2
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	7	0.2
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	9	0.2
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	10	0.2
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	11	0.2
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	13	0.2
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	14	0.2
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	15	0.2
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	18	0.2
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	20	0.2
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	2	0.2
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	3	0.2
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	17	0.2
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	18	0.2
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	2	0.2
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	3	0.2
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	5	0.2
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	5	0.2
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	16	0.2
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	16	0.2
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	19	0.2
(1,1632)	1:340:A:MET:HA	1:340:A:MET:HG2	4	0.2
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	2	0.2
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	3	0.2
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	17	0.2
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	18	0.2
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	3	0.2
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	3	0.2
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	3	0.2
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	10	0.2
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	10	0.2
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	10	0.2
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	1	0.2
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	9	0.2
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	11	0.2
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	2	0.2
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	12	0.2
(1,1564)	1:408:A:ASN:HA	1:408:A:ASN:HD21	5	0.2
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	3	0.2
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	15	0.2
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	1	0.2
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	2	0.2
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	3	0.2
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	4	0.2
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	5	0.2
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	6	0.2
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	7	0.2
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	8	0.2
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	9	0.2
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	11	0.2
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	13	0.2
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	14	0.2
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	16	0.2
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	17	0.2
(1,1533)	1:345:A:ILE:HA	1:345:A:ILE:HB	18	0.2
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	3	0.2
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	5	0.2
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	6	0.2
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	12	0.2
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	15	0.2
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	18	0.2
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	9	0.2
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	10	0.2
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	11	0.2
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	12	0.2
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	13	0.2
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	14	0.2
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	15	0.2
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	16	0.2
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	17	0.2
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	18	0.2
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	19	0.2
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	20	0.2
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	1	0.2
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	3	0.2
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	4	0.2
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	8	0.2
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	12	0.2
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	18	0.2
(1,1478)	1:435:A:LYS:HD3	1:435:A:LYS:HB3	3	0.2
(1,1478)	1:435:A:LYS:HD3	1:435:A:LYS:HB3	20	0.2
(1,1467)	1:372:A:LYS:HB3	1:372:A:LYS:HD3	7	0.2
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	4	0.2
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	5	0.2
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	8	0.2
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	9	0.2
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	11	0.2
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	14	0.2
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	16	0.2
(1,1443)	1:420:A:ILE:HG12	1:420:A:ILE:HA	20	0.2
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	12	0.2
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	12	0.2
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	20	0.2
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	20	0.2
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	20	0.2
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	6	0.2
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	9	0.2
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	10	0.2
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	12	0.2
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	14	0.2
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	3	0.2
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	3	0.2
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	3	0.2
(1,1401)	1:454:A:PHE:HA	1:454:A:PHE:HB2	6	0.2
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	5	0.2
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	16	0.2
(1,1373)	1:386:A:ASN:HA	1:387:A:LYS:HB3	9	0.2
(1,1373)	1:386:A:ASN:HA	1:387:A:LYS:HB3	10	0.2
(1,1373)	1:386:A:ASN:HA	1:387:A:LYS:HB3	15	0.2
(1,1355)	1:396:A:THR:HG21	1:400:A:GLY:HA2	19	0.2
(1,1355)	1:396:A:THR:HG22	1:400:A:GLY:HA2	19	0.2
(1,1355)	1:396:A:THR:HG23	1:400:A:GLY:HA2	19	0.2
(1,1324)	1:380:A:GLY:HA2	1:381:A:VAL:H	15	0.2
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	1	0.2
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	9	0.2
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	12	0.2
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	18	0.2
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	6	0.2
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	14	0.2
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	18	0.2
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	13	0.2
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	5	0.2
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	8	0.2
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	10	0.2
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	11	0.2
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	3	0.2
(1,1170)	1:411:A:MET:HA	1:411:A:MET:HG2	16	0.2
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	8	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	1	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	1	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	1	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	3	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	3	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	6	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	6	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	6	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	7	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	7	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	7	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	8	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	8	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	8	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	9	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	9	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	9	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	14	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	14	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	14	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	17	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	17	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	17	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	19	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	19	0.2
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	19	0.2
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	3	0.2
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	6	0.2
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	6	0.2
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	6	0.2
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	7	0.2
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	9	0.2
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	13	0.2
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	18	0.2
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	19	0.2
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG21	12	0.2
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG22	12	0.2
(1,985)	1:375:A:THR:HA	1:375:A:THR:HG23	12	0.2
(1,972)	1:398:A:ASP:HB2	1:399:A:ASP:H	17	0.2
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	12	0.2
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	12	0.2
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	12	0.2
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	20	0.2
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	20	0.2
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	20	0.2
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	6	0.2
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	7	0.2
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	13	0.2
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	15	0.2
(1,929)	1:373:A:PRO:HD3	1:373:A:PRO:HB2	20	0.2
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	18	0.2
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	18	0.2
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	18	0.2
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	14	0.2
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	18	0.2
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	18	0.2
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	19	0.2
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	15	0.2
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	15	0.2
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	15	0.2
(1,838)	1:408:A:ASN:HB3	1:408:A:ASN:HA	5	0.2
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	1	0.2
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	2	0.2
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	6	0.2
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	12	0.2
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	13	0.2
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	14	0.2
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	20	0.2
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	2	0.2
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	9	0.2
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	17	0.2
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	17	0.2
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	17	0.2
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	17	0.2
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	17	0.2
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	17	0.2
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	17	0.2
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	17	0.2
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	17	0.2
(1,720)	1:342:A:ASP:HB2	1:344:A:TYR:H	13	0.2
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	9	0.2
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	9	0.2
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	9	0.2
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	10	0.2
(1,659)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	1	0.2
(1,659)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	17	0.2
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	8	0.2
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	8	0.2
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	6	0.2
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	1	0.2
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	6	0.2
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	8	0.2
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	10	0.2
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	14	0.2
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	15	0.2
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	16	0.2
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	17	0.2
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	20	0.2
(1,576)	1:342:A:ASP:HB2	1:342:A:ASP:H	14	0.2
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	5	0.2
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	6	0.2
(1,561)	1:372:A:LYS:HG2	1:372:A:LYS:HA	18	0.2
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	19	0.2
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	5	0.2
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	6	0.2
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	6	0.2
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	10	0.2
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	19	0.2
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	20	0.2
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD1	1	0.2
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD2	1	0.2
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD1	1	0.2
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD2	1	0.2
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD1	1	0.2
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD2	1	0.2
(1,395)	1:388:A:GLU:HA	1:388:A:GLU:HG3	13	0.2
(1,337)	1:366:A:THR:HA	1:366:A:THR:HB	16	0.2
(1,298)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	4	0.2
(1,298)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	10	0.2
(1,298)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	14	0.2
(1,298)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	16	0.2
(1,261)	1:358:A:LYS:HG2	1:358:A:LYS:HD2	3	0.2
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	9	0.2
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	9	0.2
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	9	0.2
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	9	0.2
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	9	0.2
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	3	0.2
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	5	0.2
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	7	0.2
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	14	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	3	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	3	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	3	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	4	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	4	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	4	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	6	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	6	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	6	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	14	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	14	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	14	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	15	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	15	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	15	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	19	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	19	0.2
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	19	0.2
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	5	0.2
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	1	0.2
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	14	0.2
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	17	0.2
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	4	0.2
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	4	0.2
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	4	0.2
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	10	0.2
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	10	0.2
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	10	0.2
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	18	0.2
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	18	0.2
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	18	0.2
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	4	0.2
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	8	0.2
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	11	0.2
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	13	0.2
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	16	0.2
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	17	0.2
(1,92)	1:364:A:LEU:HA	1:364:A:LEU:HG	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	5	0.2
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	9	0.2
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	12	0.2
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	15	0.2
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	17	0.2
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	3	0.2
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	13	0.2
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	13	0.2
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	13	0.2
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	13	0.2
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	13	0.2
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	13	0.2
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	13	0.2
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	13	0.2
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	13	0.2
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	19	0.2
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	19	0.2
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	19	0.2
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	19	0.2
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	19	0.2
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	19	0.2
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	19	0.2
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	19	0.2
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	19	0.2
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	2	0.19
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	4	0.19
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	1	0.19
(1,4994)	1:392:A:THR:H	1:391:A:ALA:H	16	0.19
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	9	0.19
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	2	0.19
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	4	0.19
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	6	0.19
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	9	0.19
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	12	0.19
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	11	0.19
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	12	0.19
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	14	0.19
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	2	0.19
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	5	0.19
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	6	0.19
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	3	0.19
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	3	0.19
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	11	0.19
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	11	0.19
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	11	0.19
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	14	0.19
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	14	0.19
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	14	0.19
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	18	0.19
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	18	0.19
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	18	0.19
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	11	0.19
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	12	0.19
(1,4857)	1:438:A:GLY:H	1:372:A:LYS:HB3	15	0.19
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	12	0.19
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	3	0.19
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	10	0.19
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	4	0.19
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	8	0.19
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	13	0.19
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	1	0.19
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	2	0.19
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	7	0.19
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	9	0.19
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	20	0.19
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	10	0.19
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	11	0.19
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	15	0.19
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	3	0.19
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	11	0.19
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	14	0.19
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	16	0.19
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	11	0.19
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	6	0.19
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	6	0.19
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	6	0.19
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	10	0.19
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	10	0.19
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	10	0.19
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	17	0.19
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	1	0.19
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	2	0.19
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	10	0.19
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	16	0.19
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	5	0.19
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	10	0.19
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	13	0.19
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	20	0.19
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	1	0.19
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	12	0.19
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	1	0.19
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	3	0.19
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	10	0.19
(1,4551)	1:426:A:GLN:H	1:426:A:GLN:HB2	4	0.19
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	4	0.19
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	5	0.19
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	12	0.19
(1,4527)	1:441:A:GLY:H	1:439:A:SER:H	14	0.19
(1,4517)	1:341:A:GLU:H	1:341:A:GLU:HG2	6	0.19
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	1	0.19
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	4	0.19
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	9	0.19
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	13	0.19
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	17	0.19
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	18	0.19
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	19	0.19
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	20	0.19
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG21	17	0.19
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG22	17	0.19
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG23	17	0.19
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	3	0.19
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	9	0.19
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	10	0.19
(1,4478)	1:426:A:GLN:HE22	1:426:A:GLN:HB3	10	0.19
(1,4472)	1:448:A:SER:H	1:446:A:PRO:HB2	6	0.19
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	3	0.19
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	8	0.19
(1,4469)	1:397:A:ASN:HD22	1:397:A:ASN:HB3	9	0.19
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	3	0.19
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	7	0.19
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	10	0.19
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	11	0.19
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	12	0.19
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	17	0.19
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	7	0.19
(1,4438)	1:363:A:ALA:H	1:362:A:VAL:HG11	9	0.19
(1,4438)	1:363:A:ALA:H	1:362:A:VAL:HG12	9	0.19
(1,4438)	1:363:A:ALA:H	1:362:A:VAL:HG13	9	0.19
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	6	0.19
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	6	0.19
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	6	0.19
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	12	0.19
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	12	0.19
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	12	0.19
(1,4423)	1:422:A:ASP:H	1:409:A:TYR:H	11	0.19
(1,4404)	1:417:A:GLY:H	1:417:A:GLY:HA2	6	0.19
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	5	0.19
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	15	0.19
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	18	0.19
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	19	0.19
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	15	0.19
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	16	0.19
(1,4375)	1:364:A:LEU:H	1:356:A:TYR:HB3	9	0.19
(1,4348)	1:350:A:GLU:H	1:349:A:LEU:HG	7	0.19
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	1	0.19
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	1	0.19
(1,4296)	1:466:A:PHE:H	1:348:A:ASP:HA	16	0.19
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	2	0.19
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	5	0.19
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	9	0.19
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	16	0.19
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	19	0.19
(1,4283)	1:374:A:THR:H	1:375:A:THR:H	16	0.19
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	3	0.19
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	10	0.19
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	4	0.19
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	20	0.19
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	14	0.19
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	12	0.19
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	3	0.19
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG11	11	0.19
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG12	11	0.19
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG13	11	0.19
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	5	0.19
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	9	0.19
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	4	0.19
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	3	0.19
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	8	0.19
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	4	0.19
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	4	0.19
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	4	0.19
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	5	0.19
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	5	0.19
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	5	0.19
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	7	0.19
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	7	0.19
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	7	0.19
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	8	0.19
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	8	0.19
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	8	0.19
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	10	0.19
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	10	0.19
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	10	0.19
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	10	0.19
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	8	0.19
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	11	0.19
(1,4084)	1:420:A:ILE:H	1:411:A:MET:H	19	0.19
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	3	0.19
(1,3960)	1:351:A:ASN:H	1:350:A:GLU:HB2	20	0.19
(1,3941)	1:411:A:MET:H	1:420:A:ILE:H	19	0.19
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	15	0.19
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	1	0.19
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	2	0.19
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	5	0.19
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	7	0.19
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	8	0.19
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	15	0.19
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	19	0.19
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	20	0.19
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	13	0.19
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	13	0.19
(1,3856)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	1	0.19
(1,3856)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	1	0.19
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	4	0.19
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	4	0.19
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	4	0.19
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	4	0.19
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	4	0.19
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	11	0.19
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	11	0.19
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	11	0.19
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	11	0.19
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	11	0.19
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	11	0.19
(1,3825)	1:425:A:TRP:HZ3	1:406:A:PRO:HG3	18	0.19
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	18	0.19
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	18	0.19
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	18	0.19
(1,3798)	1:466:A:PHE:HD1	1:464:A:LEU:HG	12	0.19
(1,3798)	1:466:A:PHE:HD2	1:464:A:LEU:HG	12	0.19
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	11	0.19
(1,3776)	1:383:A:TYR:HD1	1:462:A:PRO:HG3	8	0.19
(1,3776)	1:383:A:TYR:HD2	1:462:A:PRO:HG3	8	0.19
(1,3776)	1:383:A:TYR:HD1	1:462:A:PRO:HG3	20	0.19
(1,3776)	1:383:A:TYR:HD2	1:462:A:PRO:HG3	20	0.19
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	4	0.19
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	4	0.19
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	8	0.19
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	8	0.19
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	10	0.19
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	10	0.19
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	6	0.19
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	6	0.19
(1,3687)	1:425:A:TRP:HE3	1:424:A:ASP:HB2	10	0.19
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	5	0.19
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	5	0.19
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	9	0.19
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	9	0.19
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	9	0.19
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	9	0.19
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	9	0.19
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	9	0.19
(1,3592)	1:454:A:PHE:HD1	1:454:A:PHE:HB3	1	0.19
(1,3592)	1:454:A:PHE:HD2	1:454:A:PHE:HB3	1	0.19
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	5	0.19
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	5	0.19
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	3	0.19
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	3	0.19
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	3	0.19
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	12	0.19
(1,3513)	1:394:A:LYS:HB3	1:394:A:LYS:HE3	3	0.19
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	2	0.19
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	10	0.19
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	11	0.19
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	11	0.19
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	11	0.19
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	6	0.19
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	10	0.19
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	17	0.19
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	11	0.19
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	19	0.19
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	11	0.19
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	11	0.19
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	11	0.19
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	5	0.19
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	6	0.19
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	8	0.19
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	11	0.19
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	13	0.19
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	14	0.19
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	16	0.19
(1,3351)	1:340:A:MET:HB3	1:340:A:MET:HA	7	0.19
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	7	0.19
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	13	0.19
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	15	0.19
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	18	0.19
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	19	0.19
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	11	0.19
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	3	0.19
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	8	0.19
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	8	0.19
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	8	0.19
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	11	0.19
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	11	0.19
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	11	0.19
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	10	0.19
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	5	0.19
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	9	0.19
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	14	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	1	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	2	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	3	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	4	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	5	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	6	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	7	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	8	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	9	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	10	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	11	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	12	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	13	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	14	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	16	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	17	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	19	0.19
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	20	0.19
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	13	0.19
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	3	0.19
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	5	0.19
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	15	0.19
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	11	0.19
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	14	0.19
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	15	0.19
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	11	0.19
(1,3082)	1:408:A:ASN:HB3	1:407:A:VAL:HA	4	0.19
(1,3082)	1:408:A:ASN:HB3	1:407:A:VAL:HA	12	0.19
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	6	0.19
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	6	0.19
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	6	0.19
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	9	0.19
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	9	0.19
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	9	0.19
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	15	0.19
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	15	0.19
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	15	0.19
(1,2932)	1:359:A:ASP:HB3	1:358:A:LYS:HG3	3	0.19
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	4	0.19
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	12	0.19
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	14	0.19
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	20	0.19
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	1	0.19
(1,2924)	1:346:A:GLU:HB3	1:347:A:VAL:H	2	0.19
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD11	1	0.19
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD12	1	0.19
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD13	1	0.19
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD11	6	0.19
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD12	6	0.19
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD13	6	0.19
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD11	20	0.19
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD12	20	0.19
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD13	20	0.19
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	11	0.19
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	20	0.19
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	9	0.19
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	12	0.19
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	15	0.19
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	15	0.19
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	15	0.19
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	3	0.19
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	20	0.19
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	2	0.19
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	20	0.19
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	4	0.19
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	4	0.19
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	4	0.19
(1,2618)	1:369:A:VAL:HG11	1:429:A:TYR:HD1	2	0.19
(1,2618)	1:369:A:VAL:HG11	1:429:A:TYR:HD2	2	0.19
(1,2618)	1:369:A:VAL:HG12	1:429:A:TYR:HD1	2	0.19
(1,2618)	1:369:A:VAL:HG12	1:429:A:TYR:HD2	2	0.19
(1,2618)	1:369:A:VAL:HG13	1:429:A:TYR:HD1	2	0.19
(1,2618)	1:369:A:VAL:HG13	1:429:A:TYR:HD2	2	0.19
(1,2613)	1:361:A:LYS:HD2	1:361:A:LYS:HE3	2	0.19
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	2	0.19
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	2	0.19
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	2	0.19
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	9	0.19
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	9	0.19
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	9	0.19
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	5	0.19
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	5	0.19
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	5	0.19
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	5	0.19
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	6	0.19
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	11	0.19
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	12	0.19
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	14	0.19
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	19	0.19
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	18	0.19
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	18	0.19
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	18	0.19
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	20	0.19
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	20	0.19
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	20	0.19
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	20	0.19
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	11	0.19
(1,2509)	1:428:A:GLU:HG2	1:429:A:TYR:H	6	0.19
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	7	0.19
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	14	0.19
(1,2488)	1:350:A:GLU:HG2	1:350:A:GLU:HA	2	0.19
(1,2488)	1:350:A:GLU:HG2	1:350:A:GLU:HA	18	0.19
(1,2430)	1:368:A:ILE:HA	1:369:A:VAL:HB	10	0.19
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	1	0.19
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	1	0.19
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	1	0.19
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	3	0.19
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	3	0.19
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	3	0.19
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	7	0.19
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	7	0.19
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	7	0.19
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	13	0.19
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	13	0.19
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	13	0.19
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	13	0.19
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	13	0.19
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	13	0.19
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	16	0.19
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	20	0.19
(1,2303)	1:433:A:LEU:HG	1:433:A:LEU:HA	9	0.19
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	8	0.19
(1,2189)	1:423:A:SER:HA	1:423:A:SER:HB3	2	0.19
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	17	0.19
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	2	0.19
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	3	0.19
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	8	0.19
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	12	0.19
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	14	0.19
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	19	0.19
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	9	0.19
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	16	0.19
(1,2103)	1:402:A:PRO:HB3	1:403:A:TYR:H	16	0.19
(1,2103)	1:402:A:PRO:HB3	1:403:A:TYR:H	18	0.19
(1,2099)	1:402:A:PRO:HD3	1:403:A:TYR:H	3	0.19
(1,2093)	1:358:A:LYS:HD2	1:358:A:LYS:HE3	12	0.19
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	14	0.19
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	14	0.19
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	14	0.19
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	16	0.19
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	16	0.19
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	16	0.19
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	18	0.19
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	18	0.19
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	18	0.19
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	2	0.19
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	2	0.19
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	2	0.19
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	5	0.19
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	5	0.19
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	5	0.19
(1,1969)	1:424:A:ASP:HB2	1:424:A:ASP:H	5	0.19
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	3	0.19
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	3	0.19
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	3	0.19
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	1	0.19
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	4	0.19
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	5	0.19
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	6	0.19
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	8	0.19
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	9	0.19
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	10	0.19
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	13	0.19
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	14	0.19
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	15	0.19
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	16	0.19
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	17	0.19
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	18	0.19
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	19	0.19
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	20	0.19
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	10	0.19
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	14	0.19
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	17	0.19
(1,1928)	1:434:A:TRP:HB2	1:434:A:TRP:H	20	0.19
(1,1908)	1:341:A:GLU:HB3	1:340:A:MET:HA	17	0.19
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	8	0.19
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	1	0.19
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	2	0.19
(1,1803)	1:451:A:LYS:HD3	1:451:A:LYS:HE2	4	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	1	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	1	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	1	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	2	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	2	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	2	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	4	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	4	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	4	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	5	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	5	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	5	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	7	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	7	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	7	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	8	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	8	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	8	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	9	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	9	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	9	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	10	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	10	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	10	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	11	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	11	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	12	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	12	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	12	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	15	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	15	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	15	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	16	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	16	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	16	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	17	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	17	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	17	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	18	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	18	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	18	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	19	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	19	0.19
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	19	0.19
(1,1737)	1:401:A:THR:HA	1:402:A:PRO:HD2	17	0.19
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	6	0.19
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	16	0.19
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	6	0.19
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	6	0.19
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	18	0.19
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	1	0.19
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	6	0.19
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	9	0.19
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	15	0.19
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	1	0.19
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	2	0.19
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	4	0.19
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	5	0.19
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	6	0.19
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	7	0.19
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	8	0.19
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	9	0.19
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	10	0.19
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	11	0.19
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	12	0.19
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	14	0.19
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	16	0.19
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	17	0.19
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	18	0.19
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	19	0.19
(1,1556)	1:433:A:LEU:HB3	1:433:A:LEU:HG	20	0.19
(1,1553)	1:450:A:MET:HB2	1:451:A:LYS:H	19	0.19
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	6	0.19
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	6	0.19
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	6	0.19
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	4	0.19
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	17	0.19
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	20	0.19
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	1	0.19
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	2	0.19
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	3	0.19
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	4	0.19
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	5	0.19
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	7	0.19
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	8	0.19
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	5	0.19
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	6	0.19
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	9	0.19
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	11	0.19
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	15	0.19
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	17	0.19
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	19	0.19
(1,1478)	1:435:A:LYS:HD3	1:435:A:LYS:HB3	15	0.19
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	8	0.19
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	8	0.19
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	8	0.19
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	20	0.19
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	20	0.19
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	20	0.19
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	2	0.19
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	5	0.19
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	8	0.19
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	12	0.19
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	14	0.19
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	5	0.19
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	5	0.19
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	7	0.19
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	7	0.19
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	7	0.19
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	10	0.19
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	10	0.19
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	10	0.19
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	13	0.19
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	13	0.19
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	13	0.19
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	15	0.19
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	15	0.19
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	15	0.19
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	16	0.19
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	16	0.19
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	16	0.19
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	18	0.19
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	18	0.19
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	18	0.19
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	19	0.19
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	19	0.19
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	19	0.19
(1,1400)	1:435:A:LYS:HG3	1:435:A:LYS:HE2	9	0.19
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	4	0.19
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	6	0.19
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	10	0.19
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	11	0.19
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	18	0.19
(1,1373)	1:386:A:ASN:HA	1:387:A:LYS:HB3	1	0.19
(1,1373)	1:386:A:ASN:HA	1:387:A:LYS:HB3	16	0.19
(1,1332)	1:394:A:LYS:HB3	1:394:A:LYS:HA	15	0.19
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	4	0.19
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	14	0.19
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	19	0.19
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	1	0.19
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	1	0.19
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	1	0.19
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	2	0.19
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	2	0.19
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	2	0.19
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	11	0.19
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	11	0.19
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	16	0.19
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	16	0.19
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	16	0.19
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	18	0.19
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	18	0.19
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	18	0.19
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	20	0.19
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	20	0.19
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	20	0.19
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	20	0.19
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	7	0.19
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	13	0.19
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	18	0.19
(1,1161)	1:429:A:TYR:HB2	1:429:A:TYR:H	11	0.19
(1,1161)	1:429:A:TYR:HB2	1:429:A:TYR:H	13	0.19
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	2	0.19
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	2	0.19
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	2	0.19
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	5	0.19
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	5	0.19
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	5	0.19
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	6	0.19
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	6	0.19
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	6	0.19
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	9	0.19
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	9	0.19
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	9	0.19
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	10	0.19
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	10	0.19
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	10	0.19
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	11	0.19
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	11	0.19
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	11	0.19
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	17	0.19
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	17	0.19
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	17	0.19
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	6	0.19
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	6	0.19
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	6	0.19
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	6	0.19
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	6	0.19
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	6	0.19
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	6	0.19
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	6	0.19
(1,1095)	1:428:A:GLU:HB3	1:428:A:GLU:H	18	0.19
(1,1074)	1:340:A:MET:HG2	1:341:A:GLU:H	4	0.19
(1,1074)	1:340:A:MET:HG2	1:341:A:GLU:H	11	0.19
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	1	0.19
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	19	0.19
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	6	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	5	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	5	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	5	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	11	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	11	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	11	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	12	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	12	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	12	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	13	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	13	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	13	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	15	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	15	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	15	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	18	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	18	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	18	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	20	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	20	0.19
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	20	0.19
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	17	0.19
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	9	0.19
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	9	0.19
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	9	0.19
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	12	0.19
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	12	0.19
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	12	0.19
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	3	0.19
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	4	0.19
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	10	0.19
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	12	0.19
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	16	0.19
(1,972)	1:398:A:ASP:HB2	1:399:A:ASP:H	10	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	5	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	5	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	5	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	7	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	7	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	7	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	10	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	10	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	10	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	13	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	13	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	13	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	15	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	15	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	15	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	16	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	16	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	16	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	18	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	18	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	18	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	19	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	19	0.19
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	19	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	1	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	1	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	1	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	2	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	2	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	2	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	3	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	3	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	3	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	4	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	4	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	4	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	5	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	5	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	5	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	6	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	6	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	7	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	7	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	7	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	8	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	8	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	8	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	9	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	9	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	9	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	10	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	10	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	10	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	11	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	11	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	11	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	12	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	12	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	12	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	13	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	13	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	13	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	14	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	14	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	14	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	15	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	15	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	15	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	16	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	16	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	16	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	17	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	17	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	17	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	18	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	18	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	18	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	19	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	19	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	19	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD11	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD12	20	0.19
(1,915)	1:368:A:ILE:HG13	1:368:A:ILE:HD13	20	0.19
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	9	0.19
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	9	0.19
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	9	0.19
(1,882)	1:451:A:LYS:HB2	1:450:A:MET:HA	19	0.19
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	13	0.19
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	11	0.19
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	15	0.19
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	16	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	1	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	3	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	4	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	5	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	6	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	7	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	8	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	10	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	11	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	12	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	13	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	14	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	15	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	16	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	17	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	18	0.19
(1,768)	1:450:A:MET:HA	1:450:A:MET:HB3	20	0.19
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD11	20	0.19
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD12	20	0.19
(1,744)	1:443:A:ILE:HG21	1:368:A:ILE:HD13	20	0.19
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD11	20	0.19
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD12	20	0.19
(1,744)	1:443:A:ILE:HG22	1:368:A:ILE:HD13	20	0.19
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD11	20	0.19
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD12	20	0.19
(1,744)	1:443:A:ILE:HG23	1:368:A:ILE:HD13	20	0.19
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	20	0.19
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	20	0.19
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	20	0.19
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	2	0.19
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	2	0.19
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	7	0.19
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	7	0.19
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	7	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	1	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	1	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	1	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	2	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	2	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	2	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	4	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	4	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	4	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	5	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	5	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	5	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	7	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	7	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	7	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	8	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	8	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	8	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	9	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	9	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	9	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	10	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	10	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	10	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	12	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	12	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	12	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	13	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	13	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	13	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	16	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	16	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	16	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	17	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	17	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	17	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	18	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	18	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	19	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	19	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	19	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	20	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	20	0.19
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	20	0.19
(1,672)	1:358:A:LYS:HB2	1:358:A:LYS:HE3	15	0.19
(1,659)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	2	0.19
(1,659)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	12	0.19
(1,651)	1:445:A:THR:HB	1:446:A:PRO:HA	16	0.19
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	11	0.19
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	11	0.19
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	11	0.19
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	15	0.19
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	15	0.19
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	15	0.19
(1,613)	1:407:A:VAL:HG21	1:408:A:ASN:H	7	0.19
(1,613)	1:407:A:VAL:HG22	1:408:A:ASN:H	7	0.19
(1,613)	1:407:A:VAL:HG23	1:408:A:ASN:H	7	0.19
(1,613)	1:407:A:VAL:HG21	1:408:A:ASN:H	11	0.19
(1,613)	1:407:A:VAL:HG22	1:408:A:ASN:H	11	0.19
(1,613)	1:407:A:VAL:HG23	1:408:A:ASN:H	11	0.19
(1,613)	1:407:A:VAL:HG21	1:408:A:ASN:H	17	0.19
(1,613)	1:407:A:VAL:HG22	1:408:A:ASN:H	17	0.19
(1,613)	1:407:A:VAL:HG23	1:408:A:ASN:H	17	0.19
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	2	0.19
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	10	0.19
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	4	0.19
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	5	0.19
(1,582)	1:358:A:LYS:HD2	1:358:A:LYS:H	7	0.19
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	14	0.19
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	16	0.19
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	2	0.19
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	14	0.19
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	16	0.19
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	9	0.19
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	12	0.19
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	13	0.19
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	14	0.19
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	17	0.19
(1,425)	1:450:A:MET:HB3	1:450:A:MET:HG2	19	0.19
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD1	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD2	5	0.19
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD1	5	0.19
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD2	5	0.19
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD1	5	0.19
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD2	5	0.19
(1,379)	1:402:A:PRO:HD2	1:401:A:THR:HA	17	0.19
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	10	0.19
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	10	0.19
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	10	0.19
(1,360)	1:444:A:ASN:HB2	1:443:A:ILE:HA	17	0.19
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	10	0.19
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	10	0.19
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	10	0.19
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	9	0.19
(1,298)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	1	0.19
(1,298)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	8	0.19
(1,298)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	9	0.19
(1,298)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	12	0.19
(1,298)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	17	0.19
(1,298)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	19	0.19
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	15	0.19
(1,261)	1:358:A:LYS:HG2	1:358:A:LYS:HD2	2	0.19
(1,261)	1:358:A:LYS:HG2	1:358:A:LYS:HD2	12	0.19
(1,252)	1:397:A:ASN:HA	1:396:A:THR:H	6	0.19
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	16	0.19
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	3	0.19
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	3	0.19
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	3	0.19
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	11	0.19
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	11	0.19
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	11	0.19
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	14	0.19
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	14	0.19
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	14	0.19
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	18	0.19
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	18	0.19
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	18	0.19
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	5	0.19
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	5	0.19
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	5	0.19
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	17	0.19
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	17	0.19
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	16	0.19
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	20	0.19
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	4	0.19
(1,110)	1:433:A:LEU:HA	1:433:A:LEU:HG	9	0.19
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	1	0.19
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	3	0.19
(1,94)	1:401:A:THR:HA	1:402:A:PRO:HG3	17	0.19
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	2	0.19
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	9	0.19
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	9	0.19
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	9	0.19
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	9	0.19
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	9	0.19
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	9	0.19
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	9	0.19
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	9	0.19
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	9	0.19
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	20	0.19
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	20	0.19
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	20	0.19
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	20	0.19
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	20	0.19
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	20	0.19
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	20	0.19
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	20	0.19
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	20	0.19
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	3	0.18
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	6	0.18
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	7	0.18
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	8	0.18
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	9	0.18
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	11	0.18
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	12	0.18
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	13	0.18
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	14	0.18
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	15	0.18
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	16	0.18
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	17	0.18
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	18	0.18
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	19	0.18
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	7	0.18
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	9	0.18
(1,4955)	1:451:A:LYS:H	1:451:A:LYS:HG3	18	0.18
(1,4945)	1:441:A:GLY:H	1:372:A:LYS:H	2	0.18
(1,4945)	1:441:A:GLY:H	1:372:A:LYS:H	17	0.18
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	15	0.18
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	19	0.18
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	9	0.18
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	9	0.18
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	9	0.18
(1,4920)	1:450:A:MET:H	1:450:A:MET:HB2	15	0.18
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	12	0.18
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	14	0.18
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	4	0.18
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	6	0.18
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	3	0.18
(1,4857)	1:438:A:GLY:H	1:372:A:LYS:HB3	18	0.18
(1,4854)	1:351:A:ASN:HD22	1:351:A:ASN:H	5	0.18
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	1	0.18
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	2	0.18
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	8	0.18
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	11	0.18
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	2	0.18
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	18	0.18
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	20	0.18
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	12	0.18
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	15	0.18
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	12	0.18
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	18	0.18
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	3	0.18
(1,4762)	1:444:A:ASN:H	1:368:A:ILE:HB	17	0.18
(1,4729)	1:407:A:VAL:H	1:406:A:PRO:HB2	16	0.18
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	5	0.18
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	5	0.18
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	5	0.18
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	5	0.18
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	5	0.18
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	5	0.18
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	19	0.18
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	19	0.18
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	19	0.18
(1,4688)	1:463:A:VAL:H	1:383:A:TYR:HA	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4686)	1:348:A:ASP:H	1:353:A:HIS:H	19	0.18
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	3	0.18
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	4	0.18
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	6	0.18
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	7	0.18
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	8	0.18
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	9	0.18
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	11	0.18
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	12	0.18
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	13	0.18
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	14	0.18
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	15	0.18
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	17	0.18
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	18	0.18
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	19	0.18
(1,4639)	1:354:A:MET:H	1:354:A:MET:HA	20	0.18
(1,4604)	1:343:A:THR:H	1:343:A:THR:HB	11	0.18
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	20	0.18
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	2	0.18
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	6	0.18
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	8	0.18
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	19	0.18
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	1	0.18
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	2	0.18
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	8	0.18
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	11	0.18
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	1	0.18
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	8	0.18
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	15	0.18
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	20	0.18
(1,4527)	1:441:A:GLY:H	1:439:A:SER:H	12	0.18
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	3	0.18
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	16	0.18
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	8	0.18
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	16	0.18
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	1	0.18
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	2	0.18
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	14	0.18
(1,4461)	1:443:A:ILE:H	1:443:A:ILE:HA	4	0.18
(1,4447)	1:387:A:LYS:H	1:459:A:LYS:HG2	13	0.18
(1,4447)	1:387:A:LYS:H	1:459:A:LYS:HG2	14	0.18
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	2	0.18
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	2	0.18
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	15	0.18
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	15	0.18
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	15	0.18
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	18	0.18
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	18	0.18
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	18	0.18
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	20	0.18
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	20	0.18
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	20	0.18
(1,4423)	1:422:A:ASP:H	1:409:A:TYR:H	4	0.18
(1,4423)	1:422:A:ASP:H	1:409:A:TYR:H	6	0.18
(1,4423)	1:422:A:ASP:H	1:409:A:TYR:H	20	0.18
(1,4404)	1:417:A:GLY:H	1:417:A:GLY:HA2	5	0.18
(1,4404)	1:417:A:GLY:H	1:417:A:GLY:HA2	17	0.18
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	2	0.18
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	4	0.18
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	5	0.18
(1,4339)	1:372:A:LYS:H	1:372:A:LYS:HG2	2	0.18
(1,4339)	1:372:A:LYS:H	1:372:A:LYS:HG2	12	0.18
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	2	0.18
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	20	0.18
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	18	0.18
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	18	0.18
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	1	0.18
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	7	0.18
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	8	0.18
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	10	0.18
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	11	0.18
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	12	0.18
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	13	0.18
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	15	0.18
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	17	0.18
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	18	0.18
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	20	0.18
(1,4283)	1:374:A:THR:H	1:375:A:THR:H	8	0.18
(1,4283)	1:374:A:THR:H	1:375:A:THR:H	11	0.18
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG11	2	0.18
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG12	2	0.18
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG13	2	0.18
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG11	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG12	13	0.18
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG13	13	0.18
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD21	6	0.18
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD22	6	0.18
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD23	6	0.18
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	1	0.18
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	6	0.18
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	16	0.18
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	17	0.18
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	12	0.18
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	13	0.18
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	7	0.18
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	8	0.18
(1,4185)	1:426:A:GLN:H	1:426:A:GLN:HB3	10	0.18
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	8	0.18
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	10	0.18
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	14	0.18
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	20	0.18
(1,4162)	1:353:A:HIS:H	1:348:A:ASP:H	19	0.18
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	10	0.18
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	7	0.18
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	17	0.18
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	1	0.18
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	18	0.18
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	20	0.18
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	13	0.18
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	4	0.18
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	6	0.18
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	10	0.18
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	11	0.18
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	13	0.18
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	14	0.18
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	16	0.18
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	18	0.18
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	18	0.18
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	18	0.18
(1,3869)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	16	0.18
(1,3856)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	16	0.18
(1,3856)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	16	0.18
(1,3856)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	17	0.18
(1,3856)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	17	0.18
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3819)	1:425:A:TRP:HE3	1:425:A:TRP:HA	5	0.18
(1,3798)	1:466:A:PHE:HD1	1:464:A:LEU:HG	19	0.18
(1,3798)	1:466:A:PHE:HD2	1:464:A:LEU:HG	19	0.18
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	15	0.18
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	15	0.18
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	15	0.18
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	15	0.18
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	15	0.18
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	15	0.18
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	16	0.18
(1,3776)	1:383:A:TYR:HD1	1:462:A:PRO:HG3	10	0.18
(1,3776)	1:383:A:TYR:HD2	1:462:A:PRO:HG3	10	0.18
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	6	0.18
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	6	0.18
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	11	0.18
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	11	0.18
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	15	0.18
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	15	0.18
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	16	0.18
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	16	0.18
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	18	0.18
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	18	0.18
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	3	0.18
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	3	0.18
(1,3706)	1:355:A:TRP:HH2	1:348:A:ASP:HB2	10	0.18
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	2	0.18
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	2	0.18
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	4	0.18
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	4	0.18
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	6	0.18
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	6	0.18
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	8	0.18
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	8	0.18
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	10	0.18
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	10	0.18
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	20	0.18
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	20	0.18
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	5	0.18
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	11	0.18
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	12	0.18
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	13	0.18
(1,3586)	1:466:A:PHE:HE1	1:348:A:ASP:HB2	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3586)	1:466:A:PHE:HE2	1:348:A:ASP:HB2	16	0.18
(1,3578)	1:356:A:TYR:HE1	1:343:A:THR:HG21	2	0.18
(1,3578)	1:356:A:TYR:HE1	1:343:A:THR:HG22	2	0.18
(1,3578)	1:356:A:TYR:HE1	1:343:A:THR:HG23	2	0.18
(1,3578)	1:356:A:TYR:HE2	1:343:A:THR:HG21	2	0.18
(1,3578)	1:356:A:TYR:HE2	1:343:A:THR:HG22	2	0.18
(1,3578)	1:356:A:TYR:HE2	1:343:A:THR:HG23	2	0.18
(1,3577)	1:403:A:TYR:HD1	1:395:A:GLY:HA2	7	0.18
(1,3577)	1:403:A:TYR:HD2	1:395:A:GLY:HA2	7	0.18
(1,3577)	1:403:A:TYR:HD1	1:395:A:GLY:HA2	11	0.18
(1,3577)	1:403:A:TYR:HD2	1:395:A:GLY:HA2	11	0.18
(1,3577)	1:403:A:TYR:HD1	1:395:A:GLY:HA2	16	0.18
(1,3577)	1:403:A:TYR:HD2	1:395:A:GLY:HA2	16	0.18
(1,3577)	1:403:A:TYR:HD1	1:395:A:GLY:HA2	19	0.18
(1,3577)	1:403:A:TYR:HD2	1:395:A:GLY:HA2	19	0.18
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	4	0.18
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	4	0.18
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	7	0.18
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	7	0.18
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	14	0.18
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	14	0.18
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	18	0.18
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	18	0.18
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG11	10	0.18
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG12	10	0.18
(1,3541)	1:410:A:TRP:HE3	1:407:A:VAL:HG13	10	0.18
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	2	0.18
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	2	0.18
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	2	0.18
(1,3525)	1:355:A:TRP:HE3	1:354:A:MET:HA	5	0.18
(1,3513)	1:394:A:LYS:HB3	1:394:A:LYS:HE3	6	0.18
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	2	0.18
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	19	0.18
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	9	0.18
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	20	0.18
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	5	0.18
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	13	0.18
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	16	0.18
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	15	0.18
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	17	0.18
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	5	0.18
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	5	0.18
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	8	0.18
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	8	0.18
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	8	0.18
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	20	0.18
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	20	0.18
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	20	0.18
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	7	0.18
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	19	0.18
(1,3367)	1:369:A:VAL:HG21	1:370:A:SER:H	1	0.18
(1,3367)	1:369:A:VAL:HG22	1:370:A:SER:H	1	0.18
(1,3367)	1:369:A:VAL:HG23	1:370:A:SER:H	1	0.18
(1,3367)	1:369:A:VAL:HG21	1:370:A:SER:H	4	0.18
(1,3367)	1:369:A:VAL:HG22	1:370:A:SER:H	4	0.18
(1,3367)	1:369:A:VAL:HG23	1:370:A:SER:H	4	0.18
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	2	0.18
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	7	0.18
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	9	0.18
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	12	0.18
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	18	0.18
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	19	0.18
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	20	0.18
(1,3351)	1:340:A:MET:HB3	1:340:A:MET:HA	2	0.18
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	1	0.18
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	2	0.18
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	4	0.18
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	10	0.18
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	17	0.18
(1,3323)	1:437:A:ARG:HG2	1:437:A:ARG:HE	9	0.18
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	2	0.18
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	4	0.18
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	7	0.18
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	14	0.18
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	15	0.18
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	16	0.18
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	18	0.18
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	19	0.18
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	1	0.18
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	2	0.18
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	3	0.18
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	6	0.18
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	9	0.18
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	12	0.18
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	15	0.18
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	4	0.18
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	4	0.18
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	4	0.18
(1,3299)	1:340:A:MET:HB3	1:341:A:GLU:HA	12	0.18
(1,3299)	1:340:A:MET:HB3	1:341:A:GLU:HA	13	0.18
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	5	0.18
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	16	0.18
(1,3265)	1:450:A:MET:HA	1:451:A:LYS:H	19	0.18
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	9	0.18
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	2	0.18
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	3	0.18
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	4	0.18
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	7	0.18
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	9	0.18
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	10	0.18
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	12	0.18
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	13	0.18
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	14	0.18
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	19	0.18
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	20	0.18
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	3	0.18
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	10	0.18
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	11	0.18
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	20	0.18
(1,3193)	1:349:A:LEU:HB2	1:349:A:LEU:HA	18	0.18
(1,3182)	1:351:A:ASN:HB2	1:352:A:GLN:H	15	0.18
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	11	0.18
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	19	0.18
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	6	0.18
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	16	0.18
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	1	0.18
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	3	0.18
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	7	0.18
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	8	0.18
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	14	0.18
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	20	0.18
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	11	0.18
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	11	0.18
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	11	0.18
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	11	0.18
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	11	0.18
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	11	0.18
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	11	0.18
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	11	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	1	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	1	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	1	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	2	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	2	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	2	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	3	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	3	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	3	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	4	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	4	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	4	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	5	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	5	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	5	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	6	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	6	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	6	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	7	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	7	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	7	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	8	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	8	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	8	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	9	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	9	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	9	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	10	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	10	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	10	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	11	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	11	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	11	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	12	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	12	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	13	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	13	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	13	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	14	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	14	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	14	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	15	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	15	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	15	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	16	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	16	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	16	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	17	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	17	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	17	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	18	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	18	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	18	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	19	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	19	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	19	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD11	20	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD12	20	0.18
(1,3009)	1:420:A:ILE:HG13	1:420:A:ILE:HD13	20	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	1	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	1	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	1	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	3	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	3	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	3	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	4	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	4	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	4	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	5	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	5	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	5	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	8	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	8	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	8	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	9	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	9	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	10	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	10	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	10	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	11	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	11	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	11	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	12	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	12	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	12	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	13	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	13	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	13	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	15	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	15	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	15	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	17	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	17	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	17	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	18	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	18	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	18	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	19	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	19	0.18
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	19	0.18
(1,2978)	1:451:A:LYS:HB3	1:451:A:LYS:HG2	8	0.18
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	10	0.18
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	10	0.18
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	10	0.18
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	6	0.18
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	7	0.18
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	13	0.18
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	19	0.18
(1,2893)	1:399:A:ASP:HB2	1:400:A:GLY:H	2	0.18
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	14	0.18
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	16	0.18
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	5	0.18
(1,2819)	1:340:A:MET:HG3	1:340:A:MET:HA	13	0.18
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	10	0.18
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	10	0.18
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	10	0.18
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	3	0.18
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	4	0.18
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	4	0.18
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	4	0.18
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	15	0.18
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	5	0.18
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	8	0.18
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	8	0.18
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	8	0.18
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	12	0.18
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	12	0.18
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	12	0.18
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	19	0.18
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	19	0.18
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	19	0.18
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	2	0.18
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	2	0.18
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	2	0.18
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	4	0.18
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	4	0.18
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	4	0.18
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	7	0.18
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	7	0.18
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	7	0.18
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	9	0.18
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	9	0.18
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	9	0.18
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	11	0.18
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	11	0.18
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	11	0.18
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	12	0.18
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	12	0.18
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	12	0.18
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	13	0.18
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	13	0.18
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	13	0.18
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	15	0.18
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	15	0.18
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	15	0.18
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	16	0.18
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	16	0.18
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	16	0.18
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	17	0.18
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	17	0.18
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	20	0.18
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	20	0.18
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	20	0.18
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	2	0.18
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	7	0.18
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	8	0.18
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	9	0.18
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	10	0.18
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	16	0.18
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	7	0.18
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	7	0.18
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	7	0.18
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG21	13	0.18
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG22	13	0.18
(1,2543)	1:461:A:THR:HA	1:461:A:THR:HG23	13	0.18
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	7	0.18
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	1	0.18
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	3	0.18
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	7	0.18
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	8	0.18
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	14	0.18
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	20	0.18
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	6	0.18
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	7	0.18
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	8	0.18
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	3	0.18
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	20	0.18
(1,2488)	1:350:A:GLU:HG2	1:350:A:GLU:HA	11	0.18
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	6	0.18
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	6	0.18
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	6	0.18
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	12	0.18
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	12	0.18
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	12	0.18
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	17	0.18
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	17	0.18
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	17	0.18
(1,2402)	1:394:A:LYS:HB3	1:394:A:LYS:HE2	15	0.18
(1,2398)	1:402:A:PRO:HG3	1:402:A:PRO:HD3	20	0.18
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	12	0.18
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	12	0.18
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	17	0.18
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	17	0.18
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	17	0.18
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	20	0.18
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	20	0.18
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	20	0.18
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	1	0.18
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	2	0.18
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	3	0.18
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	6	0.18
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	7	0.18
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	12	0.18
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	13	0.18
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	14	0.18
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	17	0.18
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	18	0.18
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	19	0.18
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	18	0.18
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	19	0.18
(1,2248)	1:361:A:LYS:HE2	1:361:A:LYS:HD3	7	0.18
(1,2248)	1:361:A:LYS:HE2	1:361:A:LYS:HD3	8	0.18
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	5	0.18
(1,2211)	1:361:A:LYS:HE2	1:361:A:LYS:HB3	4	0.18
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	4	0.18
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	11	0.18
(1,2178)	1:341:A:GLU:HG2	1:341:A:GLU:HB2	16	0.18
(1,2127)	1:411:A:MET:HB3	1:411:A:MET:H	14	0.18
(1,2127)	1:411:A:MET:HB3	1:411:A:MET:H	20	0.18
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	13	0.18
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	20	0.18
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	1	0.18
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	2	0.18
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	3	0.18
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	4	0.18
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	5	0.18
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	6	0.18
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	7	0.18
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	8	0.18
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	10	0.18
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	13	0.18
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	14	0.18
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	15	0.18
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	18	0.18
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	19	0.18
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	20	0.18
(1,2103)	1:402:A:PRO:HB3	1:403:A:TYR:H	11	0.18
(1,2093)	1:358:A:LYS:HD2	1:358:A:LYS:HE3	2	0.18
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	8	0.18
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	8	0.18
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	8	0.18
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	15	0.18
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	15	0.18
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	15	0.18
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	20	0.18
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	20	0.18
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	20	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	1	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	1	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	1	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	3	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	3	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	3	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	4	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	4	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	4	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	6	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	6	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	6	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	7	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	7	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	7	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	8	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	8	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	8	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	9	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	9	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	9	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	10	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	10	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	10	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	11	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	11	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	12	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	12	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	12	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	13	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	13	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	13	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	14	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	14	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	14	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	15	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	15	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	15	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	16	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	16	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	16	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	17	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	17	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	17	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	18	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	18	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	18	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	19	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	19	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	19	0.18
(1,1984)	1:453:A:LEU:HD21	1:453:A:LEU:HG	20	0.18
(1,1984)	1:453:A:LEU:HD22	1:453:A:LEU:HG	20	0.18
(1,1984)	1:453:A:LEU:HD23	1:453:A:LEU:HG	20	0.18
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	10	0.18
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	14	0.18
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	18	0.18
(1,1969)	1:424:A:ASP:HB2	1:424:A:ASP:H	3	0.18
(1,1969)	1:424:A:ASP:HB2	1:424:A:ASP:H	7	0.18
(1,1969)	1:424:A:ASP:HB2	1:424:A:ASP:H	15	0.18
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	2	0.18
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	2	0.18
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	2	0.18
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	2	0.18
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	3	0.18
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	7	0.18
(1,1936)	1:456:A:MET:HB2	1:456:A:MET:HG2	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG11	16	0.18
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG12	16	0.18
(1,1911)	1:413:A:ILE:HG21	1:463:A:VAL:HG13	16	0.18
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG11	16	0.18
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG12	16	0.18
(1,1911)	1:413:A:ILE:HG22	1:463:A:VAL:HG13	16	0.18
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG11	16	0.18
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG12	16	0.18
(1,1911)	1:413:A:ILE:HG23	1:463:A:VAL:HG13	16	0.18
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	5	0.18
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	6	0.18
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	2	0.18
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	13	0.18
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	13	0.18
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	13	0.18
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	17	0.18
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	17	0.18
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	17	0.18
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	5	0.18
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	5	0.18
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	5	0.18
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	15	0.18
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	15	0.18
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	15	0.18
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	3	0.18
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	3	0.18
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	3	0.18
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	6	0.18
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	6	0.18
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	6	0.18
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	13	0.18
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	13	0.18
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	13	0.18
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	14	0.18
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	14	0.18
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	14	0.18
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD11	20	0.18
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD12	20	0.18
(1,1758)	1:368:A:ILE:HG12	1:368:A:ILE:HD13	20	0.18
(1,1715)	1:459:A:LYS:HE3	1:459:A:LYS:HG3	5	0.18
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	11	0.18
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	5	0.18
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	5	0.18
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	5	0.18
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	7	0.18
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	7	0.18
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	7	0.18
(1,1604)	1:459:A:LYS:HG3	1:459:A:LYS:HE3	5	0.18
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	14	0.18
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	14	0.18
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	14	0.18
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	17	0.18
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	17	0.18
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	17	0.18
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	2	0.18
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	15	0.18
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	16	0.18
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	17	0.18
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	20	0.18
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	8	0.18
(1,1528)	1:379:A:ALA:HB1	1:466:A:PHE:H	1	0.18
(1,1528)	1:379:A:ALA:HB2	1:466:A:PHE:H	1	0.18
(1,1528)	1:379:A:ALA:HB3	1:466:A:PHE:H	1	0.18
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	13	0.18
(1,1493)	1:457:A:VAL:HA	1:457:A:VAL:H	6	0.18
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	2	0.18
(1,1482)	1:354:A:MET:HA	1:354:A:MET:HG3	7	0.18
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	1	0.18
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	1	0.18
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	1	0.18
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	11	0.18
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	11	0.18
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	11	0.18
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	14	0.18
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	14	0.18
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	14	0.18
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	18	0.18
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	18	0.18
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	18	0.18
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	1	0.18
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	3	0.18
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	4	0.18
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	7	0.18
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	9	0.18
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	10	0.18
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	11	0.18
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	15	0.18
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	16	0.18
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	17	0.18
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	18	0.18
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	19	0.18
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	20	0.18
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	1	0.18
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	1	0.18
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	1	0.18
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	4	0.18
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	4	0.18
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	4	0.18
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	8	0.18
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	8	0.18
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	8	0.18
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	9	0.18
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	9	0.18
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	9	0.18
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	14	0.18
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	14	0.18
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	14	0.18
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	17	0.18
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	17	0.18
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	17	0.18
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	1	0.18
(1,1433)	1:394:A:LYS:HB2	1:394:A:LYS:HD2	8	0.18
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	10	0.18
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	1	0.18
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	1	0.18
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	1	0.18
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	6	0.18
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	6	0.18
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	6	0.18
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	8	0.18
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	8	0.18
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	8	0.18
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	14	0.18
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	14	0.18
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	19	0.18
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	19	0.18
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	19	0.18
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	20	0.18
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	20	0.18
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	20	0.18
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	9	0.18
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	5	0.18
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	19	0.18
(1,1355)	1:396:A:THR:HG21	1:400:A:GLY:HA2	15	0.18
(1,1355)	1:396:A:THR:HG22	1:400:A:GLY:HA2	15	0.18
(1,1355)	1:396:A:THR:HG23	1:400:A:GLY:HA2	15	0.18
(1,1355)	1:396:A:THR:HG21	1:400:A:GLY:HA2	18	0.18
(1,1355)	1:396:A:THR:HG22	1:400:A:GLY:HA2	18	0.18
(1,1355)	1:396:A:THR:HG23	1:400:A:GLY:HA2	18	0.18
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	4	0.18
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	1	0.18
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	8	0.18
(1,1284)	1:406:A:PRO:HG3	1:405:A:SER:HA	8	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	3	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	3	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	3	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	4	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	4	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	4	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	5	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	5	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	5	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	6	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	6	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	6	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	7	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	7	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	7	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	8	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	8	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	8	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	9	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	9	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	9	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	10	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	10	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	12	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	12	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	12	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	13	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	13	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	13	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	14	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	14	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	14	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	15	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	15	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	15	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	17	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	17	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	17	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG21	19	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG22	19	0.18
(1,1275)	1:396:A:THR:HB	1:396:A:THR:HG23	19	0.18
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	5	0.18
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	3	0.18
(1,1210)	1:442:A:CYS:HB2	1:443:A:ILE:H	2	0.18
(1,1175)	1:387:A:LYS:HB2	1:388:A:GLU:H	7	0.18
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	10	0.18
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	14	0.18
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	15	0.18
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	18	0.18
(1,1161)	1:429:A:TYR:HB2	1:429:A:TYR:H	5	0.18
(1,1161)	1:429:A:TYR:HB2	1:429:A:TYR:H	15	0.18
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	1	0.18
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	1	0.18
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	1	0.18
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	3	0.18
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	3	0.18
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	3	0.18
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	4	0.18
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	4	0.18
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	4	0.18
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	7	0.18
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	7	0.18
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	8	0.18
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	8	0.18
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	8	0.18
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	12	0.18
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	12	0.18
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	12	0.18
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	13	0.18
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	13	0.18
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	13	0.18
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	14	0.18
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	14	0.18
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	14	0.18
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	15	0.18
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	15	0.18
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	15	0.18
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	16	0.18
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	16	0.18
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	16	0.18
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	18	0.18
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	18	0.18
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	18	0.18
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	19	0.18
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	19	0.18
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	19	0.18
(1,1145)	1:393:A:LEU:HD11	1:393:A:LEU:HG	20	0.18
(1,1145)	1:393:A:LEU:HD12	1:393:A:LEU:HG	20	0.18
(1,1145)	1:393:A:LEU:HD13	1:393:A:LEU:HG	20	0.18
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	10	0.18
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	10	0.18
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	10	0.18
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	10	0.18
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	10	0.18
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	10	0.18
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	10	0.18
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	10	0.18
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	10	0.18
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	14	0.18
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	17	0.18
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	19	0.18
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	20	0.18
(1,1074)	1:340:A:MET:HG2	1:341:A:GLU:H	12	0.18
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	4	0.18
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	4	0.18
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	4	0.18
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	10	0.18
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	10	0.18
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	10	0.18
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD11	16	0.18
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD12	16	0.18
(1,1038)	1:420:A:ILE:HB	1:420:A:ILE:HD13	16	0.18
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	14	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	1	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	1	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	1	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	2	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	2	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	2	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	3	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	3	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	3	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	5	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	5	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	5	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	6	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	6	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	6	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	9	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	9	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	9	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	11	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	11	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	11	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	13	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	13	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	13	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	16	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	16	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	16	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	20	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	20	0.18
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	20	0.18
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	8	0.18
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	5	0.18
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	5	0.18
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	11	0.18
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	11	0.18
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	11	0.18
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	14	0.18
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	14	0.18
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	14	0.18
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	18	0.18
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	18	0.18
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	18	0.18
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	6	0.18
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	14	0.18
(1,995)	1:442:A:CYS:HB2	1:442:A:CYS:H	20	0.18
(1,972)	1:398:A:ASP:HB2	1:399:A:ASP:H	3	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	1	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	1	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	1	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	4	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	4	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	4	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	8	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	8	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	8	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	9	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	9	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	9	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	14	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	14	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	14	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	17	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	17	0.18
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	17	0.18
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	5	0.18
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	5	0.18
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE1	9	0.18
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE2	9	0.18
(1,866)	1:456:A:MET:HG2	1:456:A:MET:HE3	9	0.18
(1,743)	1:389:A:GLU:HG3	1:389:A:GLU:H	11	0.18
(1,720)	1:342:A:ASP:HB2	1:344:A:TYR:H	1	0.18
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	5	0.18
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	5	0.18
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	3	0.18
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	3	0.18
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	3	0.18
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	15	0.18
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	15	0.18
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	15	0.18
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	17	0.18
(1,667)	1:408:A:ASN:HA	1:408:A:ASN:H	16	0.18
(1,613)	1:407:A:VAL:HG21	1:408:A:ASN:H	20	0.18
(1,613)	1:407:A:VAL:HG22	1:408:A:ASN:H	20	0.18
(1,613)	1:407:A:VAL:HG23	1:408:A:ASN:H	20	0.18
(1,583)	1:376:A:PRO:HB2	1:377:A:THR:HA	8	0.18
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	7	0.18
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	12	0.18
(1,561)	1:372:A:LYS:HG2	1:372:A:LYS:HA	8	0.18
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	9	0.18
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	20	0.18
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	10	0.18
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	14	0.18
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	7	0.18
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	12	0.18
(1,445)	1:398:A:ASP:HB3	1:398:A:ASP:HA	9	0.18
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	6	0.18
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	1	0.18
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	5	0.18
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	7	0.18
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	11	0.18
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	15	0.18
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	16	0.18
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD1	7	0.18
(1,406)	1:345:A:ILE:HG21	1:356:A:TYR:HD2	7	0.18
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD1	7	0.18
(1,406)	1:345:A:ILE:HG22	1:356:A:TYR:HD2	7	0.18
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD1	7	0.18
(1,406)	1:345:A:ILE:HG23	1:356:A:TYR:HD2	7	0.18
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	6	0.18
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	6	0.18
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	6	0.18
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	11	0.18
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	11	0.18
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	9	0.18
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	9	0.18
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	9	0.18
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	17	0.18
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	17	0.18
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	17	0.18
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	20	0.18
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	20	0.18
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	20	0.18
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	1	0.18
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	1	0.18
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	1	0.18
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	2	0.18
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	2	0.18
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	2	0.18
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	3	0.18
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	3	0.18
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	3	0.18
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	5	0.18
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	5	0.18
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	5	0.18
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	6	0.18
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	6	0.18
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	6	0.18
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	9	0.18
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	9	0.18
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	9	0.18
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	11	0.18
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	11	0.18
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	11	0.18
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	13	0.18
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	13	0.18
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	13	0.18
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	16	0.18
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	16	0.18
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	16	0.18
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	20	0.18
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	20	0.18
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	20	0.18
(1,310)	1:428:A:GLU:HB2	1:428:A:GLU:HA	14	0.18
(1,310)	1:428:A:GLU:HB2	1:428:A:GLU:HA	18	0.18
(1,298)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,298)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	13	0.18
(1,298)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	15	0.18
(1,298)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	18	0.18
(1,298)	1:387:A:LYS:HD3	1:387:A:LYS:HE2	20	0.18
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	16	0.18
(1,252)	1:397:A:ASN:HA	1:396:A:THR:H	3	0.18
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	11	0.18
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	20	0.18
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	1	0.18
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	2	0.18
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	4	0.18
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	6	0.18
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	7	0.18
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	9	0.18
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	12	0.18
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	14	0.18
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	17	0.18
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	18	0.18
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	9	0.18
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	9	0.18
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	9	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	7	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	7	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	7	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	10	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	10	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	10	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	11	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	11	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	11	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	12	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	12	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	12	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	13	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	13	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	13	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	16	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	16	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	16	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	18	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	18	0.18
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	1	0.18
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	2	0.18
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	3	0.18
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	6	0.18
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	7	0.18
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	12	0.18
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	13	0.18
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	14	0.18
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	17	0.18
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	18	0.18
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	19	0.18
(1,120)	1:358:A:LYS:HD3	1:358:A:LYS:H	3	0.18
(1,120)	1:358:A:LYS:HD3	1:358:A:LYS:H	12	0.18
(1,111)	1:423:A:SER:HA	1:425:A:TRP:H	4	0.18
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	5	0.18
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	5	0.18
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	5	0.18
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	8	0.18
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	8	0.18
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	8	0.18
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	17	0.18
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	17	0.18
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	17	0.18
(1,99)	1:365:A:GLU:HB2	1:365:A:GLU:HA	2	0.18
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	3	0.18
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	16	0.18
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	19	0.18
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	1	0.17
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	5	0.17
(1,5001)	1:445:A:THR:H	1:445:A:THR:HA	10	0.17
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	2	0.17
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	5	0.17
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	8	0.17
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	16	0.17
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	3	0.17
(1,4945)	1:441:A:GLY:H	1:372:A:LYS:H	1	0.17
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	5	0.17
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	5	0.17
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	5	0.17
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	7	0.17
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	7	0.17
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	16	0.17
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	16	0.17
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	16	0.17
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	19	0.17
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	19	0.17
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	19	0.17
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	5	0.17
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	1	0.17
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	5	0.17
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	9	0.17
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	11	0.17
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	18	0.17
(1,4857)	1:438:A:GLY:H	1:372:A:LYS:HB3	8	0.17
(1,4857)	1:438:A:GLY:H	1:372:A:LYS:HB3	13	0.17
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	5	0.17
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	13	0.17
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	19	0.17
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	1	0.17
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	2	0.17
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	3	0.17
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	4	0.17
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	5	0.17
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	6	0.17
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	7	0.17
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	9	0.17
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	13	0.17
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	17	0.17
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	18	0.17
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	10	0.17
(1,4604)	1:343:A:THR:H	1:343:A:THR:HB	9	0.17
(1,4604)	1:343:A:THR:H	1:343:A:THR:HB	12	0.17
(1,4604)	1:343:A:THR:H	1:343:A:THR:HB	15	0.17
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	2	0.17
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	9	0.17
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	3	0.17
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	4	0.17
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	5	0.17
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	7	0.17
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	10	0.17
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	11	0.17
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	14	0.17
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	16	0.17
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	17	0.17
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	18	0.17
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	5	0.17
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	3	0.17
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	6	0.17
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	9	0.17
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	19	0.17
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	4	0.17
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	18	0.17
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	15	0.17
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG21	1	0.17
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG22	1	0.17
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG23	1	0.17
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG21	12	0.17
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG22	12	0.17
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG23	12	0.17
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG21	20	0.17
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG22	20	0.17
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG23	20	0.17
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	8	0.17
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	15	0.17
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	2	0.17
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	3	0.17
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	10	0.17
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	15	0.17
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	10	0.17
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	7	0.17
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	7	0.17
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	7	0.17
(1,4427)	1:466:A:PHE:H	1:349:A:LEU:H	2	0.17
(1,4427)	1:466:A:PHE:H	1:349:A:LEU:H	9	0.17
(1,4423)	1:422:A:ASP:H	1:409:A:TYR:H	7	0.17
(1,4423)	1:422:A:ASP:H	1:409:A:TYR:H	14	0.17
(1,4423)	1:422:A:ASP:H	1:409:A:TYR:H	15	0.17
(1,4410)	1:426:A:GLN:H	1:425:A:TRP:HD1	1	0.17
(1,4410)	1:426:A:GLN:H	1:425:A:TRP:HD1	18	0.17
(1,4404)	1:417:A:GLY:H	1:417:A:GLY:HA2	1	0.17
(1,4404)	1:417:A:GLY:H	1:417:A:GLY:HA2	12	0.17
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	13	0.17
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	19	0.17
(1,4389)	1:463:A:VAL:H	1:382:A:PHE:H	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	3	0.17
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	2	0.17
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	3	0.17
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	5	0.17
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	19	0.17
(1,4349)	1:419:A:GLY:H	1:442:A:CYS:HA	9	0.17
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	5	0.17
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	13	0.17
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	19	0.17
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	2	0.17
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	3	0.17
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	4	0.17
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	7	0.17
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	8	0.17
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	9	0.17
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	11	0.17
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	13	0.17
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	16	0.17
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	17	0.17
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG21	8	0.17
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG22	8	0.17
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG23	8	0.17
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG21	20	0.17
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG22	20	0.17
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG23	20	0.17
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	8	0.17
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	3	0.17
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	4	0.17
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	6	0.17
(1,4294)	1:380:A:GLY:H	1:380:A:GLY:HA2	14	0.17
(1,4283)	1:374:A:THR:H	1:375:A:THR:H	3	0.17
(1,4283)	1:374:A:THR:H	1:375:A:THR:H	4	0.17
(1,4283)	1:374:A:THR:H	1:375:A:THR:H	9	0.17
(1,4283)	1:374:A:THR:H	1:375:A:THR:H	19	0.17
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	6	0.17
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	17	0.17
(1,4261)	1:460:A:GLY:H	1:461:A:THR:H	1	0.17
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	5	0.17
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	20	0.17
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	2	0.17
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	11	0.17
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	14	0.17
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	15	0.17
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	20	0.17
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	7	0.17
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	17	0.17
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	19	0.17
(1,4192)	1:362:A:VAL:H	1:361:A:LYS:H	6	0.17
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	1	0.17
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	7	0.17
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	15	0.17
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	18	0.17
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	13	0.17
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	12	0.17
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	11	0.17
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	11	0.17
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	11	0.17
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	13	0.17
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	13	0.17
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	13	0.17
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	16	0.17
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	16	0.17
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	16	0.17
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	13	0.17
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	17	0.17
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	20	0.17
(1,4096)	1:445:A:THR:H	1:445:A:THR:HB	13	0.17
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	16	0.17
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	16	0.17
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	20	0.17
(1,3996)	1:396:A:THR:H	1:403:A:TYR:H	9	0.17
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	10	0.17
(1,3902)	1:454:A:PHE:HD1	1:454:A:PHE:HA	8	0.17
(1,3902)	1:454:A:PHE:HD2	1:454:A:PHE:HA	8	0.17
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	12	0.17
(1,3889)	1:410:A:TRP:HD1	1:410:A:TRP:HB3	17	0.17
(1,3819)	1:425:A:TRP:HE3	1:425:A:TRP:HA	9	0.17
(1,3798)	1:466:A:PHE:HD1	1:464:A:LEU:HG	15	0.17
(1,3798)	1:466:A:PHE:HD2	1:464:A:LEU:HG	15	0.17
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	7	0.17
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	7	0.17
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	7	0.17
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	7	0.17
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	7	0.17
(1,3790)	1:434:A:TRP:HZ3	1:376:A:PRO:HB3	4	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	1	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	2	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	3	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	4	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	5	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	6	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	7	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	8	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	9	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	10	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	11	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	12	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	13	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	14	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	15	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	16	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	17	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	18	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	19	0.17
(1,3787)	1:355:A:TRP:HE3	1:355:A:TRP:HZ3	20	0.17
(1,3776)	1:383:A:TYR:HD1	1:462:A:PRO:HG3	18	0.17
(1,3776)	1:383:A:TYR:HD2	1:462:A:PRO:HG3	18	0.17
(1,3753)	1:403:A:TYR:HE1	1:395:A:GLY:HA3	15	0.17
(1,3753)	1:403:A:TYR:HE2	1:395:A:GLY:HA3	15	0.17
(1,3740)	1:425:A:TRP:HZ2	1:423:A:SER:HB3	17	0.17
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	3	0.17
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	3	0.17
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	5	0.17
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	5	0.17
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	12	0.17
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	12	0.17
(1,3706)	1:355:A:TRP:HH2	1:348:A:ASP:HB2	13	0.17
(1,3687)	1:425:A:TRP:HE3	1:424:A:ASP:HB2	12	0.17
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	11	0.17
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	11	0.17
(1,3653)	1:466:A:PHE:HD1	1:346:A:GLU:HG3	15	0.17
(1,3653)	1:466:A:PHE:HD2	1:346:A:GLU:HG3	15	0.17
(1,3653)	1:466:A:PHE:HD1	1:346:A:GLU:HG3	19	0.17
(1,3653)	1:466:A:PHE:HD2	1:346:A:GLU:HG3	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	2	0.17
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	15	0.17
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	15	0.17
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	2	0.17
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	3	0.17
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	5	0.17
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	7	0.17
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	14	0.17
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	15	0.17
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	17	0.17
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	20	0.17
(1,3577)	1:403:A:TYR:HD1	1:395:A:GLY:HA2	5	0.17
(1,3577)	1:403:A:TYR:HD2	1:395:A:GLY:HA2	5	0.17
(1,3577)	1:403:A:TYR:HD1	1:395:A:GLY:HA2	15	0.17
(1,3577)	1:403:A:TYR:HD2	1:395:A:GLY:HA2	15	0.17
(1,3577)	1:403:A:TYR:HD1	1:395:A:GLY:HA2	18	0.17
(1,3577)	1:403:A:TYR:HD2	1:395:A:GLY:HA2	18	0.17
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	10	0.17
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	10	0.17
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	16	0.17
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	16	0.17
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	4	0.17
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	4	0.17
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	4	0.17
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	13	0.17
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	13	0.17
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	13	0.17
(1,3558)	1:410:A:TRP:HD1	1:388:A:GLU:HA	6	0.17
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	7	0.17
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	13	0.17
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	20	0.17
(1,3513)	1:394:A:LYS:HB3	1:394:A:LYS:HE3	9	0.17
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	18	0.17
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	7	0.17
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	12	0.17
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	10	0.17
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	20	0.17
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	9	0.17
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	9	0.17
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	9	0.17
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	12	0.17
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	12	0.17
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	1	0.17
(1,3367)	1:369:A:VAL:HG21	1:370:A:SER:H	8	0.17
(1,3367)	1:369:A:VAL:HG22	1:370:A:SER:H	8	0.17
(1,3367)	1:369:A:VAL:HG23	1:370:A:SER:H	8	0.17
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	4	0.17
(1,3355)	1:404:A:GLU:HB3	1:404:A:GLU:HA	17	0.17
(1,3346)	1:387:A:LYS:HB3	1:388:A:GLU:H	18	0.17
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	3	0.17
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	4	0.17
(1,3338)	1:462:A:PRO:HB3	1:463:A:VAL:HA	8	0.17
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	5	0.17
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	5	0.17
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	13	0.17
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	17	0.17
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	20	0.17
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	5	0.17
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	7	0.17
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	10	0.17
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	11	0.17
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	13	0.17
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	14	0.17
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	16	0.17
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	18	0.17
(1,3307)	1:368:A:ILE:HG21	1:368:A:ILE:H	1	0.17
(1,3307)	1:368:A:ILE:HG22	1:368:A:ILE:H	1	0.17
(1,3307)	1:368:A:ILE:HG23	1:368:A:ILE:H	1	0.17
(1,3299)	1:340:A:MET:HB3	1:341:A:GLU:HA	9	0.17
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	1	0.17
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	6	0.17
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	8	0.17
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	11	0.17
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	15	0.17
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	17	0.17
(1,3243)	1:450:A:MET:HA	1:450:A:MET:H	18	0.17
(1,3223)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	11	0.17
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	8	0.17
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	3	0.17
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	4	0.17
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	16	0.17
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	17	0.17
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	2	0.17
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	7	0.17
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	10	0.17
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	12	0.17
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	20	0.17
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	1	0.17
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	2	0.17
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	3	0.17
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	5	0.17
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	7	0.17
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	13	0.17
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	3	0.17
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	7	0.17
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	15	0.17
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	6	0.17
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	2	0.17
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	2	0.17
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	2	0.17
(1,3082)	1:408:A:ASN:HB3	1:407:A:VAL:HA	14	0.17
(1,3082)	1:408:A:ASN:HB3	1:407:A:VAL:HA	15	0.17
(1,3082)	1:408:A:ASN:HB3	1:407:A:VAL:HA	20	0.17
(1,3080)	1:339:A:HIS:HB2	1:340:A:MET:H	15	0.17
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	5	0.17
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	5	0.17
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	5	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	1	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	2	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	3	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	4	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	5	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	6	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	7	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	8	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	9	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	10	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	11	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	12	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	13	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	15	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	17	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	18	0.17
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	20	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	2	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	2	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	2	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	6	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	6	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	6	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	7	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	7	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	7	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	14	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	14	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	14	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	16	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	16	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	16	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB1	20	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB2	20	0.17
(1,2998)	1:391:A:ALA:HA	1:391:A:ALA:HB3	20	0.17
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	1	0.17
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	1	0.17
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	1	0.17
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	2	0.17
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	2	0.17
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	2	0.17
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	3	0.17
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	3	0.17
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	3	0.17
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	8	0.17
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	8	0.17
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	8	0.17
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD11	19	0.17
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD12	19	0.17
(1,2966)	1:464:A:LEU:HB2	1:464:A:LEU:HD13	19	0.17
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	2	0.17
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	3	0.17
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	8	0.17
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	17	0.17
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	18	0.17
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD11	18	0.17
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD12	18	0.17
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD13	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	7	0.17
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	7	0.17
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	7	0.17
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	11	0.17
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	11	0.17
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	11	0.17
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	12	0.17
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	12	0.17
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	12	0.17
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	2	0.17
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	2	0.17
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	2	0.17
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	13	0.17
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	13	0.17
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	13	0.17
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	19	0.17
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	19	0.17
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	19	0.17
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	10	0.17
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	13	0.17
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	2	0.17
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	5	0.17
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	6	0.17
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	1	0.17
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	8	0.17
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	19	0.17
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	19	0.17
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	19	0.17
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	1	0.17
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	6	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	1	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	1	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	1	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	2	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	2	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	2	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	3	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	3	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	3	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	5	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	5	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	6	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	6	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	6	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	7	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	7	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	7	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	8	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	8	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	8	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	9	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	9	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	9	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	10	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	10	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	10	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	11	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	11	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	11	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	12	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	12	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	12	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	13	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	13	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	13	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	14	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	14	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	14	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	15	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	15	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	15	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	16	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	16	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	16	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	17	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	17	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	17	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	18	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	18	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	18	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	19	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	19	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG21	20	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG22	20	0.17
(1,2765)	1:374:A:THR:HB	1:374:A:THR:HG23	20	0.17
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	13	0.17
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	1	0.17
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	2	0.17
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	13	0.17
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	14	0.17
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	16	0.17
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	12	0.17
(1,2613)	1:361:A:LYS:HD2	1:361:A:LYS:HE3	5	0.17
(1,2613)	1:361:A:LYS:HD2	1:361:A:LYS:HE3	11	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	1	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	1	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	1	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	2	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	2	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	2	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	3	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	3	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	3	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	4	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	4	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	4	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	5	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	5	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	5	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	6	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	6	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	6	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	7	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	7	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	7	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	9	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	9	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	9	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	10	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	10	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	10	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	11	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	11	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	13	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	13	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	13	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	14	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	14	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	14	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	15	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	15	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	15	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	16	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	16	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	16	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	17	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	17	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	17	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	18	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	18	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	18	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	19	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	19	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	19	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG21	20	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG22	20	0.17
(1,2600)	1:449:A:VAL:HB	1:449:A:VAL:HG23	20	0.17
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	13	0.17
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	13	0.17
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	13	0.17
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	9	0.17
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	1	0.17
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	1	0.17
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	1	0.17
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	3	0.17
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	3	0.17
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	3	0.17
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	6	0.17
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	6	0.17
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	6	0.17
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	8	0.17
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	8	0.17
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	8	0.17
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	10	0.17
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	10	0.17
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	14	0.17
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	14	0.17
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	14	0.17
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	18	0.17
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	18	0.17
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	18	0.17
(1,2557)	1:464:A:LEU:HD11	1:464:A:LEU:HG	19	0.17
(1,2557)	1:464:A:LEU:HD12	1:464:A:LEU:HG	19	0.17
(1,2557)	1:464:A:LEU:HD13	1:464:A:LEU:HG	19	0.17
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	17	0.17
(1,2551)	1:459:A:LYS:HG2	1:459:A:LYS:HB3	18	0.17
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	6	0.17
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	10	0.17
(1,2509)	1:428:A:GLU:HG2	1:429:A:TYR:H	10	0.17
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	5	0.17
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	10	0.17
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	19	0.17
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	6	0.17
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	9	0.17
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	10	0.17
(1,2488)	1:350:A:GLU:HG2	1:350:A:GLU:HA	7	0.17
(1,2488)	1:350:A:GLU:HG2	1:350:A:GLU:HA	10	0.17
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	5	0.17
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	5	0.17
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	5	0.17
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG21	16	0.17
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG22	16	0.17
(1,2411)	1:421:A:HIS:HA	1:420:A:ILE:HG23	16	0.17
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	5	0.17
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	5	0.17
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	5	0.17
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	4	0.17
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	8	0.17
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	9	0.17
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	10	0.17
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	11	0.17
(1,2333)	1:446:A:PRO:HB3	1:445:A:THR:HA	15	0.17
(1,2248)	1:361:A:LYS:HE2	1:361:A:LYS:HD3	6	0.17
(1,2245)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	2	0.17
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	2	0.17
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	7	0.17
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	10	0.17
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	12	0.17
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	13	0.17
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	14	0.17
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	16	0.17
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	17	0.17
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	19	0.17
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	20	0.17
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	8	0.17
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	8	0.17
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	8	0.17
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	8	0.17
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	8	0.17
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	8	0.17
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	8	0.17
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	8	0.17
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	8	0.17
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	14	0.17
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	14	0.17
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	14	0.17
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	14	0.17
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	14	0.17
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	14	0.17
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	14	0.17
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	14	0.17
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	14	0.17
(1,2163)	1:435:A:LYS:HG2	1:435:A:LYS:H	18	0.17
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	11	0.17
(1,2120)	1:374:A:THR:HB	1:374:A:THR:HA	18	0.17
(1,2115)	1:418:A:VAL:HB	1:418:A:VAL:HA	17	0.17
(1,2103)	1:402:A:PRO:HB3	1:403:A:TYR:H	7	0.17
(1,2093)	1:358:A:LYS:HD2	1:358:A:LYS:HE3	3	0.17
(1,2058)	1:435:A:LYS:HD3	1:435:A:LYS:HE2	16	0.17
(1,2035)	1:404:A:GLU:HG2	1:404:A:GLU:HA	9	0.17
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	11	0.17
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	11	0.17
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	11	0.17
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	19	0.17
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	19	0.17
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	19	0.17
(1,2000)	1:438:A:GLY:HA2	1:439:A:SER:HB3	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	16	0.17
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	20	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	1	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	1	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	1	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	5	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	5	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	5	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	6	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	6	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	6	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	7	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	7	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	7	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	8	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	8	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	8	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	11	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	11	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	11	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	12	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	12	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	12	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	19	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	19	0.17
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	19	0.17
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	3	0.17
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	11	0.17
(1,1866)	1:372:A:LYS:HB2	1:372:A:LYS:HD2	8	0.17
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	14	0.17
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	14	0.17
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	14	0.17
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	18	0.17
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	18	0.17
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	18	0.17
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	2	0.17
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	2	0.17
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	2	0.17
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	7	0.17
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	7	0.17
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	7	0.17
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	9	0.17
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	9	0.17
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	13	0.17
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	13	0.17
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	13	0.17
(1,1704)	1:361:A:LYS:HD3	1:361:A:LYS:HE2	4	0.17
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD1	2	0.17
(1,1659)	1:382:A:PHE:HA	1:382:A:PHE:HD2	2	0.17
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	13	0.17
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	2	0.17
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	2	0.17
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	2	0.17
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	9	0.17
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	9	0.17
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	9	0.17
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	16	0.17
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	16	0.17
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	16	0.17
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	7	0.17
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	10	0.17
(1,1581)	1:403:A:TYR:HB3	1:403:A:TYR:HA	3	0.17
(1,1504)	1:462:A:PRO:HD2	1:462:A:PRO:HB2	7	0.17
(1,1495)	1:379:A:ALA:HB1	1:466:A:PHE:HB3	3	0.17
(1,1495)	1:379:A:ALA:HB2	1:466:A:PHE:HB3	3	0.17
(1,1495)	1:379:A:ALA:HB3	1:466:A:PHE:HB3	3	0.17
(1,1457)	1:450:A:MET:HE1	1:421:A:HIS:HA	9	0.17
(1,1457)	1:450:A:MET:HE2	1:421:A:HIS:HA	9	0.17
(1,1457)	1:450:A:MET:HE3	1:421:A:HIS:HA	9	0.17
(1,1447)	1:343:A:THR:HA	1:343:A:THR:HB	13	0.17
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	2	0.17
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	2	0.17
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	2	0.17
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	3	0.17
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	3	0.17
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	3	0.17
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	6	0.17
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	6	0.17
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	6	0.17
(1,1434)	1:347:A:VAL:HG11	1:347:A:VAL:HA	11	0.17
(1,1434)	1:347:A:VAL:HG12	1:347:A:VAL:HA	11	0.17
(1,1434)	1:347:A:VAL:HG13	1:347:A:VAL:HA	11	0.17
(1,1430)	1:408:A:ASN:HA	1:408:A:ASN:HB2	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	13	0.17
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	19	0.17
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	2	0.17
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	2	0.17
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	2	0.17
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	7	0.17
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	7	0.17
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	7	0.17
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	9	0.17
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	9	0.17
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	9	0.17
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	11	0.17
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	11	0.17
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	11	0.17
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	15	0.17
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	15	0.17
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	15	0.17
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	18	0.17
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	18	0.17
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	18	0.17
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	3	0.17
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	16	0.17
(1,1379)	1:361:A:LYS:HD2	1:361:A:LYS:H	9	0.17
(1,1379)	1:361:A:LYS:HD2	1:361:A:LYS:H	16	0.17
(1,1355)	1:396:A:THR:HG21	1:400:A:GLY:HA2	17	0.17
(1,1355)	1:396:A:THR:HG22	1:400:A:GLY:HA2	17	0.17
(1,1355)	1:396:A:THR:HG23	1:400:A:GLY:HA2	17	0.17
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	1	0.17
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	6	0.17
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	3	0.17
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	16	0.17
(1,1323)	1:458:A:GLU:HB3	1:458:A:GLU:HG2	13	0.17
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	15	0.17
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	15	0.17
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	15	0.17
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	15	0.17
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	15	0.17
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	15	0.17
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	15	0.17
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	15	0.17
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	15	0.17
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	15	0.17
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	16	0.17
(1,1271)	1:361:A:LYS:HD2	1:361:A:LYS:HG2	7	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	1	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	2	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	3	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	4	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	5	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	6	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	7	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	8	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	9	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	10	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	11	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	12	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	13	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	15	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	17	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	18	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	19	0.17
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	20	0.17
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	10	0.17
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	17	0.17
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	20	0.17
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	2	0.17
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	6	0.17
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	9	0.17
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	20	0.17
(1,1161)	1:429:A:TYR:HB2	1:429:A:TYR:H	14	0.17
(1,1122)	1:389:A:GLU:HB2	1:389:A:GLU:HG2	8	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	1	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	1	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	1	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	1	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	1	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	1	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	1	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	1	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	1	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	2	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	2	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	2	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	2	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	2	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	2	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	2	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	2	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	4	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	4	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	4	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	4	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	4	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	4	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	4	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	4	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	4	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	7	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	7	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	7	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	7	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	7	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	7	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	7	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	7	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	7	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	9	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	9	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	9	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	9	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	9	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	9	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	9	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	9	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	9	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	14	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	14	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	14	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	14	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	14	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	14	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	14	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	14	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	16	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	16	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	16	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	16	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	16	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	16	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	16	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	16	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	16	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	17	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	17	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	17	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	17	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	17	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	17	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	17	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	17	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	17	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	19	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	19	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	19	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	19	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	19	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	19	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	19	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	19	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	19	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	20	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	20	0.17
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	20	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	20	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	20	0.17
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	20	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	20	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	20	0.17
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	20	0.17
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	1	0.17
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	5	0.17
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	9	0.17
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	18	0.17
(1,1095)	1:428:A:GLU:HB3	1:428:A:GLU:H	13	0.17
(1,1095)	1:428:A:GLU:HB3	1:428:A:GLU:H	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1095)	1:428:A:GLU:HB3	1:428:A:GLU:H	16	0.17
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	6	0.17
(1,1050)	1:420:A:ILE:HG21	1:443:A:ILE:H	4	0.17
(1,1050)	1:420:A:ILE:HG22	1:443:A:ILE:H	4	0.17
(1,1050)	1:420:A:ILE:HG23	1:443:A:ILE:H	4	0.17
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	2	0.17
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	8	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	4	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	4	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	4	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	7	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	7	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	7	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	8	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	8	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	8	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	10	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	10	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	10	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	12	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	12	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	12	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	14	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	14	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	14	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	15	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	15	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	15	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	17	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	17	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	17	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	18	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	18	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	18	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG21	19	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG22	19	0.17
(1,1025)	1:418:A:VAL:HB	1:418:A:VAL:HG23	19	0.17
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	4	0.17
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	5	0.17
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	13	0.17
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	15	0.17
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	13	0.17
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	13	0.17
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	16	0.17
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	16	0.17
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	16	0.17
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	20	0.17
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	20	0.17
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	20	0.17
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	2	0.17
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	2	0.17
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	2	0.17
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	3	0.17
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	3	0.17
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	3	0.17
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	6	0.17
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	6	0.17
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	6	0.17
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG11	11	0.17
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG12	11	0.17
(1,945)	1:347:A:VAL:HA	1:347:A:VAL:HG13	11	0.17
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	14	0.17
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	14	0.17
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	14	0.17
(1,874)	1:399:A:ASP:HA	1:398:A:ASP:HA	12	0.17
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	4	0.17
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	12	0.17
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	13	0.17
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	17	0.17
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	2	0.17
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	2	0.17
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	2	0.17
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	7	0.17
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	7	0.17
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	7	0.17
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	10	0.17
(1,770)	1:432:A:ASP:HB3	1:431:A:GLY:HA2	19	0.17
(1,720)	1:342:A:ASP:HB2	1:344:A:TYR:H	15	0.17
(1,720)	1:342:A:ASP:HB2	1:344:A:TYR:H	18	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	1	0.17
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	1	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	1	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	2	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	2	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	3	0.17
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	3	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	3	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	4	0.17
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	4	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	4	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	5	0.17
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	5	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	5	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	6	0.17
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	6	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	6	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	7	0.17
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	7	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	7	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	8	0.17
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	8	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	8	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	10	0.17
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	10	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	10	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	12	0.17
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	12	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	12	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	13	0.17
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	13	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	13	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	14	0.17
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	14	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	14	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	15	0.17
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	15	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	15	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	16	0.17
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	16	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	16	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	17	0.17
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	17	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	17	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	18	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	18	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	19	0.17
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	19	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	19	0.17
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	20	0.17
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	20	0.17
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	20	0.17
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	14	0.17
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	14	0.17
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	14	0.17
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	16	0.17
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	16	0.17
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	16	0.17
(1,613)	1:407:A:VAL:HG21	1:408:A:ASN:H	8	0.17
(1,613)	1:407:A:VAL:HG22	1:408:A:ASN:H	8	0.17
(1,613)	1:407:A:VAL:HG23	1:408:A:ASN:H	8	0.17
(1,613)	1:407:A:VAL:HG21	1:408:A:ASN:H	9	0.17
(1,613)	1:407:A:VAL:HG22	1:408:A:ASN:H	9	0.17
(1,613)	1:407:A:VAL:HG23	1:408:A:ASN:H	9	0.17
(1,613)	1:407:A:VAL:HG21	1:408:A:ASN:H	18	0.17
(1,613)	1:407:A:VAL:HG22	1:408:A:ASN:H	18	0.17
(1,613)	1:407:A:VAL:HG23	1:408:A:ASN:H	18	0.17
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	1	0.17
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	2	0.17
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	4	0.17
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	9	0.17
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	13	0.17
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	17	0.17
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	18	0.17
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	20	0.17
(1,561)	1:372:A:LYS:HG2	1:372:A:LYS:HA	10	0.17
(1,547)	1:451:A:LYS:HG3	1:451:A:LYS:HB2	8	0.17
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	8	0.17
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	1	0.17
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	2	0.17
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	4	0.17
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	9	0.17
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	13	0.17
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	17	0.17
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	18	0.17
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	1	0.17
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	1	0.17
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	1	0.17
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	3	0.17
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	3	0.17
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	3	0.17
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	6	0.17
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	6	0.17
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	6	0.17
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	7	0.17
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	7	0.17
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	7	0.17
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	8	0.17
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	8	0.17
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	8	0.17
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	10	0.17
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	10	0.17
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	10	0.17
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	11	0.17
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	11	0.17
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	11	0.17
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	12	0.17
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	12	0.17
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	12	0.17
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	13	0.17
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	13	0.17
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	13	0.17
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	14	0.17
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	14	0.17
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	14	0.17
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	15	0.17
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	15	0.17
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	15	0.17
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	17	0.17
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	17	0.17
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	17	0.17
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	18	0.17
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	18	0.17
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	18	0.17
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	19	0.17
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	19	0.17
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	20	0.17
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	20	0.17
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	20	0.17
(1,445)	1:398:A:ASP:HB3	1:398:A:ASP:HA	15	0.17
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	2	0.17
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	11	0.17
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	12	0.17
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	8	0.17
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	18	0.17
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	13	0.17
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	13	0.17
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	13	0.17
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	17	0.17
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	17	0.17
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	17	0.17
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	18	0.17
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	18	0.17
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	18	0.17
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	1	0.17
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	1	0.17
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	1	0.17
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	3	0.17
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	3	0.17
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	3	0.17
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	8	0.17
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	8	0.17
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	8	0.17
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	12	0.17
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	12	0.17
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	12	0.17
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	2	0.17
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	16	0.17
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	3	0.17
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	8	0.17
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	11	0.17
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	4	0.17
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	4	0.17
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	4	0.17
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	7	0.17
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	7	0.17
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	7	0.17
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	8	0.17
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	8	0.17
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	10	0.17
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	10	0.17
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	10	0.17
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	12	0.17
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	12	0.17
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	12	0.17
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	14	0.17
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	14	0.17
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	14	0.17
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	15	0.17
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	15	0.17
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	15	0.17
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	17	0.17
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	17	0.17
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	17	0.17
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	18	0.17
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	18	0.17
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	18	0.17
(1,324)	1:418:A:VAL:HG21	1:418:A:VAL:HB	19	0.17
(1,324)	1:418:A:VAL:HG22	1:418:A:VAL:HB	19	0.17
(1,324)	1:418:A:VAL:HG23	1:418:A:VAL:HB	19	0.17
(1,310)	1:428:A:GLU:HB2	1:428:A:GLU:HA	13	0.17
(1,310)	1:428:A:GLU:HB2	1:428:A:GLU:HA	16	0.17
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	11	0.17
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	1	0.17
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	2	0.17
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	3	0.17
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	4	0.17
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	6	0.17
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	7	0.17
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	8	0.17
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	10	0.17
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	14	0.17
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	15	0.17
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	16	0.17
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	18	0.17
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	19	0.17
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	2	0.17
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	12	0.17
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	10	0.17
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	13	0.17
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	16	0.17
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	19	0.17
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	20	0.17
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	8	0.17
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	9	0.17
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	12	0.17
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	17	0.17
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	18	0.17
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	5	0.17
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	5	0.17
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	5	0.17
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	7	0.17
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	7	0.17
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	7	0.17
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	16	0.17
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	16	0.17
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	16	0.17
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	19	0.17
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	19	0.17
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	19	0.17
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	1	0.17
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	1	0.17
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	1	0.17
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD11	2	0.17
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD12	2	0.17
(1,156)	1:349:A:LEU:HB3	1:349:A:LEU:HD13	2	0.17
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	4	0.17
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	8	0.17
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	9	0.17
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	10	0.17
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	11	0.17
(1,138)	1:445:A:THR:HA	1:446:A:PRO:HB3	15	0.17
(1,120)	1:358:A:LYS:HD3	1:358:A:LYS:H	2	0.17
(1,111)	1:423:A:SER:HA	1:425:A:TRP:H	5	0.17
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	3	0.17
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	3	0.17
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	3	0.17
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	7	0.17
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	7	0.17
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	12	0.17
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	12	0.17
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	12	0.17
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	14	0.17
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	14	0.17
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	14	0.17
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	15	0.17
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	15	0.17
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	15	0.17
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	6	0.17
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	10	0.17
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	10	0.17
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	10	0.17
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	10	0.17
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	10	0.17
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	10	0.17
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	10	0.17
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	10	0.17
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	10	0.17
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	11	0.17
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	11	0.17
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	11	0.17
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	11	0.17
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	11	0.17
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	11	0.17
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	11	0.17
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	11	0.17
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	11	0.17
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	1	0.16
(1,4933)	1:345:A:ILE:H	1:344:A:TYR:HA	12	0.16
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	7	0.16
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	11	0.16
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	12	0.16
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	2	0.16
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	3	0.16
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	8	0.16
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	10	0.16
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	17	0.16
(1,4899)	1:408:A:ASN:H	1:450:A:MET:HG3	5	0.16
(1,4857)	1:438:A:GLY:H	1:372:A:LYS:HB3	5	0.16
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	6	0.16
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	6	0.16
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	8	0.16
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	11	0.16
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	17	0.16
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	6	0.16
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	10	0.16
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	12	0.16
(1,4762)	1:444:A:ASN:H	1:368:A:ILE:HB	14	0.16
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	1	0.16
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	8	0.16
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	10	0.16
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	12	0.16
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	15	0.16
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	16	0.16
(1,4729)	1:407:A:VAL:H	1:406:A:PRO:HB2	7	0.16
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	3	0.16
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	3	0.16
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	3	0.16
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	9	0.16
(1,4695)	1:401:A:THR:H	1:399:A:ASP:HB3	16	0.16
(1,4652)	1:408:A:ASN:H	1:408:A:ASN:HB3	5	0.16
(1,4604)	1:343:A:THR:H	1:343:A:THR:HB	2	0.16
(1,4595)	1:399:A:ASP:H	1:400:A:GLY:H	3	0.16
(1,4595)	1:399:A:ASP:H	1:400:A:GLY:H	13	0.16
(1,4595)	1:399:A:ASP:H	1:400:A:GLY:H	18	0.16
(1,4595)	1:399:A:ASP:H	1:400:A:GLY:H	19	0.16
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	4	0.16
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	8	0.16
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	9	0.16
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	12	0.16
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	13	0.16
(1,4573)	1:347:A:VAL:H	1:347:A:VAL:HB	20	0.16
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	6	0.16
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	1	0.16
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	6	0.16
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	16	0.16
(1,4527)	1:441:A:GLY:H	1:439:A:SER:H	4	0.16
(1,4527)	1:441:A:GLY:H	1:439:A:SER:H	13	0.16
(1,4527)	1:441:A:GLY:H	1:439:A:SER:H	19	0.16
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	2	0.16
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	8	0.16
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG21	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG22	4	0.16
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG23	4	0.16
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	1	0.16
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	6	0.16
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	8	0.16
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	11	0.16
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	19	0.16
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	8	0.16
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	3	0.16
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	3	0.16
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	3	0.16
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	8	0.16
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	8	0.16
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	8	0.16
(1,4423)	1:422:A:ASP:H	1:409:A:TYR:H	12	0.16
(1,4415)	1:367:A:ASP:H	1:446:A:PRO:HG2	17	0.16
(1,4410)	1:426:A:GLN:H	1:425:A:TRP:HD1	7	0.16
(1,4410)	1:426:A:GLN:H	1:425:A:TRP:HD1	8	0.16
(1,4404)	1:417:A:GLY:H	1:417:A:GLY:HA2	7	0.16
(1,4404)	1:417:A:GLY:H	1:417:A:GLY:HA2	14	0.16
(1,4404)	1:417:A:GLY:H	1:417:A:GLY:HA2	15	0.16
(1,4404)	1:417:A:GLY:H	1:417:A:GLY:HA2	18	0.16
(1,4404)	1:417:A:GLY:H	1:417:A:GLY:HA2	19	0.16
(1,4404)	1:417:A:GLY:H	1:417:A:GLY:HA2	20	0.16
(1,4393)	1:358:A:LYS:H	1:357:A:TYR:HA	9	0.16
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	18	0.16
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	2	0.16
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	6	0.16
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	7	0.16
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	19	0.16
(1,4349)	1:419:A:GLY:H	1:442:A:CYS:HA	8	0.16
(1,4339)	1:372:A:LYS:H	1:372:A:LYS:HG2	17	0.16
(1,4337)	1:448:A:SER:H	1:448:A:SER:HB3	17	0.16
(1,4330)	1:450:A:MET:H	1:422:A:ASP:HB3	17	0.16
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	4	0.16
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	17	0.16
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	5	0.16
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	14	0.16
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	15	0.16
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	18	0.16
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	19	0.16
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG21	2	0.16
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG22	2	0.16
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG23	2	0.16
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	2	0.16
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	12	0.16
(1,4283)	1:374:A:THR:H	1:375:A:THR:H	2	0.16
(1,4283)	1:374:A:THR:H	1:375:A:THR:H	17	0.16
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG11	10	0.16
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG12	10	0.16
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG13	10	0.16
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG11	11	0.16
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG12	11	0.16
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG13	11	0.16
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	3	0.16
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	9	0.16
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	16	0.16
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	1	0.16
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	2	0.16
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	7	0.16
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	14	0.16
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	18	0.16
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	4	0.16
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	6	0.16
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	13	0.16
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	16	0.16
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	19	0.16
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG11	4	0.16
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG12	4	0.16
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG13	4	0.16
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG11	15	0.16
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG12	15	0.16
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG13	15	0.16
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	3	0.16
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	6	0.16
(1,4121)	1:353:A:HIS:H	1:352:A:GLN:HA	10	0.16
(1,4115)	1:432:A:ASP:H	1:434:A:TRP:H	10	0.16
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	1	0.16
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	1	0.16
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	1	0.16
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	2	0.16
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	2	0.16
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	12	0.16
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	12	0.16
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	12	0.16
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	15	0.16
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	15	0.16
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	15	0.16
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	7	0.16
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	10	0.16
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	16	0.16
(1,3996)	1:396:A:THR:H	1:403:A:TYR:H	6	0.16
(1,3996)	1:396:A:THR:H	1:403:A:TYR:H	10	0.16
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD11	8	0.16
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD12	8	0.16
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD13	8	0.16
(1,3930)	1:424:A:ASP:H	1:447:A:PRO:HA	9	0.16
(1,3902)	1:454:A:PHE:HD1	1:454:A:PHE:HA	15	0.16
(1,3902)	1:454:A:PHE:HD2	1:454:A:PHE:HA	15	0.16
(1,3902)	1:454:A:PHE:HD1	1:454:A:PHE:HA	18	0.16
(1,3902)	1:454:A:PHE:HD2	1:454:A:PHE:HA	18	0.16
(1,3902)	1:454:A:PHE:HD1	1:454:A:PHE:HA	19	0.16
(1,3902)	1:454:A:PHE:HD2	1:454:A:PHE:HA	19	0.16
(1,3902)	1:454:A:PHE:HD1	1:454:A:PHE:HA	20	0.16
(1,3902)	1:454:A:PHE:HD2	1:454:A:PHE:HA	20	0.16
(1,3898)	1:466:A:PHE:HE1	1:346:A:GLU:HB3	3	0.16
(1,3898)	1:466:A:PHE:HE2	1:346:A:GLU:HB3	3	0.16
(1,3881)	1:357:A:TYR:HE1	1:355:A:TRP:HE3	16	0.16
(1,3881)	1:357:A:TYR:HE2	1:355:A:TRP:HE3	16	0.16
(1,3858)	1:434:A:TRP:HZ2	1:435:A:LYS:HD2	10	0.16
(1,3856)	1:454:A:PHE:HE1	1:387:A:LYS:HB3	14	0.16
(1,3856)	1:454:A:PHE:HE2	1:387:A:LYS:HB3	14	0.16
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	15	0.16
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	17	0.16
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	17	0.16
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	17	0.16
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	17	0.16
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	17	0.16
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	17	0.16
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	2	0.16
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	2	0.16
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	2	0.16
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	2	0.16
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	2	0.16
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	5	0.16
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	5	0.16
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	5	0.16
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	5	0.16
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	5	0.16
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	5	0.16
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	2	0.16
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	3	0.16
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	4	0.16
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	5	0.16
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	13	0.16
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	17	0.16
(1,3810)	1:344:A:TYR:HD1	1:345:A:ILE:H	6	0.16
(1,3810)	1:344:A:TYR:HD2	1:345:A:ILE:H	6	0.16
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	12	0.16
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	17	0.16
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	19	0.16
(1,3706)	1:355:A:TRP:HH2	1:348:A:ASP:HB2	11	0.16
(1,3706)	1:355:A:TRP:HH2	1:348:A:ASP:HB2	12	0.16
(1,3706)	1:355:A:TRP:HH2	1:348:A:ASP:HB2	14	0.16
(1,3706)	1:355:A:TRP:HH2	1:348:A:ASP:HB2	16	0.16
(1,3706)	1:355:A:TRP:HH2	1:348:A:ASP:HB2	17	0.16
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	7	0.16
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	7	0.16
(1,3607)	1:425:A:TRP:HH2	1:423:A:SER:HB2	10	0.16
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	1	0.16
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	4	0.16
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	6	0.16
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	8	0.16
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	9	0.16
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	10	0.16
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	11	0.16
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	12	0.16
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	13	0.16
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	16	0.16
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	18	0.16
(1,3603)	1:385:A:TRP:HZ3	1:385:A:TRP:HE3	19	0.16
(1,3577)	1:403:A:TYR:HD1	1:395:A:GLY:HA2	14	0.16
(1,3577)	1:403:A:TYR:HD2	1:395:A:GLY:HA2	14	0.16
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	17	0.16
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	19	0.16
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	19	0.16
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	18	0.16
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	18	0.16
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	18	0.16
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD11	7	0.16
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD12	7	0.16
(1,3527)	1:410:A:TRP:HH2	1:393:A:LEU:HD13	7	0.16
(1,3525)	1:355:A:TRP:HE3	1:354:A:MET:HA	2	0.16
(1,3525)	1:355:A:TRP:HE3	1:354:A:MET:HA	19	0.16
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	1	0.16
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	4	0.16
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	8	0.16
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	9	0.16
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	10	0.16
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	11	0.16
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	14	0.16
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	15	0.16
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	16	0.16
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	19	0.16
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	5	0.16
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	17	0.16
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	17	0.16
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	17	0.16
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	11	0.16
(1,3458)	1:404:A:GLU:HB2	1:404:A:GLU:H	18	0.16
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	7	0.16
(1,3453)	1:428:A:GLU:HA	1:429:A:TYR:HB2	1	0.16
(1,3453)	1:428:A:GLU:HA	1:429:A:TYR:HB2	4	0.16
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	9	0.16
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	10	0.16
(1,3351)	1:340:A:MET:HB3	1:340:A:MET:HA	9	0.16
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	17	0.16
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	7	0.16
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	10	0.16
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	12	0.16
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	13	0.16
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	16	0.16
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	17	0.16
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	20	0.16
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	19	0.16
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	7	0.16
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	13	0.16
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	19	0.16
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	5	0.16
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	10	0.16
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	13	0.16
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	16	0.16
(1,3187)	1:451:A:LYS:HB2	1:452:A:GLU:HA	16	0.16
(1,3178)	1:437:A:ARG:HD2	1:437:A:ARG:HG3	6	0.16
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	8	0.16
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	12	0.16
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	17	0.16
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	19	0.16
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	20	0.16
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	1	0.16
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	2	0.16
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	4	0.16
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	5	0.16
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	6	0.16
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	8	0.16
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	9	0.16
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	10	0.16
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	11	0.16
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	12	0.16
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	13	0.16
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	14	0.16
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	16	0.16
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	17	0.16
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	18	0.16
(1,3139)	1:402:A:PRO:HG2	1:402:A:PRO:HD2	19	0.16
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	5	0.16
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	9	0.16
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	13	0.16
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	18	0.16
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	19	0.16
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	7	0.16
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	7	0.16
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	7	0.16
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	13	0.16
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	13	0.16
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	13	0.16
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	3	0.16
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	3	0.16
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	3	0.16
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	3	0.16
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	3	0.16
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	3	0.16
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	3	0.16
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	3	0.16
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	9	0.16
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	9	0.16
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	9	0.16
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	9	0.16
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	9	0.16
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	9	0.16
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	9	0.16
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	9	0.16
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	9	0.16
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	16	0.16
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	16	0.16
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	16	0.16
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	14	0.16
(1,3032)	1:406:A:PRO:HB3	1:406:A:PRO:HG2	16	0.16
(1,2893)	1:399:A:ASP:HB2	1:400:A:GLY:H	7	0.16
(1,2887)	1:352:A:GLN:HB3	1:351:A:ASN:HA	1	0.16
(1,2887)	1:352:A:GLN:HB3	1:351:A:ASN:HA	12	0.16
(1,2887)	1:352:A:GLN:HB3	1:351:A:ASN:HA	19	0.16
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD11	14	0.16
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD12	14	0.16
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD13	14	0.16
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	1	0.16
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	1	0.16
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	1	0.16
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	2	0.16
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	2	0.16
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	2	0.16
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	3	0.16
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	3	0.16
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	3	0.16
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	5	0.16
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	5	0.16
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	5	0.16
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	6	0.16
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	6	0.16
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	8	0.16
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	8	0.16
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	8	0.16
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	13	0.16
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	13	0.16
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	13	0.16
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	15	0.16
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	15	0.16
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	15	0.16
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	16	0.16
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	16	0.16
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	16	0.16
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	18	0.16
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	18	0.16
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	18	0.16
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	19	0.16
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	19	0.16
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	19	0.16
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	20	0.16
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	20	0.16
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	20	0.16
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	1	0.16
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	1	0.16
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	1	0.16
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	3	0.16
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	3	0.16
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	3	0.16
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	5	0.16
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	5	0.16
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	5	0.16
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	7	0.16
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	7	0.16
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	7	0.16
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	9	0.16
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	9	0.16
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	9	0.16
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	11	0.16
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	11	0.16
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	11	0.16
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	14	0.16
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	14	0.16
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	15	0.16
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	15	0.16
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	15	0.16
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	16	0.16
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	16	0.16
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	16	0.16
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	17	0.16
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	17	0.16
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	17	0.16
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	18	0.16
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	18	0.16
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	18	0.16
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	17	0.16
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	19	0.16
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	4	0.16
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	4	0.16
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	4	0.16
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	7	0.16
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	12	0.16
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	14	0.16
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	6	0.16
(1,2805)	1:395:A:GLY:HA3	1:395:A:GLY:H	10	0.16
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	1	0.16
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	1	0.16
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	1	0.16
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	12	0.16
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	12	0.16
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	12	0.16
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	14	0.16
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	15	0.16
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	18	0.16
(1,2747)	1:341:A:GLU:HG3	1:341:A:GLU:HA	12	0.16
(1,2747)	1:341:A:GLU:HG3	1:341:A:GLU:HA	16	0.16
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	4	0.16
(1,2698)	1:432:A:ASP:HA	1:431:A:GLY:H	10	0.16
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	11	0.16
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	15	0.16
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	18	0.16
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	1	0.16
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	1	0.16
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	10	0.16
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	10	0.16
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	10	0.16
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	12	0.16
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	12	0.16
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	12	0.16
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	5	0.16
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	16	0.16
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	19	0.16
(1,2617)	1:451:A:LYS:HD2	1:451:A:LYS:HE3	16	0.16
(1,2613)	1:361:A:LYS:HD2	1:361:A:LYS:HE3	1	0.16
(1,2613)	1:361:A:LYS:HD2	1:361:A:LYS:HE3	15	0.16
(1,2613)	1:361:A:LYS:HD2	1:361:A:LYS:HE3	17	0.16
(1,2613)	1:361:A:LYS:HD2	1:361:A:LYS:HE3	18	0.16
(1,2580)	1:358:A:LYS:HG3	1:358:A:LYS:HE2	2	0.16
(1,2580)	1:358:A:LYS:HG3	1:358:A:LYS:HE2	12	0.16
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	2	0.16
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	2	0.16
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	2	0.16
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	2	0.16
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	2	0.16
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	2	0.16
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	2	0.16
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	2	0.16
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	2	0.16
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	11	0.16
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	11	0.16
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	11	0.16
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	11	0.16
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	11	0.16
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	11	0.16
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	11	0.16
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	11	0.16
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	11	0.16
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	6	0.16
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	6	0.16
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	6	0.16
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	15	0.16
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	15	0.16
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	15	0.16
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	18	0.16
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	18	0.16
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	20	0.16
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	20	0.16
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	20	0.16
(1,2563)	1:397:A:ASN:HB2	1:396:A:THR:HA	3	0.16
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	15	0.16
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	16	0.16
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	5	0.16
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	9	0.16
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	13	0.16
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	18	0.16
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	19	0.16
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	15	0.16
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	2	0.16
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	17	0.16
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	18	0.16
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	1	0.16
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	8	0.16
(1,2477)	1:458:A:GLU:HG3	1:458:A:GLU:H	6	0.16
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	5	0.16
(1,2239)	1:450:A:MET:HE1	1:450:A:MET:HG3	19	0.16
(1,2239)	1:450:A:MET:HE2	1:450:A:MET:HG3	19	0.16
(1,2239)	1:450:A:MET:HE3	1:450:A:MET:HG3	19	0.16
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	1	0.16
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	3	0.16
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	4	0.16
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	8	0.16
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	9	0.16
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	11	0.16
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	15	0.16
(1,2232)	1:447:A:PRO:HG2	1:447:A:PRO:HB2	18	0.16
(1,2224)	1:358:A:LYS:HD3	1:358:A:LYS:HG2	2	0.16
(1,2224)	1:358:A:LYS:HD3	1:358:A:LYS:HG2	12	0.16
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD21	16	0.16
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD22	16	0.16
(1,2183)	1:407:A:VAL:HG21	1:393:A:LEU:HD23	16	0.16
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD21	16	0.16
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD22	16	0.16
(1,2183)	1:407:A:VAL:HG22	1:393:A:LEU:HD23	16	0.16
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD21	16	0.16
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD22	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2183)	1:407:A:VAL:HG23	1:393:A:LEU:HD23	16	0.16
(1,2058)	1:435:A:LYS:HD3	1:435:A:LYS:HE2	5	0.16
(1,2058)	1:435:A:LYS:HD3	1:435:A:LYS:HE2	9	0.16
(1,2058)	1:435:A:LYS:HD3	1:435:A:LYS:HE2	15	0.16
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	13	0.16
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	20	0.16
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	20	0.16
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	20	0.16
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	4	0.16
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	11	0.16
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	16	0.16
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	13	0.16
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	14	0.16
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	19	0.16
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	5	0.16
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	6	0.16
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	9	0.16
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	16	0.16
(1,1849)	1:402:A:PRO:HG2	1:401:A:THR:HA	4	0.16
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	1	0.16
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	1	0.16
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	1	0.16
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	5	0.16
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	5	0.16
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	5	0.16
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	10	0.16
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	10	0.16
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	10	0.16
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	16	0.16
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	16	0.16
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	16	0.16
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	1	0.16
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	1	0.16
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	1	0.16
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	6	0.16
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	6	0.16
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	6	0.16
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	17	0.16
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	17	0.16
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	17	0.16
(1,1689)	1:411:A:MET:HE1	1:453:A:LEU:HG	3	0.16
(1,1689)	1:411:A:MET:HE2	1:453:A:LEU:HG	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1689)	1:411:A:MET:HE3	1:453:A:LEU:HG	3	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	1	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	1	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	1	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	2	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	2	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	2	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	3	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	3	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	3	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	4	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	4	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	4	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	6	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	6	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	6	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	8	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	8	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	8	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	9	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	9	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	9	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	12	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	12	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	12	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	14	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	14	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	14	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	15	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	15	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	15	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	18	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	18	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	18	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	19	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	19	0.16
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	19	0.16
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	9	0.16
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	3	0.16
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	3	0.16
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	3	0.16
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	6	0.16
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	6	0.16
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	5	0.16
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	18	0.16
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	12	0.16
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	17	0.16
(1,1478)	1:435:A:LYS:HD3	1:435:A:LYS:HB3	13	0.16
(1,1478)	1:435:A:LYS:HD3	1:435:A:LYS:HB3	17	0.16
(1,1430)	1:408:A:ASN:HA	1:408:A:ASN:HB2	10	0.16
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	12	0.16
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	14	0.16
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	10	0.16
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	10	0.16
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	10	0.16
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	17	0.16
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	17	0.16
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	17	0.16
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	14	0.16
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	20	0.16
(1,1384)	1:339:A:HIS:HA	1:339:A:HIS:HB2	5	0.16
(1,1384)	1:339:A:HIS:HA	1:339:A:HIS:HB2	16	0.16
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	13	0.16
(1,1379)	1:361:A:LYS:HD2	1:361:A:LYS:H	14	0.16
(1,1379)	1:361:A:LYS:HD2	1:361:A:LYS:H	19	0.16
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	14	0.16
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	15	0.16
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	18	0.16
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	8	0.16
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	10	0.16
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	11	0.16
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	12	0.16
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG21	12	0.16
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG22	12	0.16
(1,1309)	1:393:A:LEU:HD11	1:407:A:VAL:HG23	12	0.16
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG21	12	0.16
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG22	12	0.16
(1,1309)	1:393:A:LEU:HD12	1:407:A:VAL:HG23	12	0.16
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG21	12	0.16
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG22	12	0.16
(1,1309)	1:393:A:LEU:HD13	1:407:A:VAL:HG23	12	0.16
(1,1284)	1:406:A:PRO:HG3	1:405:A:SER:HA	1	0.16
(1,1284)	1:406:A:PRO:HG3	1:405:A:SER:HA	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1284)	1:406:A:PRO:HG3	1:405:A:SER:HA	9	0.16
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	3	0.16
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	12	0.16
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	17	0.16
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	20	0.16
(1,1271)	1:361:A:LYS:HD2	1:361:A:LYS:HG2	6	0.16
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	14	0.16
(1,1256)	1:406:A:PRO:HG2	1:406:A:PRO:HB3	16	0.16
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	1	0.16
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	1	0.16
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	2	0.16
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	12	0.16
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	14	0.16
(1,1175)	1:387:A:LYS:HB2	1:388:A:GLU:H	3	0.16
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	4	0.16
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	5	0.16
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	7	0.16
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	11	0.16
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	16	0.16
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	17	0.16
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	19	0.16
(1,1161)	1:429:A:TYR:HB2	1:429:A:TYR:H	2	0.16
(1,1161)	1:429:A:TYR:HB2	1:429:A:TYR:H	6	0.16
(1,1161)	1:429:A:TYR:HB2	1:429:A:TYR:H	12	0.16
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	6	0.16
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	6	0.16
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	6	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	3	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	3	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	3	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	3	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	3	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	3	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	3	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	3	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	3	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	5	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	5	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	5	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	5	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	5	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	5	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	5	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	5	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	8	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	8	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	8	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	8	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	8	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	8	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	8	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	8	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	8	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	11	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	11	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	11	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	11	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	11	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	11	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	11	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	11	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	11	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	12	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	12	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	12	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	12	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	12	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	12	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	12	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	12	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	12	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	13	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	13	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	13	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	13	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	13	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	13	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	13	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	13	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	13	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	15	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	15	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	15	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	15	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	15	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	15	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	15	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	15	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD21	18	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD22	18	0.16
(1,1112)	1:393:A:LEU:HD11	1:393:A:LEU:HD23	18	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD21	18	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD22	18	0.16
(1,1112)	1:393:A:LEU:HD12	1:393:A:LEU:HD23	18	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD21	18	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD22	18	0.16
(1,1112)	1:393:A:LEU:HD13	1:393:A:LEU:HD23	18	0.16
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	3	0.16
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	6	0.16
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	7	0.16
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	13	0.16
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	15	0.16
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	16	0.16
(1,1095)	1:428:A:GLU:HB3	1:428:A:GLU:H	1	0.16
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	2	0.16
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	5	0.16
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	14	0.16
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	10	0.16
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	14	0.16
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	16	0.16
(1,943)	1:402:A:PRO:HG2	1:403:A:TYR:H	20	0.16
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	5	0.16
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	5	0.16
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	5	0.16
(1,901)	1:354:A:MET:HE1	1:355:A:TRP:H	16	0.16
(1,901)	1:354:A:MET:HE2	1:355:A:TRP:H	16	0.16
(1,901)	1:354:A:MET:HE3	1:355:A:TRP:H	16	0.16
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	7	0.16
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	9	0.16
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	11	0.16
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	14	0.16
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	16	0.16
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	18	0.16
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:389:A:GLU:HG2	1:389:A:GLU:HA	15	0.16
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	3	0.16
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	13	0.16
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	3	0.16
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	3	0.16
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	3	0.16
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	5	0.16
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	5	0.16
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	5	0.16
(1,730)	1:404:A:GLU:HA	1:404:A:GLU:HG3	11	0.16
(1,730)	1:404:A:GLU:HA	1:404:A:GLU:HG3	14	0.16
(1,730)	1:404:A:GLU:HA	1:404:A:GLU:HG3	16	0.16
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	9	0.16
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	9	0.16
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	9	0.16
(1,702)	1:375:A:THR:HG21	1:375:A:THR:HB	11	0.16
(1,702)	1:375:A:THR:HG22	1:375:A:THR:HB	11	0.16
(1,702)	1:375:A:THR:HG23	1:375:A:THR:HB	11	0.16
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	6	0.16
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	6	0.16
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	6	0.16
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG11	11	0.16
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG12	11	0.16
(1,680)	1:381:A:VAL:HB	1:381:A:VAL:HG13	11	0.16
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	2	0.16
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	18	0.16
(1,659)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	7	0.16
(1,651)	1:445:A:THR:HB	1:446:A:PRO:HA	5	0.16
(1,613)	1:407:A:VAL:HG21	1:408:A:ASN:H	4	0.16
(1,613)	1:407:A:VAL:HG22	1:408:A:ASN:H	4	0.16
(1,613)	1:407:A:VAL:HG23	1:408:A:ASN:H	4	0.16
(1,613)	1:407:A:VAL:HG21	1:408:A:ASN:H	14	0.16
(1,613)	1:407:A:VAL:HG22	1:408:A:ASN:H	14	0.16
(1,613)	1:407:A:VAL:HG23	1:408:A:ASN:H	14	0.16
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	1	0.16
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	4	0.16
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	5	0.16
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	8	0.16
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	9	0.16
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	10	0.16
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	11	0.16
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	14	0.16
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	15	0.16
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	16	0.16
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	17	0.16
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	18	0.16
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	19	0.16
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	20	0.16
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	10	0.16
(1,561)	1:372:A:LYS:HG2	1:372:A:LYS:HA	5	0.16
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	3	0.16
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	10	0.16
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	2	0.16
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	2	0.16
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	2	0.16
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	4	0.16
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	4	0.16
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	4	0.16
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	5	0.16
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	5	0.16
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	5	0.16
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	9	0.16
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	9	0.16
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	9	0.16
(1,487)	1:418:A:VAL:HG11	1:418:A:VAL:HB	16	0.16
(1,487)	1:418:A:VAL:HG12	1:418:A:VAL:HB	16	0.16
(1,487)	1:418:A:VAL:HG13	1:418:A:VAL:HB	16	0.16
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	7	0.16
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	10	0.16
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	20	0.16
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	3	0.16
(1,427)	1:430:A:GLY:HA2	1:429:A:TYR:HA	4	0.16
(1,409)	1:440:A:HIS:HB3	1:440:A:HIS:H	11	0.16
(1,395)	1:388:A:GLU:HA	1:388:A:GLU:HG3	12	0.16
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	3	0.16
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	3	0.16
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	3	0.16
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	2	0.16
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	2	0.16
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	2	0.16
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	4	0.16
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	4	0.16
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	6	0.16
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	6	0.16
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	6	0.16
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	7	0.16
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	7	0.16
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	7	0.16
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	15	0.16
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	15	0.16
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	15	0.16
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	19	0.16
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	19	0.16
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	19	0.16
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	3	0.16
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	4	0.16
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	6	0.16
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	1	0.16
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	4	0.16
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	6	0.16
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	7	0.16
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	9	0.16
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	10	0.16
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	13	0.16
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	14	0.16
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	15	0.16
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	18	0.16
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	19	0.16
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	20	0.16
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	9	0.16
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	9	0.16
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	9	0.16
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	11	0.16
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	11	0.16
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	11	0.16
(1,310)	1:428:A:GLU:HB2	1:428:A:GLU:HA	1	0.16
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	8	0.16
(1,267)	1:340:A:MET:HA	1:340:A:MET:HG3	2	0.16
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	5	0.16
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	9	0.16
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	11	0.16
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	12	0.16
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	13	0.16
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,221)	1:376:A:PRO:HB2	1:376:A:PRO:HA	20	0.16
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	3	0.16
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	6	0.16
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	8	0.16
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	18	0.16
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	19	0.16
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	6	0.16
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	9	0.16
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	11	0.16
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	14	0.16
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	16	0.16
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	8	0.16
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	11	0.16
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	15	0.16
(1,181)	1:451:A:LYS:HE3	1:451:A:LYS:HB3	17	0.16
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	10	0.16
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	11	0.16
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	19	0.16
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	4	0.16
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	4	0.16
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	4	0.16
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	9	0.16
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	9	0.16
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	9	0.16
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	13	0.16
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	13	0.16
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	13	0.16
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	15	0.16
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	15	0.16
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	15	0.16
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	1	0.16
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	1	0.16
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	1	0.16
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	1	0.16
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	13	0.16
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	13	0.16
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	13	0.16
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	19	0.16
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	19	0.16
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	19	0.16
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	20	0.16
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	20	0.16
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	11	0.16
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	19	0.16
(1,30)	1:369:A:VAL:HB	1:370:A:SER:HA	18	0.16
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	12	0.16
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	12	0.16
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	12	0.16
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	12	0.16
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	12	0.16
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	12	0.16
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	12	0.16
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	12	0.16
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	12	0.16
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG11	16	0.16
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG12	16	0.16
(1,17)	1:345:A:ILE:HG21	1:457:A:VAL:HG13	16	0.16
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG11	16	0.16
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG12	16	0.16
(1,17)	1:345:A:ILE:HG22	1:457:A:VAL:HG13	16	0.16
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG11	16	0.16
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG12	16	0.16
(1,17)	1:345:A:ILE:HG23	1:457:A:VAL:HG13	16	0.16
(1,14)	1:388:A:GLU:HA	1:388:A:GLU:HG2	18	0.16
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	4	0.15
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	6	0.15
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	10	0.15
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	17	0.15
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	13	0.15
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	13	0.15
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	13	0.15
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	13	0.15
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	20	0.15
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	20	0.15
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	20	0.15
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	2	0.15
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	1	0.15
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	8	0.15
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	7	0.15
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	13	0.15
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	14	0.15
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	15	0.15
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	20	0.15
(1,4857)	1:438:A:GLY:H	1:372:A:LYS:HB3	1	0.15
(1,4857)	1:438:A:GLY:H	1:372:A:LYS:HB3	3	0.15
(1,4857)	1:438:A:GLY:H	1:372:A:LYS:HB3	10	0.15
(1,4828)	1:442:A:CYS:H	1:442:A:CYS:HB3	17	0.15
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	17	0.15
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	20	0.15
(1,4783)	1:425:A:TRP:H	1:425:A:TRP:HB3	10	0.15
(1,4762)	1:444:A:ASN:H	1:368:A:ILE:HB	9	0.15
(1,4762)	1:444:A:ASN:H	1:368:A:ILE:HB	18	0.15
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	14	0.15
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	19	0.15
(1,4750)	1:419:A:GLY:H	1:419:A:GLY:HA3	20	0.15
(1,4729)	1:407:A:VAL:H	1:406:A:PRO:HB2	11	0.15
(1,4729)	1:407:A:VAL:H	1:406:A:PRO:HB2	14	0.15
(1,4729)	1:407:A:VAL:H	1:406:A:PRO:HB2	17	0.15
(1,4729)	1:407:A:VAL:H	1:406:A:PRO:HB2	20	0.15
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG21	7	0.15
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG22	7	0.15
(1,4713)	1:458:A:GLU:H	1:457:A:VAL:HG23	7	0.15
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	12	0.15
(1,4621)	1:400:A:GLY:H	1:399:A:ASP:H	1	0.15
(1,4621)	1:400:A:GLY:H	1:399:A:ASP:H	17	0.15
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	1	0.15
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	2	0.15
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	6	0.15
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	7	0.15
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	17	0.15
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	19	0.15
(1,4595)	1:399:A:ASP:H	1:400:A:GLY:H	9	0.15
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	6	0.15
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	7	0.15
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	11	0.15
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	13	0.15
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	14	0.15
(1,4527)	1:441:A:GLY:H	1:439:A:SER:H	8	0.15
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	5	0.15
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	11	0.15
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	12	0.15
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	14	0.15
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	2	0.15
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG21	19	0.15
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG22	19	0.15
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG23	19	0.15
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	5	0.15
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	13	0.15
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	19	0.15
(1,4472)	1:448:A:SER:H	1:446:A:PRO:HB2	1	0.15
(1,4472)	1:448:A:SER:H	1:446:A:PRO:HB2	16	0.15
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	7	0.15
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	14	0.15
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	17	0.15
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	1	0.15
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	1	0.15
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	1	0.15
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	10	0.15
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	10	0.15
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	10	0.15
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	14	0.15
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	14	0.15
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	14	0.15
(1,4410)	1:426:A:GLN:H	1:425:A:TRP:HD1	9	0.15
(1,4410)	1:426:A:GLN:H	1:425:A:TRP:HD1	12	0.15
(1,4404)	1:417:A:GLY:H	1:417:A:GLY:HA2	8	0.15
(1,4390)	1:396:A:THR:H	1:395:A:GLY:HA3	20	0.15
(1,4389)	1:463:A:VAL:H	1:382:A:PHE:H	2	0.15
(1,4389)	1:463:A:VAL:H	1:382:A:PHE:H	16	0.15
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	1	0.15
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	9	0.15
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	10	0.15
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	11	0.15
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	12	0.15
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	13	0.15
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	14	0.15
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	17	0.15
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	18	0.15
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	20	0.15
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	6	0.15
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	14	0.15
(1,4349)	1:419:A:GLY:H	1:442:A:CYS:HA	18	0.15
(1,4348)	1:350:A:GLU:H	1:349:A:LEU:HG	3	0.15
(1,4348)	1:350:A:GLU:H	1:349:A:LEU:HG	12	0.15
(1,4348)	1:350:A:GLU:H	1:349:A:LEU:HG	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4337)	1:448:A:SER:H	1:448:A:SER:HB3	8	0.15
(1,4337)	1:448:A:SER:H	1:448:A:SER:HB3	14	0.15
(1,4329)	1:393:A:LEU:H	1:404:A:GLU:HG2	15	0.15
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	16	0.15
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	6	0.15
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	10	0.15
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG21	19	0.15
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG22	19	0.15
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG23	19	0.15
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	1	0.15
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	7	0.15
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	11	0.15
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	14	0.15
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	17	0.15
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	1	0.15
(1,4283)	1:374:A:THR:H	1:375:A:THR:H	14	0.15
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	3	0.15
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	4	0.15
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	5	0.15
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	7	0.15
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	1	0.15
(1,4265)	1:341:A:GLU:H	1:340:A:MET:HA	17	0.15
(1,4261)	1:460:A:GLY:H	1:461:A:THR:H	3	0.15
(1,4261)	1:460:A:GLY:H	1:461:A:THR:H	4	0.15
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	3	0.15
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	4	0.15
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	6	0.15
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	16	0.15
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	17	0.15
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD21	15	0.15
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD22	15	0.15
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD23	15	0.15
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	4	0.15
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	5	0.15
(1,4209)	1:349:A:LEU:H	1:349:A:LEU:HA	8	0.15
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	8	0.15
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	14	0.15
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	3	0.15
(1,4205)	1:444:A:ASN:H	1:444:A:ASN:HB2	5	0.15
(1,4205)	1:444:A:ASN:H	1:444:A:ASN:HB2	13	0.15
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE1	5	0.15
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE2	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE1	8	0.15
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE2	8	0.15
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	3	0.15
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	5	0.15
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	6	0.15
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	8	0.15
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	9	0.15
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	11	0.15
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	13	0.15
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	15	0.15
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	5	0.15
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	17	0.15
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	15	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	3	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	3	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	3	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	9	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	9	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	9	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	14	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	14	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	14	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	17	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	17	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	17	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	18	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	18	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	18	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	20	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	20	0.15
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	20	0.15
(1,4099)	1:344:A:TYR:H	1:343:A:THR:HA	4	0.15
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	10	0.15
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	12	0.15
(1,3998)	1:450:A:MET:H	1:446:A:PRO:HG2	10	0.15
(1,3967)	1:356:A:TYR:H	1:355:A:TRP:HA	9	0.15
(1,3960)	1:351:A:ASN:H	1:350:A:GLU:HB2	6	0.15
(1,3904)	1:344:A:TYR:HD1	1:344:A:TYR:HB2	8	0.15
(1,3904)	1:344:A:TYR:HD2	1:344:A:TYR:HB2	8	0.15
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	1	0.15
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	2	0.15
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	4	0.15
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	6	0.15
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	7	0.15
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	8	0.15
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	9	0.15
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	10	0.15
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	11	0.15
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	12	0.15
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	13	0.15
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	14	0.15
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	16	0.15
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	17	0.15
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	18	0.15
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	20	0.15
(1,3858)	1:434:A:TRP:HZ2	1:435:A:LYS:HD2	18	0.15
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	13	0.15
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	14	0.15
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	1	0.15
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	6	0.15
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	7	0.15
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	8	0.15
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	9	0.15
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	10	0.15
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	11	0.15
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	12	0.15
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	14	0.15
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	15	0.15
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	16	0.15
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	18	0.15
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	19	0.15
(1,3820)	1:425:A:TRP:HZ3	1:425:A:TRP:HH2	20	0.15
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	5	0.15
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	5	0.15
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	5	0.15
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	10	0.15
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	10	0.15
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	10	0.15
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	14	0.15
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	14	0.15
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	14	0.15
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	19	0.15
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	19	0.15
(1,3810)	1:344:A:TYR:HD1	1:345:A:ILE:H	1	0.15
(1,3810)	1:344:A:TYR:HD2	1:345:A:ILE:H	1	0.15
(1,3798)	1:466:A:PHE:HD1	1:464:A:LEU:HG	3	0.15
(1,3798)	1:466:A:PHE:HD2	1:464:A:LEU:HG	3	0.15
(1,3798)	1:466:A:PHE:HD1	1:464:A:LEU:HG	16	0.15
(1,3798)	1:466:A:PHE:HD2	1:464:A:LEU:HG	16	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	1	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	2	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	3	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	4	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	5	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	6	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	7	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	8	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	9	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	10	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	11	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	13	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	14	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	15	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	16	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	18	0.15
(1,3788)	1:410:A:TRP:HH2	1:410:A:TRP:HZ3	20	0.15
(1,3786)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	6	0.15
(1,3786)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	6	0.15
(1,3786)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	12	0.15
(1,3786)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	12	0.15
(1,3786)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	16	0.15
(1,3786)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	16	0.15
(1,3786)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	17	0.15
(1,3786)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	17	0.15
(1,3786)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	18	0.15
(1,3786)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	18	0.15
(1,3786)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	20	0.15
(1,3786)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	20	0.15
(1,3732)	1:383:A:TYR:HD1	1:383:A:TYR:HB2	2	0.15
(1,3732)	1:383:A:TYR:HD2	1:383:A:TYR:HB2	2	0.15
(1,3706)	1:355:A:TRP:HH2	1:348:A:ASP:HB2	6	0.15
(1,3706)	1:355:A:TRP:HH2	1:348:A:ASP:HB2	9	0.15
(1,3706)	1:355:A:TRP:HH2	1:348:A:ASP:HB2	18	0.15
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	1	0.15
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	15	0.15
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	15	0.15
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	19	0.15
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	19	0.15
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD21	4	0.15
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD22	4	0.15
(1,3661)	1:344:A:TYR:HE1	1:464:A:LEU:HD23	4	0.15
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD21	4	0.15
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD22	4	0.15
(1,3661)	1:344:A:TYR:HE2	1:464:A:LEU:HD23	4	0.15
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	7	0.15
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	10	0.15
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	14	0.15
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	4	0.15
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	4	0.15
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	11	0.15
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	11	0.15
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	18	0.15
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	18	0.15
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	19	0.15
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	19	0.15
(1,3586)	1:466:A:PHE:HE1	1:348:A:ASP:HB2	10	0.15
(1,3586)	1:466:A:PHE:HE2	1:348:A:ASP:HB2	10	0.15
(1,3586)	1:466:A:PHE:HE1	1:348:A:ASP:HB2	17	0.15
(1,3586)	1:466:A:PHE:HE2	1:348:A:ASP:HB2	17	0.15
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	9	0.15
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	9	0.15
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	11	0.15
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	11	0.15
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	11	0.15
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	16	0.15
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	16	0.15
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	16	0.15
(1,3558)	1:410:A:TRP:HD1	1:388:A:GLU:HA	5	0.15
(1,3546)	1:410:A:TRP:HD1	1:412:A:PRO:HG3	18	0.15
(1,3525)	1:355:A:TRP:HE3	1:354:A:MET:HA	1	0.15
(1,3525)	1:355:A:TRP:HE3	1:354:A:MET:HA	7	0.15
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	5	0.15
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	6	0.15
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	17	0.15
(1,3518)	1:358:A:LYS:HB3	1:358:A:LYS:HA	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	13	0.15
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	3	0.15
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	6	0.15
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	11	0.15
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	14	0.15
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	17	0.15
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	5	0.15
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	5	0.15
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	5	0.15
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	9	0.15
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	9	0.15
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	9	0.15
(1,3464)	1:437:A:ARG:HD2	1:437:A:ARG:HG2	6	0.15
(1,3464)	1:437:A:ARG:HD2	1:437:A:ARG:HG2	12	0.15
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	9	0.15
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	16	0.15
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	10	0.15
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	10	0.15
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	10	0.15
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	13	0.15
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	13	0.15
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	13	0.15
(1,3439)	1:450:A:MET:HE1	1:454:A:PHE:H	16	0.15
(1,3439)	1:450:A:MET:HE2	1:454:A:PHE:H	16	0.15
(1,3439)	1:450:A:MET:HE3	1:454:A:PHE:H	16	0.15
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	3	0.15
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	4	0.15
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	5	0.15
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	6	0.15
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	7	0.15
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	12	0.15
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	13	0.15
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	14	0.15
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	15	0.15
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	16	0.15
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	17	0.15
(1,3419)	1:422:A:ASP:HA	1:423:A:SER:HB3	18	0.15
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	12	0.15
(1,3370)	1:446:A:PRO:HA	1:447:A:PRO:HD2	6	0.15
(1,3367)	1:369:A:VAL:HG21	1:370:A:SER:H	17	0.15
(1,3367)	1:369:A:VAL:HG22	1:370:A:SER:H	17	0.15
(1,3367)	1:369:A:VAL:HG23	1:370:A:SER:H	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3351)	1:340:A:MET:HB3	1:340:A:MET:HA	13	0.15
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	12	0.15
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	1	0.15
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	2	0.15
(1,3321)	1:395:A:GLY:HA2	1:395:A:GLY:H	11	0.15
(1,3223)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	12	0.15
(1,3223)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	14	0.15
(1,3222)	1:352:A:GLN:HB2	1:352:A:GLN:H	4	0.15
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	18	0.15
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	1	0.15
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	3	0.15
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	4	0.15
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	6	0.15
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	9	0.15
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	14	0.15
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	18	0.15
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	20	0.15
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	4	0.15
(1,3155)	1:404:A:GLU:HG2	1:404:A:GLU:HB3	18	0.15
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	2	0.15
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	4	0.15
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	10	0.15
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	12	0.15
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	15	0.15
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	17	0.15
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	4	0.15
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	4	0.15
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	4	0.15
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	8	0.15
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	8	0.15
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	8	0.15
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	10	0.15
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	10	0.15
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	10	0.15
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	12	0.15
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	12	0.15
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	12	0.15
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	15	0.15
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	15	0.15
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	15	0.15
(1,3090)	1:459:A:LYS:HB2	1:460:A:GLY:HA2	10	0.15
(1,3082)	1:408:A:ASN:HB3	1:407:A:VAL:HA	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	2	0.15
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	2	0.15
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	2	0.15
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	2	0.15
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	2	0.15
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	2	0.15
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	2	0.15
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	2	0.15
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	2	0.15
(1,2928)	1:431:A:GLY:HA3	1:432:A:ASP:H	10	0.15
(1,2892)	1:349:A:LEU:HB3	1:350:A:GLU:HA	15	0.15
(1,2887)	1:352:A:GLN:HB3	1:351:A:ASN:HA	16	0.15
(1,2880)	1:426:A:GLN:HB2	1:426:A:GLN:H	10	0.15
(1,2872)	1:398:A:ASP:HB2	1:398:A:ASP:HA	20	0.15
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	4	0.15
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	4	0.15
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	4	0.15
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	10	0.15
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	10	0.15
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	10	0.15
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	14	0.15
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	14	0.15
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	14	0.15
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	4	0.15
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	4	0.15
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	4	0.15
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	6	0.15
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	6	0.15
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	6	0.15
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	8	0.15
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	8	0.15
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	8	0.15
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	10	0.15
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	10	0.15
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	10	0.15
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	12	0.15
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	12	0.15
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	12	0.15
(1,2847)	1:453:A:LEU:HD21	1:453:A:LEU:HB3	20	0.15
(1,2847)	1:453:A:LEU:HD22	1:453:A:LEU:HB3	20	0.15
(1,2847)	1:453:A:LEU:HD23	1:453:A:LEU:HB3	20	0.15
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	15	0.15
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	20	0.15
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	1	0.15
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	1	0.15
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	1	0.15
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	1	0.15
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	4	0.15
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	8	0.15
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	9	0.15
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	11	0.15
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	13	0.15
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	16	0.15
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	17	0.15
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	19	0.15
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	8	0.15
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	8	0.15
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	8	0.15
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	11	0.15
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	11	0.15
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	11	0.15
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	3	0.15
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	7	0.15
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	9	0.15
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	10	0.15
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	17	0.15
(1,2747)	1:341:A:GLU:HG3	1:341:A:GLU:HA	19	0.15
(1,2709)	1:459:A:LYS:HB3	1:459:A:LYS:HD2	1	0.15
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	4	0.15
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	6	0.15
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	10	0.15
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	17	0.15
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	19	0.15
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	17	0.15
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	17	0.15
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	17	0.15
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	2	0.15
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	3	0.15
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	14	0.15
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	20	0.15
(1,2613)	1:361:A:LYS:HD2	1:361:A:LYS:HE3	10	0.15
(1,2613)	1:361:A:LYS:HD2	1:361:A:LYS:HE3	16	0.15
(1,2613)	1:361:A:LYS:HD2	1:361:A:LYS:HE3	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	5	0.15
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	5	0.15
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	5	0.15
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	5	0.15
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	5	0.15
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	5	0.15
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	5	0.15
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	5	0.15
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	5	0.15
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	9	0.15
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	9	0.15
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	9	0.15
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	9	0.15
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	9	0.15
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	9	0.15
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	9	0.15
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	9	0.15
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	9	0.15
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	3	0.15
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	3	0.15
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	3	0.15
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	8	0.15
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	8	0.15
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	8	0.15
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	10	0.15
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	10	0.15
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	10	0.15
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	14	0.15
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	14	0.15
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	14	0.15
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	3	0.15
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	2	0.15
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	4	0.15
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	10	0.15
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	12	0.15
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	15	0.15
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	17	0.15
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	1	0.15
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	11	0.15
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	13	0.15
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	14	0.15
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	20	0.15
(1,2490)	1:394:A:LYS:HD2	1:394:A:LYS:HB3	12	0.15
(1,2462)	1:350:A:GLU:HB3	1:351:A:ASN:H	12	0.15
(1,2446)	1:423:A:SER:HA	1:422:A:ASP:HB3	16	0.15
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD21	16	0.15
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD22	16	0.15
(1,2390)	1:464:A:LEU:HB2	1:464:A:LEU:HD23	16	0.15
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	14	0.15
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	3	0.15
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	5	0.15
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	7	0.15
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	10	0.15
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	13	0.15
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	15	0.15
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	17	0.15
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	18	0.15
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	20	0.15
(1,2248)	1:361:A:LYS:HE2	1:361:A:LYS:HD3	12	0.15
(1,2245)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	12	0.15
(1,2224)	1:358:A:LYS:HD3	1:358:A:LYS:HG2	3	0.15
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	2	0.15
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	5	0.15
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	5	0.15
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	16	0.15
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	17	0.15
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	20	0.15
(1,2180)	1:394:A:LYS:HG2	1:394:A:LYS:HD3	15	0.15
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	2	0.15
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	2	0.15
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	2	0.15
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	12	0.15
(1,1969)	1:424:A:ASP:HB2	1:424:A:ASP:H	17	0.15
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	4	0.15
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	4	0.15
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	4	0.15
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	17	0.15
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	17	0.15
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	17	0.15
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	1	0.15
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	6	0.15
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	12	0.15
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	1	0.15
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	2	0.15
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	3	0.15
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	4	0.15
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	7	0.15
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	8	0.15
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	9	0.15
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	13	0.15
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	14	0.15
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	17	0.15
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	18	0.15
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	19	0.15
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	20	0.15
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	1	0.15
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	4	0.15
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	9	0.15
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	17	0.15
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	1	0.15
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	7	0.15
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	8	0.15
(1,1863)	1:387:A:LYS:HE3	1:387:A:LYS:HB2	2	0.15
(1,1849)	1:402:A:PRO:HG2	1:401:A:THR:HA	20	0.15
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	16	0.15
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	3	0.15
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	3	0.15
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	3	0.15
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	4	0.15
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	4	0.15
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	4	0.15
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	6	0.15
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	6	0.15
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	6	0.15
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	11	0.15
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	11	0.15
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	11	0.15
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	19	0.15
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	19	0.15
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	19	0.15
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	3	0.15
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	3	0.15
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	3	0.15
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	8	0.15
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	8	0.15
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	11	0.15
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	11	0.15
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	11	0.15
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	14	0.15
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	14	0.15
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	14	0.15
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	20	0.15
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	20	0.15
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	20	0.15
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	3	0.15
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	3	0.15
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	3	0.15
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	10	0.15
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	10	0.15
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	10	0.15
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	16	0.15
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	16	0.15
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	16	0.15
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	2	0.15
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	2	0.15
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	2	0.15
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	2	0.15
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	2	0.15
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	2	0.15
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	16	0.15
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	16	0.15
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	16	0.15
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	16	0.15
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	16	0.15
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	16	0.15
(1,1713)	1:420:A:ILE:HG21	1:421:A:HIS:H	2	0.15
(1,1713)	1:420:A:ILE:HG22	1:421:A:HIS:H	2	0.15
(1,1713)	1:420:A:ILE:HG23	1:421:A:HIS:H	2	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	5	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	5	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	5	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	7	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	7	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	7	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	10	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	10	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	11	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	11	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	11	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	13	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	13	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	13	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	16	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	16	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	16	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	17	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	17	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	17	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG21	20	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG22	20	0.15
(1,1650)	1:401:A:THR:HB	1:401:A:THR:HG23	20	0.15
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	12	0.15
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	10	0.15
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	10	0.15
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	10	0.15
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	11	0.15
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	11	0.15
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	11	0.15
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	12	0.15
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	13	0.15
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	17	0.15
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	20	0.15
(1,1495)	1:379:A:ALA:HB1	1:466:A:PHE:HB3	1	0.15
(1,1495)	1:379:A:ALA:HB2	1:466:A:PHE:HB3	1	0.15
(1,1495)	1:379:A:ALA:HB3	1:466:A:PHE:HB3	1	0.15
(1,1488)	1:372:A:LYS:HB3	1:373:A:PRO:HD2	18	0.15
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	1	0.15
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	3	0.15
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	9	0.15
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	18	0.15
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	4	0.15
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	4	0.15
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	4	0.15
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	5	0.15
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	5	0.15
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	12	0.15
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	12	0.15
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	12	0.15
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	1	0.15
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	16	0.15
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	7	0.15
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	8	0.15
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	10	0.15
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	3	0.15
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	6	0.15
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	3	0.15
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	7	0.15
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	9	0.15
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	10	0.15
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	17	0.15
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	4	0.15
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	6	0.15
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	9	0.15
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	15	0.15
(1,1311)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	6	0.15
(1,1311)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	12	0.15
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	4	0.15
(1,1284)	1:406:A:PRO:HG3	1:405:A:SER:HA	11	0.15
(1,1284)	1:406:A:PRO:HG3	1:405:A:SER:HA	13	0.15
(1,1284)	1:406:A:PRO:HG3	1:405:A:SER:HA	14	0.15
(1,1284)	1:406:A:PRO:HG3	1:405:A:SER:HA	18	0.15
(1,1284)	1:406:A:PRO:HG3	1:405:A:SER:HA	20	0.15
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	6	0.15
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	7	0.15
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	8	0.15
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	9	0.15
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	11	0.15
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	14	0.15
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	18	0.15
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	11	0.15
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	3	0.15
(1,1175)	1:387:A:LYS:HB2	1:388:A:GLU:H	5	0.15
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	1	0.15
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	8	0.15
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	12	0.15
(1,1174)	1:452:A:GLU:HB2	1:452:A:GLU:H	13	0.15
(1,1172)	1:387:A:LYS:HD2	1:387:A:LYS:HE3	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1161)	1:429:A:TYR:HB2	1:429:A:TYR:H	3	0.15
(1,1122)	1:389:A:GLU:HB2	1:389:A:GLU:HG2	9	0.15
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	2	0.15
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	4	0.15
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	8	0.15
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	12	0.15
(1,1095)	1:428:A:GLU:HB3	1:428:A:GLU:H	15	0.15
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	12	0.15
(1,1067)	1:435:A:LYS:HB2	1:436:A:THR:H	5	0.15
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	13	0.15
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	18	0.15
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	20	0.15
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	7	0.15
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	1	0.15
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	18	0.15
(1,1006)	1:354:A:MET:HE1	1:366:A:THR:H	10	0.15
(1,1006)	1:354:A:MET:HE2	1:366:A:THR:H	10	0.15
(1,1006)	1:354:A:MET:HE3	1:366:A:THR:H	10	0.15
(1,875)	1:461:A:THR:HG21	1:345:A:ILE:H	9	0.15
(1,875)	1:461:A:THR:HG22	1:345:A:ILE:H	9	0.15
(1,875)	1:461:A:THR:HG23	1:345:A:ILE:H	9	0.15
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	1	0.15
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	3	0.15
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	6	0.15
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	10	0.15
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	15	0.15
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	1	0.15
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	2	0.15
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	4	0.15
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	7	0.15
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	8	0.15
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	10	0.15
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	11	0.15
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	14	0.15
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	15	0.15
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	16	0.15
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	17	0.15
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	19	0.15
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	20	0.15
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	4	0.15
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	4	0.15
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	4	0.15
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	4	0.15
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	4	0.15
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	4	0.15
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	4	0.15
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	4	0.15
(1,743)	1:389:A:GLU:HG3	1:389:A:GLU:H	9	0.15
(1,730)	1:404:A:GLU:HA	1:404:A:GLU:HG3	10	0.15
(1,727)	1:401:A:THR:HA	1:402:A:PRO:HB2	17	0.15
(1,688)	1:390:A:ASP:HA	1:389:A:GLU:HB3	1	0.15
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	9	0.15
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	11	0.15
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	15	0.15
(1,659)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	3	0.15
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	2	0.15
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	3	0.15
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	6	0.15
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	7	0.15
(1,602)	1:456:A:MET:HB3	1:456:A:MET:HG3	12	0.15
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	15	0.15
(1,549)	1:394:A:LYS:HG2	1:394:A:LYS:HA	12	0.15
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	15	0.15
(1,510)	1:372:A:LYS:HD3	1:372:A:LYS:HG2	8	0.15
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	15	0.15
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	19	0.15
(1,395)	1:388:A:GLU:HA	1:388:A:GLU:HG3	3	0.15
(1,395)	1:388:A:GLU:HA	1:388:A:GLU:HG3	7	0.15
(1,395)	1:388:A:GLU:HA	1:388:A:GLU:HG3	15	0.15
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	8	0.15
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	8	0.15
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	8	0.15
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	14	0.15
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	14	0.15
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	14	0.15
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	20	0.15
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	20	0.15
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	20	0.15
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	5	0.15
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	5	0.15
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	5	0.15
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	13	0.15
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	13	0.15
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	14	0.15
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	14	0.15
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	14	0.15
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	16	0.15
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	16	0.15
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	16	0.15
(1,352)	1:432:A:ASP:HB2	1:435:A:LYS:HB3	16	0.15
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	5	0.15
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	11	0.15
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	20	0.15
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	2	0.15
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	5	0.15
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	12	0.15
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	16	0.15
(1,326)	1:446:A:PRO:HB2	1:446:A:PRO:HA	17	0.15
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	2	0.15
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	2	0.15
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	2	0.15
(1,310)	1:428:A:GLU:HB2	1:428:A:GLU:HA	5	0.15
(1,310)	1:428:A:GLU:HB2	1:428:A:GLU:HA	15	0.15
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	3	0.15
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	5	0.15
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	10	0.15
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	13	0.15
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	17	0.15
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	17	0.15
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	17	0.15
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	17	0.15
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	17	0.15
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	17	0.15
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	1	0.15
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	7	0.15
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	17	0.15
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	1	0.15
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	2	0.15
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	3	0.15
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	4	0.15
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	5	0.15
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	7	0.15
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	8	0.15
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	12	0.15
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	13	0.15
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	15	0.15
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	17	0.15
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	18	0.15
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	19	0.15
(1,191)	1:404:A:GLU:HG2	1:404:A:GLU:HG3	20	0.15
(1,187)	1:447:A:PRO:HD2	1:447:A:PRO:HB3	3	0.15
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	13	0.15
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	13	0.15
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	13	0.15
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	20	0.15
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	20	0.15
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	20	0.15
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	7	0.15
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	7	0.15
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	7	0.15
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	8	0.15
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	8	0.15
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	8	0.15
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	10	0.15
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	10	0.15
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	10	0.15
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	18	0.15
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	18	0.15
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	18	0.15
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	11	0.15
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	14	0.15
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	5	0.15
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	7	0.15
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	13	0.15
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	17	0.15
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	20	0.15
(1,111)	1:423:A:SER:HA	1:425:A:TRP:H	15	0.15
(1,100)	1:413:A:ILE:HG21	1:412:A:PRO:HA	6	0.15
(1,100)	1:413:A:ILE:HG22	1:412:A:PRO:HA	6	0.15
(1,100)	1:413:A:ILE:HG23	1:412:A:PRO:HA	6	0.15
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	1	0.15
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	14	0.15
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	20	0.15
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	3	0.14
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	15	0.14
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	6	0.14
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	6	0.14
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	6	0.14
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	4	0.14
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	8	0.14
(1,4916)	1:361:A:LYS:H	1:359:A:ASP:HB2	15	0.14
(1,4912)	1:425:A:TRP:H	1:424:A:ASP:HB3	9	0.14
(1,4909)	1:364:A:LEU:H	1:365:A:GLU:H	16	0.14
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	16	0.14
(1,4805)	1:408:A:ASN:H	1:407:A:VAL:HB	18	0.14
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	4	0.14
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	14	0.14
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	18	0.14
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	19	0.14
(1,4779)	1:436:A:THR:H	1:435:A:LYS:H	11	0.14
(1,4729)	1:407:A:VAL:H	1:406:A:PRO:HB2	2	0.14
(1,4729)	1:407:A:VAL:H	1:406:A:PRO:HB2	4	0.14
(1,4729)	1:407:A:VAL:H	1:406:A:PRO:HB2	8	0.14
(1,4729)	1:407:A:VAL:H	1:406:A:PRO:HB2	9	0.14
(1,4729)	1:407:A:VAL:H	1:406:A:PRO:HB2	18	0.14
(1,4729)	1:407:A:VAL:H	1:406:A:PRO:HB2	19	0.14
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	12	0.14
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	12	0.14
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	12	0.14
(1,4621)	1:400:A:GLY:H	1:399:A:ASP:H	8	0.14
(1,4621)	1:400:A:GLY:H	1:399:A:ASP:H	16	0.14
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	3	0.14
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	4	0.14
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	8	0.14
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	9	0.14
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	10	0.14
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	12	0.14
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	13	0.14
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	14	0.14
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	15	0.14
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	16	0.14
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	18	0.14
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	20	0.14
(1,4604)	1:343:A:THR:H	1:343:A:THR:HB	3	0.14
(1,4598)	1:397:A:ASN:HD22	1:403:A:TYR:HB2	6	0.14
(1,4598)	1:397:A:ASN:HD22	1:403:A:TYR:HB2	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4595)	1:399:A:ASP:H	1:400:A:GLY:H	4	0.14
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	5	0.14
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	10	0.14
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	18	0.14
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	16	0.14
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	8	0.14
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	10	0.14
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	6	0.14
(1,4541)	1:441:A:GLY:H	1:442:A:CYS:H	7	0.14
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	3	0.14
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	12	0.14
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	17	0.14
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG21	2	0.14
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG22	2	0.14
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG23	2	0.14
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG21	3	0.14
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG22	3	0.14
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG23	3	0.14
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG21	10	0.14
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG22	10	0.14
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG23	10	0.14
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	12	0.14
(1,4491)	1:351:A:ASN:H	1:351:A:ASN:HB2	7	0.14
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	4	0.14
(1,4472)	1:448:A:SER:H	1:446:A:PRO:HB2	2	0.14
(1,4472)	1:448:A:SER:H	1:446:A:PRO:HB2	10	0.14
(1,4472)	1:448:A:SER:H	1:446:A:PRO:HB2	14	0.14
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	4	0.14
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	5	0.14
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	9	0.14
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	13	0.14
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	17	0.14
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	20	0.14
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	4	0.14
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	4	0.14
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	4	0.14
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	17	0.14
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	17	0.14
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	17	0.14
(1,4423)	1:422:A:ASP:H	1:409:A:TYR:H	19	0.14
(1,4410)	1:426:A:GLN:H	1:425:A:TRP:HD1	19	0.14
(1,4390)	1:396:A:THR:H	1:395:A:GLY:HA3	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4390)	1:396:A:THR:H	1:395:A:GLY:HA3	13	0.14
(1,4390)	1:396:A:THR:H	1:395:A:GLY:HA3	15	0.14
(1,4390)	1:396:A:THR:H	1:395:A:GLY:HA3	19	0.14
(1,4389)	1:463:A:VAL:H	1:382:A:PHE:H	5	0.14
(1,4389)	1:463:A:VAL:H	1:382:A:PHE:H	19	0.14
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	4	0.14
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	8	0.14
(1,4387)	1:409:A:TYR:H	1:409:A:TYR:HA	15	0.14
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	1	0.14
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	7	0.14
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	8	0.14
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	16	0.14
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	17	0.14
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	18	0.14
(1,4349)	1:419:A:GLY:H	1:442:A:CYS:HA	15	0.14
(1,4348)	1:350:A:GLU:H	1:349:A:LEU:HG	4	0.14
(1,4348)	1:350:A:GLU:H	1:349:A:LEU:HG	20	0.14
(1,4339)	1:372:A:LYS:H	1:372:A:LYS:HG2	1	0.14
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	12	0.14
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	12	0.14
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	12	0.14
(1,4337)	1:448:A:SER:H	1:448:A:SER:HB3	11	0.14
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	2	0.14
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	6	0.14
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	10	0.14
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	11	0.14
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	14	0.14
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	2	0.14
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	3	0.14
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	15	0.14
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	14	0.14
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	17	0.14
(1,4283)	1:374:A:THR:H	1:375:A:THR:H	6	0.14
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	2	0.14
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	6	0.14
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	8	0.14
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	10	0.14
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	12	0.14
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	13	0.14
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	14	0.14
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	15	0.14
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	17	0.14
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	19	0.14
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	20	0.14
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG11	6	0.14
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG12	6	0.14
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG13	6	0.14
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	7	0.14
(1,4261)	1:460:A:GLY:H	1:461:A:THR:H	6	0.14
(1,4257)	1:352:A:GLN:H	1:352:A:GLN:HA	7	0.14
(1,4257)	1:352:A:GLN:H	1:352:A:GLN:HA	12	0.14
(1,4257)	1:352:A:GLN:H	1:352:A:GLN:HA	15	0.14
(1,4257)	1:352:A:GLN:H	1:352:A:GLN:HA	17	0.14
(1,4257)	1:352:A:GLN:H	1:352:A:GLN:HA	19	0.14
(1,4245)	1:363:A:ALA:H	1:358:A:LYS:HB2	9	0.14
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	1	0.14
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	15	0.14
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	5	0.14
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	10	0.14
(1,4205)	1:444:A:ASN:H	1:444:A:ASN:HB2	8	0.14
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	4	0.14
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	12	0.14
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	16	0.14
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	20	0.14
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	2	0.14
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	9	0.14
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	12	0.14
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG11	2	0.14
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG12	2	0.14
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG13	2	0.14
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG11	12	0.14
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG12	12	0.14
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG13	12	0.14
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	6	0.14
(1,4124)	1:443:A:ILE:H	1:443:A:ILE:HD11	2	0.14
(1,4124)	1:443:A:ILE:H	1:443:A:ILE:HD12	2	0.14
(1,4124)	1:443:A:ILE:H	1:443:A:ILE:HD13	2	0.14
(1,4115)	1:432:A:ASP:H	1:434:A:TRP:H	20	0.14
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	6	0.14
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	6	0.14
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	6	0.14
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG21	19	0.14
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG22	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4109)	1:366:A:THR:H	1:366:A:THR:HG23	19	0.14
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	3	0.14
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	6	0.14
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	7	0.14
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	9	0.14
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	11	0.14
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	13	0.14
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	19	0.14
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	1	0.14
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	8	0.14
(1,3998)	1:450:A:MET:H	1:446:A:PRO:HG2	5	0.14
(1,3996)	1:396:A:THR:H	1:403:A:TYR:H	1	0.14
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD11	1	0.14
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD12	1	0.14
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD13	1	0.14
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD11	18	0.14
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD12	18	0.14
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD13	18	0.14
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB1	18	0.14
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB2	18	0.14
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB3	18	0.14
(1,3930)	1:424:A:ASP:H	1:447:A:PRO:HA	6	0.14
(1,3930)	1:424:A:ASP:H	1:447:A:PRO:HA	10	0.14
(1,3898)	1:466:A:PHE:HE1	1:346:A:GLU:HB3	15	0.14
(1,3898)	1:466:A:PHE:HE2	1:346:A:GLU:HB3	15	0.14
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	5	0.14
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	15	0.14
(1,3895)	1:355:A:TRP:HZ3	1:355:A:TRP:HH2	19	0.14
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	7	0.14
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	10	0.14
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	20	0.14
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	10	0.14
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	10	0.14
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	10	0.14
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	10	0.14
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	10	0.14
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	10	0.14
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	12	0.14
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	12	0.14
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	12	0.14
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	12	0.14
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	12	0.14
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	13	0.14
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	13	0.14
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	13	0.14
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	13	0.14
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	13	0.14
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	13	0.14
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	9	0.14
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	9	0.14
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	9	0.14
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	9	0.14
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	9	0.14
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	9	0.14
(1,3819)	1:425:A:TRP:HE3	1:425:A:TRP:HA	4	0.14
(1,3819)	1:425:A:TRP:HE3	1:425:A:TRP:HA	8	0.14
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	7	0.14
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	7	0.14
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	7	0.14
(1,3798)	1:466:A:PHE:HD1	1:464:A:LEU:HG	8	0.14
(1,3798)	1:466:A:PHE:HD2	1:464:A:LEU:HG	8	0.14
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	6	0.14
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	6	0.14
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	6	0.14
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	6	0.14
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	6	0.14
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	6	0.14
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	10	0.14
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	10	0.14
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	10	0.14
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	10	0.14
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	10	0.14
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	10	0.14
(1,3786)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	3	0.14
(1,3786)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	3	0.14
(1,3786)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	11	0.14
(1,3786)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	11	0.14
(1,3786)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	15	0.14
(1,3786)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	15	0.14
(1,3786)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	19	0.14
(1,3786)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	19	0.14
(1,3776)	1:383:A:TYR:HD1	1:462:A:PRO:HG3	6	0.14
(1,3776)	1:383:A:TYR:HD2	1:462:A:PRO:HG3	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3776)	1:383:A:TYR:HD1	1:462:A:PRO:HG3	7	0.14
(1,3776)	1:383:A:TYR:HD2	1:462:A:PRO:HG3	7	0.14
(1,3758)	1:454:A:PHE:HD1	1:454:A:PHE:HB2	1	0.14
(1,3758)	1:454:A:PHE:HD2	1:454:A:PHE:HB2	1	0.14
(1,3753)	1:403:A:TYR:HE1	1:395:A:GLY:HA3	14	0.14
(1,3753)	1:403:A:TYR:HE2	1:395:A:GLY:HA3	14	0.14
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	5	0.14
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	9	0.14
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	12	0.14
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	15	0.14
(1,3707)	1:357:A:TYR:HE1	1:355:A:TRP:HB2	12	0.14
(1,3707)	1:357:A:TYR:HE2	1:355:A:TRP:HB2	12	0.14
(1,3706)	1:355:A:TRP:HH2	1:348:A:ASP:HB2	3	0.14
(1,3687)	1:425:A:TRP:HE3	1:424:A:ASP:HB2	5	0.14
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	3	0.14
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	3	0.14
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	9	0.14
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	9	0.14
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	11	0.14
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	11	0.14
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	13	0.14
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	13	0.14
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	14	0.14
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	14	0.14
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	17	0.14
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	17	0.14
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	18	0.14
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	18	0.14
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	1	0.14
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	1	0.14
(1,3653)	1:466:A:PHE:HD1	1:346:A:GLU:HG3	18	0.14
(1,3653)	1:466:A:PHE:HD2	1:346:A:GLU:HG3	18	0.14
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	1	0.14
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	1	0.14
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	1	0.14
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	2	0.14
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	3	0.14
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	4	0.14
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	5	0.14
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	6	0.14
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	8	0.14
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	10	0.14
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	11	0.14
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	12	0.14
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	13	0.14
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	15	0.14
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	16	0.14
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	17	0.14
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	18	0.14
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	2	0.14
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	2	0.14
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	10	0.14
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	10	0.14
(1,3586)	1:466:A:PHE:HE1	1:348:A:ASP:HB2	2	0.14
(1,3586)	1:466:A:PHE:HE2	1:348:A:ASP:HB2	2	0.14
(1,3577)	1:403:A:TYR:HD1	1:395:A:GLY:HA2	4	0.14
(1,3577)	1:403:A:TYR:HD2	1:395:A:GLY:HA2	4	0.14
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	10	0.14
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	10	0.14
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	10	0.14
(1,3558)	1:410:A:TRP:HD1	1:388:A:GLU:HA	2	0.14
(1,3525)	1:355:A:TRP:HE3	1:354:A:MET:HA	16	0.14
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	8	0.14
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	13	0.14
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	6	0.14
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	6	0.14
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	6	0.14
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	7	0.14
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	7	0.14
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	7	0.14
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	12	0.14
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	12	0.14
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	12	0.14
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	14	0.14
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	14	0.14
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	14	0.14
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	15	0.14
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	15	0.14
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	15	0.14
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	18	0.14
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	18	0.14
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	18	0.14
(1,3464)	1:437:A:ARG:HD2	1:437:A:ARG:HG2	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3464)	1:437:A:ARG:HD2	1:437:A:ARG:HG2	7	0.14
(1,3464)	1:437:A:ARG:HD2	1:437:A:ARG:HG2	11	0.14
(1,3460)	1:394:A:LYS:HE3	1:394:A:LYS:HB2	8	0.14
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	2	0.14
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	6	0.14
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	14	0.14
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	1	0.14
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	2	0.14
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	8	0.14
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	11	0.14
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	18	0.14
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	19	0.14
(1,3437)	1:427:A:PRO:HA	1:427:A:PRO:HG2	20	0.14
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	11	0.14
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	15	0.14
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	17	0.14
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	20	0.14
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD1	10	0.14
(1,3375)	1:429:A:TYR:HA	1:429:A:TYR:HD2	10	0.14
(1,3370)	1:446:A:PRO:HA	1:447:A:PRO:HD2	18	0.14
(1,3367)	1:369:A:VAL:HG21	1:370:A:SER:H	12	0.14
(1,3367)	1:369:A:VAL:HG22	1:370:A:SER:H	12	0.14
(1,3367)	1:369:A:VAL:HG23	1:370:A:SER:H	12	0.14
(1,3367)	1:369:A:VAL:HG21	1:370:A:SER:H	18	0.14
(1,3367)	1:369:A:VAL:HG22	1:370:A:SER:H	18	0.14
(1,3367)	1:369:A:VAL:HG23	1:370:A:SER:H	18	0.14
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	3	0.14
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	4	0.14
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	8	0.14
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	11	0.14
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	14	0.14
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	15	0.14
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	4	0.14
(1,3313)	1:402:A:PRO:HD3	1:402:A:PRO:HG3	17	0.14
(1,3253)	1:372:A:LYS:HD2	1:372:A:LYS:HB2	16	0.14
(1,3226)	1:457:A:VAL:HG21	1:457:A:VAL:HA	6	0.14
(1,3226)	1:457:A:VAL:HG22	1:457:A:VAL:HA	6	0.14
(1,3226)	1:457:A:VAL:HG23	1:457:A:VAL:HA	6	0.14
(1,3223)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	4	0.14
(1,3223)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	9	0.14
(1,3223)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	18	0.14
(1,3223)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	2	0.14
(1,3221)	1:394:A:LYS:HB2	1:394:A:LYS:HD3	5	0.14
(1,3201)	1:421:A:HIS:HA	1:422:A:ASP:HB2	2	0.14
(1,3201)	1:421:A:HIS:HA	1:422:A:ASP:HB2	11	0.14
(1,3201)	1:421:A:HIS:HA	1:422:A:ASP:HB2	15	0.14
(1,3201)	1:421:A:HIS:HA	1:422:A:ASP:HB2	18	0.14
(1,3201)	1:421:A:HIS:HA	1:422:A:ASP:HB2	20	0.14
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	2	0.14
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	7	0.14
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	8	0.14
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	11	0.14
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	12	0.14
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	15	0.14
(1,3195)	1:450:A:MET:HG3	1:450:A:MET:HB2	17	0.14
(1,3132)	1:437:A:ARG:HB2	1:437:A:ARG:HD3	16	0.14
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	3	0.14
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	3	0.14
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	3	0.14
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	5	0.14
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	5	0.14
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	5	0.14
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	16	0.14
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	16	0.14
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	16	0.14
(1,3082)	1:408:A:ASN:HB3	1:407:A:VAL:HA	18	0.14
(1,3075)	1:450:A:MET:HG2	1:450:A:MET:HA	10	0.14
(1,3075)	1:450:A:MET:HG2	1:450:A:MET:HA	16	0.14
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	16	0.14
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	16	0.14
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	16	0.14
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	16	0.14
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	16	0.14
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	16	0.14
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	16	0.14
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	16	0.14
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	16	0.14
(1,3060)	1:451:A:LYS:HB3	1:451:A:LYS:HG3	16	0.14
(1,3052)	1:441:A:GLY:HA2	1:442:A:CYS:HA	11	0.14
(1,3036)	1:445:A:THR:HG21	1:445:A:THR:HA	10	0.14
(1,3036)	1:445:A:THR:HG22	1:445:A:THR:HA	10	0.14
(1,3036)	1:445:A:THR:HG23	1:445:A:THR:HA	10	0.14
(1,3031)	1:381:A:VAL:HA	1:380:A:GLY:H	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3031)	1:381:A:VAL:HA	1:380:A:GLY:H	14	0.14
(1,2894)	1:451:A:LYS:HA	1:451:A:LYS:HG3	16	0.14
(1,2887)	1:352:A:GLN:HB3	1:351:A:ASN:HA	10	0.14
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD11	19	0.14
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD12	19	0.14
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD13	19	0.14
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	9	0.14
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	9	0.14
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	9	0.14
(1,2862)	1:433:A:LEU:HD11	1:433:A:LEU:HB2	17	0.14
(1,2862)	1:433:A:LEU:HD12	1:433:A:LEU:HB2	17	0.14
(1,2862)	1:433:A:LEU:HD13	1:433:A:LEU:HB2	17	0.14
(1,2861)	1:407:A:VAL:HG21	1:409:A:TYR:H	5	0.14
(1,2861)	1:407:A:VAL:HG22	1:409:A:TYR:H	5	0.14
(1,2861)	1:407:A:VAL:HG23	1:409:A:TYR:H	5	0.14
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	1	0.14
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	4	0.14
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	18	0.14
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	4	0.14
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	5	0.14
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	7	0.14
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	10	0.14
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	15	0.14
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	17	0.14
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	8	0.14
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	8	0.14
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	8	0.14
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	10	0.14
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	18	0.14
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	2	0.14
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	2	0.14
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	2	0.14
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	7	0.14
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	7	0.14
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	7	0.14
(1,2779)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	7	0.14
(1,2747)	1:341:A:GLU:HG3	1:341:A:GLU:HA	13	0.14
(1,2690)	1:399:A:ASP:HB2	1:398:A:ASP:HA	17	0.14
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	12	0.14
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	15	0.14
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	15	0.14
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	20	0.14
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	20	0.14
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	20	0.14
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	17	0.14
(1,2613)	1:361:A:LYS:HD2	1:361:A:LYS:HE3	9	0.14
(1,2613)	1:361:A:LYS:HD2	1:361:A:LYS:HE3	13	0.14
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	5	0.14
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	6	0.14
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	10	0.14
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	12	0.14
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	15	0.14
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	6	0.14
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	6	0.14
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	6	0.14
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	15	0.14
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	15	0.14
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	15	0.14
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	18	0.14
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	18	0.14
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	18	0.14
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	1	0.14
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	1	0.14
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	1	0.14
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	11	0.14
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	11	0.14
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	11	0.14
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	13	0.14
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	13	0.14
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	13	0.14
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	19	0.14
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	19	0.14
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	19	0.14
(1,2544)	1:389:A:GLU:HB3	1:390:A:ASP:H	13	0.14
(1,2544)	1:389:A:GLU:HB3	1:390:A:ASP:H	17	0.14
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	5	0.14
(1,2531)	1:399:A:ASP:HB3	1:400:A:GLY:H	17	0.14
(1,2520)	1:437:A:ARG:HD3	1:437:A:ARG:HB2	16	0.14
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	3	0.14
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	4	0.14
(1,2499)	1:362:A:VAL:HB	1:362:A:VAL:H	16	0.14
(1,2488)	1:350:A:GLU:HG2	1:350:A:GLU:HA	1	0.14
(1,2384)	1:452:A:GLU:HB2	1:453:A:LEU:HA	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	3	0.14
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	1	0.14
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	2	0.14
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	4	0.14
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	6	0.14
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	8	0.14
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	9	0.14
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	14	0.14
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	16	0.14
(1,2245)	1:358:A:LYS:HD2	1:358:A:LYS:HB3	3	0.14
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	8	0.14
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	18	0.14
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	1	0.14
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	2	0.14
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	3	0.14
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	6	0.14
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	7	0.14
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	8	0.14
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	9	0.14
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	11	0.14
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	12	0.14
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	13	0.14
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	14	0.14
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	15	0.14
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	18	0.14
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	19	0.14
(1,2127)	1:411:A:MET:HB3	1:411:A:MET:H	1	0.14
(1,2127)	1:411:A:MET:HB3	1:411:A:MET:H	4	0.14
(1,2127)	1:411:A:MET:HB3	1:411:A:MET:H	15	0.14
(1,2127)	1:411:A:MET:HB3	1:411:A:MET:H	17	0.14
(1,2026)	1:414:A:ASP:HB3	1:415:A:TRP:H	18	0.14
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	11	0.14
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	11	0.14
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	11	0.14
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	6	0.14
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	8	0.14
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	19	0.14
(1,1969)	1:424:A:ASP:HB2	1:424:A:ASP:H	2	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	9	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	9	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	9	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	10	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	10	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	13	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	13	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	13	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	14	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	14	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	14	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	15	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	15	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	15	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	16	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	16	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	16	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE1	18	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE2	18	0.14
(1,1964)	1:456:A:MET:HB2	1:456:A:MET:HE3	18	0.14
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	2	0.14
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	5	0.14
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	7	0.14
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	13	0.14
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	15	0.14
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	18	0.14
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	5	0.14
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	6	0.14
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	10	0.14
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	12	0.14
(1,1912)	1:393:A:LEU:HB2	1:393:A:LEU:HA	15	0.14
(1,1908)	1:341:A:GLU:HB3	1:340:A:MET:HA	13	0.14
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	19	0.14
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	2	0.14
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	10	0.14
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	11	0.14
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	18	0.14
(1,1876)	1:389:A:GLU:HB3	1:389:A:GLU:HG2	15	0.14
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	3	0.14
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	4	0.14
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	10	0.14
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	12	0.14
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	13	0.14
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	17	0.14
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	19	0.14
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	20	0.14
(1,1863)	1:387:A:LYS:HE3	1:387:A:LYS:HB2	6	0.14
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	7	0.14
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	7	0.14
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	7	0.14
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	12	0.14
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	12	0.14
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	12	0.14
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	15	0.14
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	15	0.14
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	15	0.14
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	20	0.14
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	20	0.14
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	20	0.14
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	12	0.14
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	12	0.14
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	12	0.14
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	4	0.14
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	4	0.14
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	4	0.14
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	5	0.14
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	5	0.14
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	5	0.14
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	13	0.14
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	13	0.14
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	13	0.14
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	9	0.14
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	9	0.14
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	9	0.14
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	9	0.14
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	9	0.14
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	9	0.14
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	11	0.14
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	11	0.14
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	11	0.14
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	11	0.14
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	11	0.14
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	11	0.14
(1,1713)	1:420:A:ILE:HG21	1:421:A:HIS:H	19	0.14
(1,1713)	1:420:A:ILE:HG22	1:421:A:HIS:H	19	0.14
(1,1713)	1:420:A:ILE:HG23	1:421:A:HIS:H	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1689)	1:411:A:MET:HE1	1:453:A:LEU:HG	7	0.14
(1,1689)	1:411:A:MET:HE2	1:453:A:LEU:HG	7	0.14
(1,1689)	1:411:A:MET:HE3	1:453:A:LEU:HG	7	0.14
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	13	0.14
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	13	0.14
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	13	0.14
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	20	0.14
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	20	0.14
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	20	0.14
(1,1627)	1:450:A:MET:HB2	1:450:A:MET:HG2	19	0.14
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	13	0.14
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	13	0.14
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	13	0.14
(1,1588)	1:458:A:GLU:HB2	1:458:A:GLU:HG3	3	0.14
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	8	0.14
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	9	0.14
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	10	0.14
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	11	0.14
(1,1554)	1:361:A:LYS:HG2	1:361:A:LYS:H	14	0.14
(1,1515)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	14	0.14
(1,1478)	1:435:A:LYS:HD3	1:435:A:LYS:HB3	4	0.14
(1,1478)	1:435:A:LYS:HD3	1:435:A:LYS:HB3	6	0.14
(1,1478)	1:435:A:LYS:HD3	1:435:A:LYS:HB3	7	0.14
(1,1478)	1:435:A:LYS:HD3	1:435:A:LYS:HB3	11	0.14
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	10	0.14
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	17	0.14
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	18	0.14
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	4	0.14
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	5	0.14
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	8	0.14
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	11	0.14
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	15	0.14
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	17	0.14
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	7	0.14
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	8	0.14
(1,1389)	1:358:A:LYS:HA	1:358:A:LYS:HG3	13	0.14
(1,1383)	1:450:A:MET:HE1	1:411:A:MET:HE1	6	0.14
(1,1383)	1:450:A:MET:HE1	1:411:A:MET:HE2	6	0.14
(1,1383)	1:450:A:MET:HE1	1:411:A:MET:HE3	6	0.14
(1,1383)	1:450:A:MET:HE2	1:411:A:MET:HE1	6	0.14
(1,1383)	1:450:A:MET:HE2	1:411:A:MET:HE2	6	0.14
(1,1383)	1:450:A:MET:HE2	1:411:A:MET:HE3	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1383)	1:450:A:MET:HE3	1:411:A:MET:HE1	6	0.14
(1,1383)	1:450:A:MET:HE3	1:411:A:MET:HE2	6	0.14
(1,1383)	1:450:A:MET:HE3	1:411:A:MET:HE3	6	0.14
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	4	0.14
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	12	0.14
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	14	0.14
(1,1379)	1:361:A:LYS:HD2	1:361:A:LYS:H	11	0.14
(1,1379)	1:361:A:LYS:HD2	1:361:A:LYS:H	13	0.14
(1,1379)	1:361:A:LYS:HD2	1:361:A:LYS:H	18	0.14
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	2	0.14
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	7	0.14
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	5	0.14
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	7	0.14
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	18	0.14
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	19	0.14
(1,1311)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	2	0.14
(1,1311)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	7	0.14
(1,1311)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	11	0.14
(1,1284)	1:406:A:PRO:HG3	1:405:A:SER:HA	3	0.14
(1,1284)	1:406:A:PRO:HG3	1:405:A:SER:HA	17	0.14
(1,1284)	1:406:A:PRO:HG3	1:405:A:SER:HA	19	0.14
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	1	0.14
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	10	0.14
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	13	0.14
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	19	0.14
(1,1271)	1:361:A:LYS:HD2	1:361:A:LYS:HG2	8	0.14
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	2	0.14
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	15	0.14
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	4	0.14
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	19	0.14
(1,1172)	1:387:A:LYS:HD2	1:387:A:LYS:HE3	11	0.14
(1,1172)	1:387:A:LYS:HD2	1:387:A:LYS:HE3	13	0.14
(1,1161)	1:429:A:TYR:HB2	1:429:A:TYR:H	8	0.14
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	2	0.14
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	2	0.14
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	2	0.14
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	7	0.14
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	7	0.14
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	7	0.14
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	13	0.14
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	13	0.14
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1132)	1:348:A:ASP:HA	1:349:A:LEU:HB3	3	0.14
(1,1132)	1:348:A:ASP:HA	1:349:A:LEU:HB3	4	0.14
(1,1132)	1:348:A:ASP:HA	1:349:A:LEU:HB3	8	0.14
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	10	0.14
(1,1098)	1:445:A:THR:HA	1:446:A:PRO:HA	11	0.14
(1,1095)	1:428:A:GLU:HB3	1:428:A:GLU:H	5	0.14
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	5	0.14
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	15	0.14
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	3	0.14
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	4	0.14
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	9	0.14
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	3	0.14
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	12	0.14
(1,937)	1:450:A:MET:HG2	1:450:A:MET:HB2	19	0.14
(1,897)	1:434:A:TRP:HA	1:435:A:LYS:HA	15	0.14
(1,875)	1:461:A:THR:HG21	1:345:A:ILE:H	11	0.14
(1,875)	1:461:A:THR:HG22	1:345:A:ILE:H	11	0.14
(1,875)	1:461:A:THR:HG23	1:345:A:ILE:H	11	0.14
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	2	0.14
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	8	0.14
(1,873)	1:464:A:LEU:HB2	1:464:A:LEU:HA	19	0.14
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	5	0.14
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	6	0.14
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	9	0.14
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	12	0.14
(1,837)	1:364:A:LEU:HA	1:364:A:LEU:H	18	0.14
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	12	0.14
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	4	0.14
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	4	0.14
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	4	0.14
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	1	0.14
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	1	0.14
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	1	0.14
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	1	0.14
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	1	0.14
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	1	0.14
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	1	0.14
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	1	0.14
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	1	0.14
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	14	0.14
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	14	0.14
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	14	0.14
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	14	0.14
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	14	0.14
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	14	0.14
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	14	0.14
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	14	0.14
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	15	0.14
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	15	0.14
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	15	0.14
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	15	0.14
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	15	0.14
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	15	0.14
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	15	0.14
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	15	0.14
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	15	0.14
(1,730)	1:404:A:GLU:HA	1:404:A:GLU:HG3	15	0.14
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	9	0.14
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	1	0.14
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	1	0.14
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	1	0.14
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	8	0.14
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	8	0.14
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	8	0.14
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	12	0.14
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	12	0.14
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	12	0.14
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	18	0.14
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	18	0.14
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	18	0.14
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	7	0.14
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	10	0.14
(1,659)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	5	0.14
(1,659)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	10	0.14
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	20	0.14
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	20	0.14
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	20	0.14
(1,635)	1:411:A:MET:HG3	1:411:A:MET:H	7	0.14
(1,613)	1:407:A:VAL:HG21	1:408:A:ASN:H	2	0.14
(1,613)	1:407:A:VAL:HG22	1:408:A:ASN:H	2	0.14
(1,613)	1:407:A:VAL:HG23	1:408:A:ASN:H	2	0.14
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	20	0.14
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	8	0.14
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	11	0.14
(1,561)	1:372:A:LYS:HG2	1:372:A:LYS:HA	3	0.14
(1,561)	1:372:A:LYS:HG2	1:372:A:LYS:HA	7	0.14
(1,544)	1:340:A:MET:HB2	1:341:A:GLU:HA	13	0.14
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	6	0.14
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	3	0.14
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	8	0.14
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	11	0.14
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	3	0.14
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	5	0.14
(1,395)	1:388:A:GLU:HA	1:388:A:GLU:HG3	9	0.14
(1,395)	1:388:A:GLU:HA	1:388:A:GLU:HG3	17	0.14
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	9	0.14
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	9	0.14
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	9	0.14
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	12	0.14
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	12	0.14
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	12	0.14
(1,360)	1:444:A:ASN:HB2	1:443:A:ILE:HA	6	0.14
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	12	0.14
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	11	0.14
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	11	0.14
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	11	0.14
(1,353)	1:396:A:THR:HG21	1:396:A:THR:HA	18	0.14
(1,353)	1:396:A:THR:HG22	1:396:A:THR:HA	18	0.14
(1,353)	1:396:A:THR:HG23	1:396:A:THR:HA	18	0.14
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	12	0.14
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	13	0.14
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	5	0.14
(1,335)	1:394:A:LYS:HG3	1:394:A:LYS:HE3	15	0.14
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	4	0.14
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	4	0.14
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	4	0.14
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	5	0.14
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	5	0.14
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	5	0.14
(1,310)	1:428:A:GLU:HB2	1:428:A:GLU:HA	4	0.14
(1,310)	1:428:A:GLU:HB2	1:428:A:GLU:HA	8	0.14
(1,310)	1:428:A:GLU:HB2	1:428:A:GLU:HA	17	0.14
(1,310)	1:428:A:GLU:HB2	1:428:A:GLU:HA	19	0.14
(1,294)	1:358:A:LYS:HA	1:358:A:LYS:HD3	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:358:A:LYS:HA	1:358:A:LYS:HD3	18	0.14
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	2	0.14
(1,267)	1:340:A:MET:HA	1:340:A:MET:HG3	9	0.14
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	19	0.14
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	19	0.14
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	19	0.14
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	19	0.14
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	19	0.14
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	19	0.14
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	20	0.14
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	20	0.14
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	20	0.14
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	20	0.14
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	20	0.14
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	20	0.14
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	4	0.14
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	5	0.14
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	14	0.14
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	15	0.14
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	6	0.14
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	6	0.14
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	6	0.14
(1,159)	1:376:A:PRO:HA	1:375:A:THR:H	6	0.14
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	2	0.14
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	16	0.14
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	2	0.14
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	3	0.14
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	4	0.14
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	6	0.14
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	9	0.14
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	10	0.14
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	11	0.14
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	12	0.14
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	15	0.14
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	16	0.14
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	18	0.14
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	19	0.14
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	8	0.14
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	13	0.14
(1,83)	1:358:A:LYS:HE3	1:358:A:LYS:HG2	18	0.14
(1,28)	1:394:A:LYS:HD3	1:394:A:LYS:HE3	15	0.14
(1,7)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	18	0.13
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	5	0.13
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	10	0.13
(1,4960)	1:357:A:TYR:H	1:356:A:TYR:HD1	12	0.13
(1,4960)	1:357:A:TYR:H	1:356:A:TYR:HD2	12	0.13
(1,4959)	1:390:A:ASP:H	1:391:A:ALA:H	13	0.13
(1,4945)	1:441:A:GLY:H	1:372:A:LYS:H	19	0.13
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	4	0.13
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	4	0.13
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	4	0.13
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	12	0.13
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	12	0.13
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	12	0.13
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG21	15	0.13
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG22	15	0.13
(1,4924)	1:400:A:GLY:H	1:396:A:THR:HG23	15	0.13
(1,4857)	1:438:A:GLY:H	1:372:A:LYS:HB3	7	0.13
(1,4857)	1:438:A:GLY:H	1:372:A:LYS:HB3	12	0.13
(1,4852)	1:363:A:ALA:H	1:356:A:TYR:HB3	9	0.13
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	3	0.13
(1,4844)	1:403:A:TYR:H	1:397:A:ASN:H	20	0.13
(1,4834)	1:437:A:ARG:H	1:438:A:GLY:H	13	0.13
(1,4792)	1:350:A:GLU:H	1:349:A:LEU:H	16	0.13
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	8	0.13
(1,4779)	1:436:A:THR:H	1:435:A:LYS:H	6	0.13
(1,4762)	1:444:A:ASN:H	1:368:A:ILE:HB	4	0.13
(1,4762)	1:444:A:ASN:H	1:368:A:ILE:HB	10	0.13
(1,4762)	1:444:A:ASN:H	1:368:A:ILE:HB	11	0.13
(1,4729)	1:407:A:VAL:H	1:406:A:PRO:HB2	3	0.13
(1,4729)	1:407:A:VAL:H	1:406:A:PRO:HB2	13	0.13
(1,4725)	1:395:A:GLY:H	1:402:A:PRO:HB3	3	0.13
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	11	0.13
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	11	0.13
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	11	0.13
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD11	16	0.13
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD12	16	0.13
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD13	16	0.13
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	5	0.13
(1,4631)	1:397:A:ASN:HD21	1:400:A:GLY:H	20	0.13
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	5	0.13
(1,4620)	1:359:A:ASP:H	1:359:A:ASP:HA	11	0.13
(1,4595)	1:399:A:ASP:H	1:400:A:GLY:H	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	15	0.13
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	16	0.13
(1,4571)	1:389:A:GLU:H	1:389:A:GLU:HB2	1	0.13
(1,4571)	1:389:A:GLU:H	1:389:A:GLU:HB2	10	0.13
(1,4571)	1:389:A:GLU:H	1:389:A:GLU:HB2	13	0.13
(1,4571)	1:389:A:GLU:H	1:389:A:GLU:HB2	15	0.13
(1,4564)	1:438:A:GLY:H	1:437:A:ARG:H	13	0.13
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	2	0.13
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	5	0.13
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	6	0.13
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	9	0.13
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	10	0.13
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	13	0.13
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	14	0.13
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	15	0.13
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	18	0.13
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	19	0.13
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	20	0.13
(1,4512)	1:342:A:ASP:H	1:343:A:THR:HA	15	0.13
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	19	0.13
(1,4498)	1:364:A:LEU:H	1:363:A:ALA:H	6	0.13
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG21	9	0.13
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG22	9	0.13
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG23	9	0.13
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG21	14	0.13
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG22	14	0.13
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG23	14	0.13
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	10	0.13
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	20	0.13
(1,4472)	1:448:A:SER:H	1:446:A:PRO:HB2	12	0.13
(1,4472)	1:448:A:SER:H	1:446:A:PRO:HB2	18	0.13
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	12	0.13
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	16	0.13
(1,4462)	1:466:A:PHE:H	1:466:A:PHE:HA	18	0.13
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	3	0.13
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	14	0.13
(1,4410)	1:426:A:GLN:H	1:425:A:TRP:HD1	13	0.13
(1,4410)	1:426:A:GLN:H	1:425:A:TRP:HD1	15	0.13
(1,4410)	1:426:A:GLN:H	1:425:A:TRP:HD1	17	0.13
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	9	0.13
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	4	0.13
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	11	0.13
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	15	0.13
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	20	0.13
(1,4349)	1:419:A:GLY:H	1:442:A:CYS:HA	20	0.13
(1,4348)	1:350:A:GLU:H	1:349:A:LEU:HG	1	0.13
(1,4348)	1:350:A:GLU:H	1:349:A:LEU:HG	2	0.13
(1,4348)	1:350:A:GLU:H	1:349:A:LEU:HG	11	0.13
(1,4337)	1:448:A:SER:H	1:448:A:SER:HB3	9	0.13
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	9	0.13
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	15	0.13
(1,4316)	1:360:A:GLY:H	1:358:A:LYS:HG2	8	0.13
(1,4315)	1:366:A:THR:H	1:365:A:GLU:HA	12	0.13
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG21	1	0.13
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG22	1	0.13
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG23	1	0.13
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	6	0.13
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	12	0.13
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	13	0.13
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	18	0.13
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	20	0.13
(1,4283)	1:374:A:THR:H	1:375:A:THR:H	7	0.13
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	1	0.13
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	9	0.13
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	11	0.13
(1,4272)	1:436:A:THR:H	1:435:A:LYS:HG2	18	0.13
(1,4261)	1:460:A:GLY:H	1:461:A:THR:H	12	0.13
(1,4257)	1:352:A:GLN:H	1:352:A:GLN:HA	10	0.13
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	2	0.13
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	7	0.13
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	19	0.13
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	17	0.13
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE1	9	0.13
(1,4194)	1:344:A:TYR:H	1:356:A:TYR:HE2	9	0.13
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG11	8	0.13
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG12	8	0.13
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG13	8	0.13
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG11	13	0.13
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG12	13	0.13
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG13	13	0.13
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG11	18	0.13
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG12	18	0.13
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG13	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4146)	1:410:A:TRP:HE1	1:410:A:TRP:HB2	11	0.13
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	9	0.13
(1,4115)	1:432:A:ASP:H	1:434:A:TRP:H	15	0.13
(1,4098)	1:383:A:TYR:H	1:383:A:TYR:HD1	14	0.13
(1,4098)	1:383:A:TYR:H	1:383:A:TYR:HD2	14	0.13
(1,4096)	1:445:A:THR:H	1:445:A:THR:HB	4	0.13
(1,4096)	1:445:A:THR:H	1:445:A:THR:HB	7	0.13
(1,4096)	1:445:A:THR:H	1:445:A:THR:HB	9	0.13
(1,4096)	1:445:A:THR:H	1:445:A:THR:HB	11	0.13
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD11	2	0.13
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD12	2	0.13
(1,4089)	1:419:A:GLY:H	1:413:A:ILE:HD13	2	0.13
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	2	0.13
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	5	0.13
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	2	0.13
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	7	0.13
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	17	0.13
(1,4010)	1:397:A:ASN:H	1:395:A:GLY:H	12	0.13
(1,3995)	1:451:A:LYS:H	1:452:A:GLU:H	5	0.13
(1,3960)	1:351:A:ASN:H	1:350:A:GLU:HB2	15	0.13
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB1	10	0.13
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB2	10	0.13
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB3	10	0.13
(1,3930)	1:424:A:ASP:H	1:447:A:PRO:HA	1	0.13
(1,3930)	1:424:A:ASP:H	1:447:A:PRO:HA	14	0.13
(1,3898)	1:466:A:PHE:HE1	1:346:A:GLU:HB3	6	0.13
(1,3898)	1:466:A:PHE:HE2	1:346:A:GLU:HB3	6	0.13
(1,3885)	1:355:A:TRP:HH2	1:348:A:ASP:HA	5	0.13
(1,3858)	1:434:A:TRP:HZ2	1:435:A:LYS:HD2	1	0.13
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	1	0.13
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	1	0.13
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	1	0.13
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	1	0.13
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	1	0.13
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	1	0.13
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	19	0.13
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	19	0.13
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	19	0.13
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	19	0.13
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	19	0.13
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	19	0.13
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	20	0.13
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	20	0.13
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	20	0.13
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	20	0.13
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	20	0.13
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG11	14	0.13
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG12	14	0.13
(1,3835)	1:356:A:TYR:HE1	1:457:A:VAL:HG13	14	0.13
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG11	14	0.13
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG12	14	0.13
(1,3835)	1:356:A:TYR:HE2	1:457:A:VAL:HG13	14	0.13
(1,3825)	1:425:A:TRP:HZ3	1:406:A:PRO:HG3	12	0.13
(1,3819)	1:425:A:TRP:HE3	1:425:A:TRP:HA	6	0.13
(1,3819)	1:425:A:TRP:HE3	1:425:A:TRP:HA	7	0.13
(1,3819)	1:425:A:TRP:HE3	1:425:A:TRP:HA	18	0.13
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	4	0.13
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	4	0.13
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	4	0.13
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	11	0.13
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	11	0.13
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	11	0.13
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	20	0.13
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	20	0.13
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	20	0.13
(1,3798)	1:466:A:PHE:HD1	1:464:A:LEU:HG	4	0.13
(1,3798)	1:466:A:PHE:HD2	1:464:A:LEU:HG	4	0.13
(1,3798)	1:466:A:PHE:HD1	1:464:A:LEU:HG	6	0.13
(1,3798)	1:466:A:PHE:HD2	1:464:A:LEU:HG	6	0.13
(1,3798)	1:466:A:PHE:HD1	1:464:A:LEU:HG	11	0.13
(1,3798)	1:466:A:PHE:HD2	1:464:A:LEU:HG	11	0.13
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	19	0.13
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	19	0.13
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	19	0.13
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	19	0.13
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	19	0.13
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	19	0.13
(1,3786)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	2	0.13
(1,3786)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	2	0.13
(1,3786)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	10	0.13
(1,3786)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	10	0.13
(1,3786)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	14	0.13
(1,3786)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3776)	1:383:A:TYR:HD1	1:462:A:PRO:HG3	15	0.13
(1,3776)	1:383:A:TYR:HD2	1:462:A:PRO:HG3	15	0.13
(1,3776)	1:383:A:TYR:HD1	1:462:A:PRO:HG3	17	0.13
(1,3776)	1:383:A:TYR:HD2	1:462:A:PRO:HG3	17	0.13
(1,3776)	1:383:A:TYR:HD1	1:462:A:PRO:HG3	19	0.13
(1,3776)	1:383:A:TYR:HD2	1:462:A:PRO:HG3	19	0.13
(1,3758)	1:454:A:PHE:HD1	1:454:A:PHE:HB2	5	0.13
(1,3758)	1:454:A:PHE:HD2	1:454:A:PHE:HB2	5	0.13
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	3	0.13
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	4	0.13
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	7	0.13
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	8	0.13
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	10	0.13
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	13	0.13
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	14	0.13
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	16	0.13
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	17	0.13
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	18	0.13
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	20	0.13
(1,3706)	1:355:A:TRP:HH2	1:348:A:ASP:HB2	2	0.13
(1,3706)	1:355:A:TRP:HH2	1:348:A:ASP:HB2	20	0.13
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	16	0.13
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	16	0.13
(1,3681)	1:429:A:TYR:HD1	1:429:A:TYR:HB2	1	0.13
(1,3681)	1:429:A:TYR:HD2	1:429:A:TYR:HB2	1	0.13
(1,3681)	1:429:A:TYR:HD1	1:429:A:TYR:HB2	9	0.13
(1,3681)	1:429:A:TYR:HD2	1:429:A:TYR:HB2	9	0.13
(1,3681)	1:429:A:TYR:HD1	1:429:A:TYR:HB2	18	0.13
(1,3681)	1:429:A:TYR:HD2	1:429:A:TYR:HB2	18	0.13
(1,3666)	1:383:A:TYR:HD1	1:462:A:PRO:HB3	14	0.13
(1,3666)	1:383:A:TYR:HD2	1:462:A:PRO:HB3	14	0.13
(1,3653)	1:466:A:PHE:HD1	1:346:A:GLU:HG3	13	0.13
(1,3653)	1:466:A:PHE:HD2	1:346:A:GLU:HG3	13	0.13
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	7	0.13
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	14	0.13
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	19	0.13
(1,3615)	1:415:A:TRP:HE3	1:415:A:TRP:HZ3	20	0.13
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	1	0.13
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	1	0.13
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	9	0.13
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	9	0.13
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	16	0.13
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	17	0.13
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	17	0.13
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	20	0.13
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	20	0.13
(1,3577)	1:403:A:TYR:HD1	1:395:A:GLY:HA2	17	0.13
(1,3577)	1:403:A:TYR:HD2	1:395:A:GLY:HA2	17	0.13
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	11	0.13
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	11	0.13
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	12	0.13
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	12	0.13
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	12	0.13
(1,3558)	1:410:A:TRP:HD1	1:388:A:GLU:HA	12	0.13
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG21	9	0.13
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG22	9	0.13
(1,3542)	1:355:A:TRP:HE3	1:362:A:VAL:HG23	9	0.13
(1,3525)	1:355:A:TRP:HE3	1:354:A:MET:HA	17	0.13
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	18	0.13
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	19	0.13
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	1	0.13
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	1	0.13
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	1	0.13
(1,3464)	1:437:A:ARG:HD2	1:437:A:ARG:HG2	10	0.13
(1,3464)	1:437:A:ARG:HD2	1:437:A:ARG:HG2	20	0.13
(1,3460)	1:394:A:LYS:HE3	1:394:A:LYS:HB2	17	0.13
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	1	0.13
(1,3456)	1:397:A:ASN:HA	1:398:A:ASP:HA	8	0.13
(1,3425)	1:382:A:PHE:HB2	1:383:A:TYR:H	6	0.13
(1,3370)	1:446:A:PRO:HA	1:447:A:PRO:HD2	14	0.13
(1,3346)	1:387:A:LYS:HB3	1:388:A:GLU:H	14	0.13
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	11	0.13
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	19	0.13
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	9	0.13
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	19	0.13
(1,3223)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	1	0.13
(1,3223)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	16	0.13
(1,3223)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	17	0.13
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	18	0.13
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	18	0.13
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	18	0.13
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	18	0.13
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	18	0.13
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	18	0.13
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	18	0.13
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	18	0.13
(1,3201)	1:421:A:HIS:HA	1:422:A:ASP:HB2	7	0.13
(1,3201)	1:421:A:HIS:HA	1:422:A:ASP:HB2	17	0.13
(1,3175)	1:408:A:ASN:HA	1:407:A:VAL:HA	10	0.13
(1,3175)	1:408:A:ASN:HA	1:407:A:VAL:HA	13	0.13
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	9	0.13
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	9	0.13
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	9	0.13
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	11	0.13
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	11	0.13
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	11	0.13
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	17	0.13
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	17	0.13
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	17	0.13
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	18	0.13
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	18	0.13
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	18	0.13
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	19	0.13
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	19	0.13
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	19	0.13
(1,3104)	1:463:A:VAL:HG11	1:463:A:VAL:H	13	0.13
(1,3104)	1:463:A:VAL:HG12	1:463:A:VAL:H	13	0.13
(1,3104)	1:463:A:VAL:HG13	1:463:A:VAL:H	13	0.13
(1,3104)	1:463:A:VAL:HG11	1:463:A:VAL:H	17	0.13
(1,3104)	1:463:A:VAL:HG12	1:463:A:VAL:H	17	0.13
(1,3104)	1:463:A:VAL:HG13	1:463:A:VAL:H	17	0.13
(1,3104)	1:463:A:VAL:HG11	1:463:A:VAL:H	19	0.13
(1,3104)	1:463:A:VAL:HG12	1:463:A:VAL:H	19	0.13
(1,3104)	1:463:A:VAL:HG13	1:463:A:VAL:H	19	0.13
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	1	0.13
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	2	0.13
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	4	0.13
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	19	0.13
(1,3085)	1:399:A:ASP:HA	1:399:A:ASP:HB3	5	0.13
(1,3082)	1:408:A:ASN:HB3	1:407:A:VAL:HA	8	0.13
(1,3082)	1:408:A:ASN:HB3	1:407:A:VAL:HA	9	0.13
(1,3082)	1:408:A:ASN:HB3	1:407:A:VAL:HA	17	0.13
(1,3075)	1:450:A:MET:HG2	1:450:A:MET:HA	13	0.13
(1,2950)	1:386:A:ASN:HB2	1:412:A:PRO:HD3	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2950)	1:386:A:ASN:HB2	1:412:A:PRO:HD3	15	0.13
(1,2919)	1:442:A:CYS:HB2	1:442:A:CYS:HA	11	0.13
(1,2887)	1:352:A:GLN:HB3	1:351:A:ASN:HA	2	0.13
(1,2887)	1:352:A:GLN:HB3	1:351:A:ASN:HA	4	0.13
(1,2887)	1:352:A:GLN:HB3	1:351:A:ASN:HA	6	0.13
(1,2887)	1:352:A:GLN:HB3	1:351:A:ASN:HA	7	0.13
(1,2887)	1:352:A:GLN:HB3	1:351:A:ASN:HA	14	0.13
(1,2887)	1:352:A:GLN:HB3	1:351:A:ASN:HA	17	0.13
(1,2875)	1:390:A:ASP:HA	1:390:A:ASP:HB2	9	0.13
(1,2875)	1:390:A:ASP:HA	1:390:A:ASP:HB2	13	0.13
(1,2875)	1:390:A:ASP:HA	1:390:A:ASP:HB2	18	0.13
(1,2875)	1:390:A:ASP:HA	1:390:A:ASP:HB2	19	0.13
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	9	0.13
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	11	0.13
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	16	0.13
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	19	0.13
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD1	1	0.13
(1,2824)	1:340:A:MET:HE1	1:466:A:PHE:HD2	1	0.13
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD1	1	0.13
(1,2824)	1:340:A:MET:HE2	1:466:A:PHE:HD2	1	0.13
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD1	1	0.13
(1,2824)	1:340:A:MET:HE3	1:466:A:PHE:HD2	1	0.13
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	2	0.13
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	2	0.13
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	2	0.13
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	5	0.13
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	5	0.13
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	5	0.13
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	15	0.13
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	15	0.13
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	15	0.13
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	15	0.13
(1,2812)	1:459:A:LYS:HA	1:459:A:LYS:HB3	20	0.13
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	6	0.13
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	6	0.13
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	6	0.13
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	9	0.13
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	9	0.13
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	9	0.13
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	20	0.13
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	20	0.13
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	2	0.13
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	5	0.13
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	8	0.13
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	11	0.13
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	19	0.13
(1,2747)	1:341:A:GLU:HG3	1:341:A:GLU:HA	2	0.13
(1,2747)	1:341:A:GLU:HG3	1:341:A:GLU:HA	11	0.13
(1,2747)	1:341:A:GLU:HG3	1:341:A:GLU:HA	20	0.13
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	7	0.13
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	7	0.13
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	7	0.13
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	8	0.13
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	8	0.13
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	8	0.13
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	18	0.13
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	18	0.13
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	18	0.13
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	19	0.13
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	19	0.13
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	19	0.13
(1,2666)	1:389:A:GLU:HG2	1:389:A:GLU:HB3	11	0.13
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	7	0.13
(1,2580)	1:358:A:LYS:HG3	1:358:A:LYS:HE2	3	0.13
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG21	16	0.13
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG22	16	0.13
(1,2574)	1:413:A:ILE:HD11	1:413:A:ILE:HG23	16	0.13
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG21	16	0.13
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG22	16	0.13
(1,2574)	1:413:A:ILE:HD12	1:413:A:ILE:HG23	16	0.13
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG21	16	0.13
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG22	16	0.13
(1,2574)	1:413:A:ILE:HD13	1:413:A:ILE:HG23	16	0.13
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	7	0.13
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	7	0.13
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	7	0.13
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	11	0.13
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	11	0.13
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	11	0.13
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	4	0.13
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	4	0.13
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	4	0.13
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	5	0.13
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	5	0.13
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	12	0.13
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	12	0.13
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	12	0.13
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	16	0.13
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	16	0.13
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	16	0.13
(1,2544)	1:389:A:GLU:HB3	1:390:A:ASP:H	12	0.13
(1,2533)	1:435:A:LYS:HD2	1:435:A:LYS:HB2	9	0.13
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	1	0.13
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	1	0.13
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	1	0.13
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	2	0.13
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	2	0.13
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	2	0.13
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	3	0.13
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	3	0.13
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	3	0.13
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	17	0.13
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	17	0.13
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	17	0.13
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	7	0.13
(1,2503)	1:451:A:LYS:HB2	1:451:A:LYS:HE3	8	0.13
(1,2488)	1:350:A:GLU:HG2	1:350:A:GLU:HA	3	0.13
(1,2462)	1:350:A:GLU:HB3	1:351:A:ASN:H	16	0.13
(1,2462)	1:350:A:GLU:HB3	1:351:A:ASN:H	17	0.13
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	12	0.13
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	19	0.13
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	10	0.13
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	17	0.13
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	19	0.13
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	4	0.13
(1,2184)	1:446:A:PRO:HG2	1:446:A:PRO:HB3	10	0.13
(1,2163)	1:435:A:LYS:HG2	1:435:A:LYS:H	1	0.13
(1,2163)	1:435:A:LYS:HG2	1:435:A:LYS:H	19	0.13
(1,2127)	1:411:A:MET:HB3	1:411:A:MET:H	12	0.13
(1,2127)	1:411:A:MET:HB3	1:411:A:MET:H	16	0.13
(1,2127)	1:411:A:MET:HB3	1:411:A:MET:H	19	0.13
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD11	9	0.13
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD12	9	0.13
(1,2033)	1:364:A:LEU:HB2	1:453:A:LEU:HD13	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	5	0.13
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	5	0.13
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	5	0.13
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	9	0.13
(1,1969)	1:424:A:ASP:HB2	1:424:A:ASP:H	13	0.13
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	3	0.13
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	8	0.13
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	11	0.13
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	17	0.13
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	2	0.13
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	11	0.13
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	14	0.13
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	16	0.13
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	18	0.13
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	7	0.13
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	12	0.13
(1,1876)	1:389:A:GLU:HB3	1:389:A:GLU:HG2	18	0.13
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	14	0.13
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	15	0.13
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	1	0.13
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	1	0.13
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	1	0.13
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	2	0.13
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	2	0.13
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	2	0.13
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	3	0.13
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	3	0.13
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	3	0.13
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	17	0.13
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	17	0.13
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	17	0.13
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	8	0.13
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	8	0.13
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	8	0.13
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	9	0.13
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	9	0.13
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	9	0.13
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	19	0.13
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	19	0.13
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	19	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	6	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	6	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	7	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	7	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	7	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	8	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	8	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	8	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	9	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	9	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	9	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	12	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	12	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	12	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	20	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	20	0.13
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	20	0.13
(1,1722)	1:463:A:VAL:HG21	1:463:A:VAL:HB	1	0.13
(1,1722)	1:463:A:VAL:HG22	1:463:A:VAL:HB	1	0.13
(1,1722)	1:463:A:VAL:HG23	1:463:A:VAL:HB	1	0.13
(1,1722)	1:463:A:VAL:HG21	1:463:A:VAL:HB	4	0.13
(1,1722)	1:463:A:VAL:HG22	1:463:A:VAL:HB	4	0.13
(1,1722)	1:463:A:VAL:HG23	1:463:A:VAL:HB	4	0.13
(1,1722)	1:463:A:VAL:HG21	1:463:A:VAL:HB	6	0.13
(1,1722)	1:463:A:VAL:HG22	1:463:A:VAL:HB	6	0.13
(1,1722)	1:463:A:VAL:HG23	1:463:A:VAL:HB	6	0.13
(1,1722)	1:463:A:VAL:HG21	1:463:A:VAL:HB	8	0.13
(1,1722)	1:463:A:VAL:HG22	1:463:A:VAL:HB	8	0.13
(1,1722)	1:463:A:VAL:HG23	1:463:A:VAL:HB	8	0.13
(1,1722)	1:463:A:VAL:HG21	1:463:A:VAL:HB	10	0.13
(1,1722)	1:463:A:VAL:HG22	1:463:A:VAL:HB	10	0.13
(1,1722)	1:463:A:VAL:HG23	1:463:A:VAL:HB	10	0.13
(1,1722)	1:463:A:VAL:HG21	1:463:A:VAL:HB	12	0.13
(1,1722)	1:463:A:VAL:HG22	1:463:A:VAL:HB	12	0.13
(1,1722)	1:463:A:VAL:HG23	1:463:A:VAL:HB	12	0.13
(1,1722)	1:463:A:VAL:HG21	1:463:A:VAL:HB	14	0.13
(1,1722)	1:463:A:VAL:HG22	1:463:A:VAL:HB	14	0.13
(1,1722)	1:463:A:VAL:HG23	1:463:A:VAL:HB	14	0.13
(1,1722)	1:463:A:VAL:HG21	1:463:A:VAL:HB	15	0.13
(1,1722)	1:463:A:VAL:HG22	1:463:A:VAL:HB	15	0.13
(1,1722)	1:463:A:VAL:HG23	1:463:A:VAL:HB	15	0.13
(1,1722)	1:463:A:VAL:HG21	1:463:A:VAL:HB	18	0.13
(1,1722)	1:463:A:VAL:HG22	1:463:A:VAL:HB	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1722)	1:463:A:VAL:HG23	1:463:A:VAL:HB	18	0.13
(1,1722)	1:463:A:VAL:HG21	1:463:A:VAL:HB	19	0.13
(1,1722)	1:463:A:VAL:HG22	1:463:A:VAL:HB	19	0.13
(1,1722)	1:463:A:VAL:HG23	1:463:A:VAL:HB	19	0.13
(1,1722)	1:463:A:VAL:HG21	1:463:A:VAL:HB	20	0.13
(1,1722)	1:463:A:VAL:HG22	1:463:A:VAL:HB	20	0.13
(1,1722)	1:463:A:VAL:HG23	1:463:A:VAL:HB	20	0.13
(1,1713)	1:420:A:ILE:HG21	1:421:A:HIS:H	7	0.13
(1,1713)	1:420:A:ILE:HG22	1:421:A:HIS:H	7	0.13
(1,1713)	1:420:A:ILE:HG23	1:421:A:HIS:H	7	0.13
(1,1713)	1:420:A:ILE:HG21	1:421:A:HIS:H	9	0.13
(1,1713)	1:420:A:ILE:HG22	1:421:A:HIS:H	9	0.13
(1,1713)	1:420:A:ILE:HG23	1:421:A:HIS:H	9	0.13
(1,1713)	1:420:A:ILE:HG21	1:421:A:HIS:H	15	0.13
(1,1713)	1:420:A:ILE:HG22	1:421:A:HIS:H	15	0.13
(1,1713)	1:420:A:ILE:HG23	1:421:A:HIS:H	15	0.13
(1,1689)	1:411:A:MET:HE1	1:453:A:LEU:HG	2	0.13
(1,1689)	1:411:A:MET:HE2	1:453:A:LEU:HG	2	0.13
(1,1689)	1:411:A:MET:HE3	1:453:A:LEU:HG	2	0.13
(1,1689)	1:411:A:MET:HE1	1:453:A:LEU:HG	5	0.13
(1,1689)	1:411:A:MET:HE2	1:453:A:LEU:HG	5	0.13
(1,1689)	1:411:A:MET:HE3	1:453:A:LEU:HG	5	0.13
(1,1634)	1:391:A:ALA:HB1	1:391:A:ALA:H	8	0.13
(1,1634)	1:391:A:ALA:HB2	1:391:A:ALA:H	8	0.13
(1,1634)	1:391:A:ALA:HB3	1:391:A:ALA:H	8	0.13
(1,1634)	1:391:A:ALA:HB1	1:391:A:ALA:H	12	0.13
(1,1634)	1:391:A:ALA:HB2	1:391:A:ALA:H	12	0.13
(1,1634)	1:391:A:ALA:HB3	1:391:A:ALA:H	12	0.13
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	4	0.13
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	4	0.13
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	4	0.13
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	8	0.13
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	8	0.13
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	8	0.13
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	9	0.13
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	9	0.13
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	9	0.13
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	11	0.13
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	11	0.13
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	11	0.13
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	15	0.13
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	15	0.13
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	16	0.13
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	16	0.13
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	16	0.13
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	18	0.13
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	18	0.13
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	18	0.13
(1,1626)	1:339:A:HIS:HB2	1:339:A:HIS:HA	4	0.13
(1,1626)	1:339:A:HIS:HB2	1:339:A:HIS:HA	14	0.13
(1,1626)	1:339:A:HIS:HB2	1:339:A:HIS:HA	20	0.13
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	6	0.13
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	6	0.13
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	6	0.13
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	18	0.13
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	18	0.13
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	18	0.13
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	1	0.13
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	4	0.13
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	19	0.13
(1,1515)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	16	0.13
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	3	0.13
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	5	0.13
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	6	0.13
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	7	0.13
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	11	0.13
(1,1495)	1:379:A:ALA:HB1	1:466:A:PHE:HB3	2	0.13
(1,1495)	1:379:A:ALA:HB2	1:466:A:PHE:HB3	2	0.13
(1,1495)	1:379:A:ALA:HB3	1:466:A:PHE:HB3	2	0.13
(1,1495)	1:379:A:ALA:HB1	1:466:A:PHE:HB3	15	0.13
(1,1495)	1:379:A:ALA:HB2	1:466:A:PHE:HB3	15	0.13
(1,1495)	1:379:A:ALA:HB3	1:466:A:PHE:HB3	15	0.13
(1,1488)	1:372:A:LYS:HB3	1:373:A:PRO:HD2	7	0.13
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	2	0.13
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	5	0.13
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	6	0.13
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	7	0.13
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	2	0.13
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	6	0.13
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	7	0.13
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	16	0.13
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	16	0.13
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	6	0.13
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	20	0.13
(1,1379)	1:361:A:LYS:HD2	1:361:A:LYS:H	17	0.13
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	1	0.13
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	5	0.13
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	12	0.13
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	14	0.13
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	18	0.13
(1,1355)	1:396:A:THR:HG21	1:400:A:GLY:HA2	4	0.13
(1,1355)	1:396:A:THR:HG22	1:400:A:GLY:HA2	4	0.13
(1,1355)	1:396:A:THR:HG23	1:400:A:GLY:HA2	4	0.13
(1,1355)	1:396:A:THR:HG21	1:400:A:GLY:HA2	6	0.13
(1,1355)	1:396:A:THR:HG22	1:400:A:GLY:HA2	6	0.13
(1,1355)	1:396:A:THR:HG23	1:400:A:GLY:HA2	6	0.13
(1,1355)	1:396:A:THR:HG21	1:400:A:GLY:HA2	20	0.13
(1,1355)	1:396:A:THR:HG22	1:400:A:GLY:HA2	20	0.13
(1,1355)	1:396:A:THR:HG23	1:400:A:GLY:HA2	20	0.13
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	2	0.13
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	5	0.13
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	8	0.13
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	11	0.13
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	19	0.13
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	2	0.13
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	13	0.13
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	14	0.13
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	17	0.13
(1,1311)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	10	0.13
(1,1311)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	20	0.13
(1,1297)	1:401:A:THR:HA	1:402:A:PRO:HD3	17	0.13
(1,1284)	1:406:A:PRO:HG3	1:405:A:SER:HA	7	0.13
(1,1274)	1:446:A:PRO:HA	1:446:A:PRO:HG3	4	0.13
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	5	0.13
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	4	0.13
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	8	0.13
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	9	0.13
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	20	0.13
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	9	0.13
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	15	0.13
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	16	0.13
(1,1172)	1:387:A:LYS:HD2	1:387:A:LYS:HE3	8	0.13
(1,1172)	1:387:A:LYS:HD2	1:387:A:LYS:HE3	9	0.13
(1,1172)	1:387:A:LYS:HD2	1:387:A:LYS:HE3	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1172)	1:387:A:LYS:HD2	1:387:A:LYS:HE3	19	0.13
(1,1172)	1:387:A:LYS:HD2	1:387:A:LYS:HE3	20	0.13
(1,1162)	1:390:A:ASP:HB2	1:390:A:ASP:HA	9	0.13
(1,1162)	1:390:A:ASP:HB2	1:390:A:ASP:HA	13	0.13
(1,1162)	1:390:A:ASP:HB2	1:390:A:ASP:HA	18	0.13
(1,1162)	1:390:A:ASP:HB2	1:390:A:ASP:HA	19	0.13
(1,1161)	1:429:A:TYR:HB2	1:429:A:TYR:H	16	0.13
(1,1161)	1:429:A:TYR:HB2	1:429:A:TYR:H	17	0.13
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	1	0.13
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	1	0.13
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	1	0.13
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	3	0.13
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	3	0.13
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	3	0.13
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	12	0.13
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	12	0.13
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	12	0.13
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	14	0.13
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	14	0.13
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	14	0.13
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	16	0.13
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	16	0.13
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	16	0.13
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	20	0.13
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	20	0.13
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	20	0.13
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	2	0.13
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	2	0.13
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	2	0.13
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	7	0.13
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	7	0.13
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	7	0.13
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	15	0.13
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	15	0.13
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	15	0.13
(1,1070)	1:459:A:LYS:HG2	1:460:A:GLY:H	3	0.13
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	2	0.13
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	6	0.13
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	7	0.13
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	12	0.13
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	14	0.13
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	20	0.13
(1,1026)	1:358:A:LYS:HB3	1:358:A:LYS:HG2	2	0.13
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	12	0.13
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	4	0.13
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	4	0.13
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	4	0.13
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	4	0.13
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	4	0.13
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	4	0.13
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	4	0.13
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	4	0.13
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	4	0.13
(1,910)	1:340:A:MET:HB3	1:340:A:MET:HG2	7	0.13
(1,897)	1:434:A:TRP:HA	1:435:A:LYS:HA	8	0.13
(1,897)	1:434:A:TRP:HA	1:435:A:LYS:HA	18	0.13
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	2	0.13
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	1	0.13
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	1	0.13
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	1	0.13
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	9	0.13
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	9	0.13
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	9	0.13
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	12	0.13
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	12	0.13
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	12	0.13
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	13	0.13
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	13	0.13
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	13	0.13
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	14	0.13
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	14	0.13
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	14	0.13
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	2	0.13
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	2	0.13
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	2	0.13
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	2	0.13
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	2	0.13
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	2	0.13
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	2	0.13
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	2	0.13
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	2	0.13
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	8	0.13
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	8	0.13
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	8	0.13
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	8	0.13
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	8	0.13
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	8	0.13
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	8	0.13
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	8	0.13
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	20	0.13
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	20	0.13
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	20	0.13
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	20	0.13
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	20	0.13
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	20	0.13
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	20	0.13
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	20	0.13
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	20	0.13
(1,776)	1:358:A:LYS:HA	1:358:A:LYS:HE2	12	0.13
(1,730)	1:404:A:GLU:HA	1:404:A:GLU:HG3	2	0.13
(1,730)	1:404:A:GLU:HA	1:404:A:GLU:HG3	5	0.13
(1,730)	1:404:A:GLU:HA	1:404:A:GLU:HG3	17	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	10	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	10	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	10	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	11	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	11	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	11	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	13	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	13	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	13	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	14	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	14	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	14	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	19	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	19	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	19	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	20	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	20	0.13
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	20	0.13
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	1	0.13
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	4	0.13
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	5	0.13
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	14	0.13
(1,667)	1:408:A:ASN:HA	1:408:A:ASN:H	5	0.13
(1,659)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	8	0.13
(1,651)	1:445:A:THR:HB	1:446:A:PRO:HA	13	0.13
(1,649)	1:427:A:PRO:HA	1:428:A:GLU:HB2	13	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	1	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	2	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	3	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	4	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	5	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	6	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	7	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	8	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	9	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	10	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	11	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	12	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	13	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	14	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	15	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	16	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	17	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	18	0.13
(1,600)	1:435:A:LYS:HG2	1:435:A:LYS:HB2	19	0.13
(1,554)	1:411:A:MET:HE1	1:453:A:LEU:HD21	6	0.13
(1,554)	1:411:A:MET:HE1	1:453:A:LEU:HD22	6	0.13
(1,554)	1:411:A:MET:HE1	1:453:A:LEU:HD23	6	0.13
(1,554)	1:411:A:MET:HE2	1:453:A:LEU:HD21	6	0.13
(1,554)	1:411:A:MET:HE2	1:453:A:LEU:HD22	6	0.13
(1,554)	1:411:A:MET:HE2	1:453:A:LEU:HD23	6	0.13
(1,554)	1:411:A:MET:HE3	1:453:A:LEU:HD21	6	0.13
(1,554)	1:411:A:MET:HE3	1:453:A:LEU:HD22	6	0.13
(1,554)	1:411:A:MET:HE3	1:453:A:LEU:HD23	6	0.13
(1,549)	1:394:A:LYS:HG2	1:394:A:LYS:HA	1	0.13
(1,549)	1:394:A:LYS:HG2	1:394:A:LYS:HA	8	0.13
(1,458)	1:435:A:LYS:HB3	1:435:A:LYS:HD2	11	0.13
(1,445)	1:398:A:ASP:HB3	1:398:A:ASP:HA	2	0.13
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	6	0.13
(1,409)	1:440:A:HIS:HB3	1:440:A:HIS:H	3	0.13
(1,409)	1:440:A:HIS:HB3	1:440:A:HIS:H	9	0.13
(1,395)	1:388:A:GLU:HA	1:388:A:GLU:HG3	6	0.13
(1,395)	1:388:A:GLU:HA	1:388:A:GLU:HG3	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	2	0.13
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	2	0.13
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	2	0.13
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	5	0.13
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	5	0.13
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	5	0.13
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	8	0.13
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	8	0.13
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	8	0.13
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	9	0.13
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	9	0.13
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	9	0.13
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	11	0.13
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	11	0.13
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	11	0.13
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	12	0.13
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	12	0.13
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	12	0.13
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	16	0.13
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	16	0.13
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	16	0.13
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	18	0.13
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	18	0.13
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	18	0.13
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	19	0.13
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	19	0.13
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	19	0.13
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	20	0.13
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	20	0.13
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	20	0.13
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	1	0.13
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	1	0.13
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	1	0.13
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	4	0.13
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	7	0.13
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	15	0.13
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	1	0.13
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	7	0.13
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	8	0.13
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	2	0.13
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	3	0.13
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	7	0.13
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	8	0.13
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	11	0.13
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	14	0.13
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	16	0.13
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	17	0.13
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	6	0.13
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	6	0.13
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	6	0.13
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	10	0.13
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	10	0.13
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	10	0.13
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	14	0.13
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	14	0.13
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	14	0.13
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	16	0.13
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	16	0.13
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	16	0.13
(1,310)	1:428:A:GLU:HB2	1:428:A:GLU:HA	3	0.13
(1,310)	1:428:A:GLU:HB2	1:428:A:GLU:HA	9	0.13
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	4	0.13
(1,267)	1:340:A:MET:HA	1:340:A:MET:HG3	7	0.13
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	13	0.13
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	13	0.13
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	13	0.13
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	13	0.13
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	13	0.13
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	13	0.13
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	13	0.13
(1,181)	1:451:A:LYS:HE3	1:451:A:LYS:HB3	12	0.13
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	1	0.13
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	4	0.13
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	20	0.13
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	4	0.13
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	4	0.13
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	4	0.13
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	12	0.13
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	12	0.13
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	12	0.13
(1,174)	1:396:A:THR:HG21	1:400:A:GLY:H	15	0.13
(1,174)	1:396:A:THR:HG22	1:400:A:GLY:H	15	0.13
(1,174)	1:396:A:THR:HG23	1:400:A:GLY:H	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	2	0.13
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	2	0.13
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	2	0.13
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	5	0.13
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	5	0.13
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	5	0.13
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	16	0.13
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	16	0.13
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	16	0.13
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	20	0.13
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	20	0.13
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	20	0.13
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	3	0.13
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	8	0.13
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	12	0.13
(1,135)	1:462:A:PRO:HB2	1:462:A:PRO:HA	8	0.13
(1,111)	1:423:A:SER:HA	1:425:A:TRP:H	16	0.13
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	8	0.13
(1,7)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	3	0.13
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	7	0.12
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	14	0.12
(1,4977)	1:450:A:MET:H	1:450:A:MET:HB3	16	0.12
(1,4976)	1:408:A:ASN:HD22	1:407:A:VAL:HA	12	0.12
(1,4959)	1:390:A:ASP:H	1:391:A:ALA:H	10	0.12
(1,4954)	1:456:A:MET:H	1:455:A:GLY:H	8	0.12
(1,4945)	1:441:A:GLY:H	1:372:A:LYS:H	4	0.12
(1,4945)	1:441:A:GLY:H	1:372:A:LYS:H	16	0.12
(1,4945)	1:441:A:GLY:H	1:372:A:LYS:H	18	0.12
(1,4873)	1:403:A:TYR:H	1:396:A:THR:H	8	0.12
(1,4857)	1:438:A:GLY:H	1:372:A:LYS:HB3	2	0.12
(1,4857)	1:438:A:GLY:H	1:372:A:LYS:HB3	17	0.12
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	3	0.12
(1,4809)	1:448:A:SER:H	1:448:A:SER:HB2	14	0.12
(1,4803)	1:396:A:THR:H	1:395:A:GLY:H	12	0.12
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	13	0.12
(1,4788)	1:361:A:LYS:H	1:360:A:GLY:H	16	0.12
(1,4729)	1:407:A:VAL:H	1:406:A:PRO:HB2	1	0.12
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	20	0.12
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	20	0.12
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	20	0.12
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	5	0.12
(1,4705)	1:425:A:TRP:H	1:425:A:TRP:HE3	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4703)	1:442:A:CYS:H	1:441:A:GLY:HA2	2	0.12
(1,4703)	1:442:A:CYS:H	1:441:A:GLY:HA2	8	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD11	2	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD12	2	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD13	2	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD11	5	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD12	5	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD13	5	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD11	8	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD12	8	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD13	8	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD11	9	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD12	9	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD13	9	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD11	10	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD12	10	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD13	10	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD11	11	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD12	11	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD13	11	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD11	12	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD12	12	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD13	12	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD11	13	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD12	13	0.12
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD13	13	0.12
(1,4621)	1:400:A:GLY:H	1:399:A:ASP:H	2	0.12
(1,4595)	1:399:A:ASP:H	1:400:A:GLY:H	10	0.12
(1,4571)	1:389:A:GLU:H	1:389:A:GLU:HB2	8	0.12
(1,4571)	1:389:A:GLU:H	1:389:A:GLU:HB2	9	0.12
(1,4561)	1:343:A:THR:H	1:343:A:THR:HA	12	0.12
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	1	0.12
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	7	0.12
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	8	0.12
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	11	0.12
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	16	0.12
(1,4527)	1:441:A:GLY:H	1:439:A:SER:H	3	0.12
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	2	0.12
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	6	0.12
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	9	0.12
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	10	0.12
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	13	0.12
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	14	0.12
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	15	0.12
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	16	0.12
(1,4472)	1:448:A:SER:H	1:446:A:PRO:HB2	5	0.12
(1,4472)	1:448:A:SER:H	1:446:A:PRO:HB2	9	0.12
(1,4472)	1:448:A:SER:H	1:446:A:PRO:HB2	17	0.12
(1,4472)	1:448:A:SER:H	1:446:A:PRO:HB2	20	0.12
(1,4442)	1:382:A:PHE:H	1:463:A:VAL:H	12	0.12
(1,4435)	1:459:A:LYS:H	1:384:A:VAL:HG21	3	0.12
(1,4435)	1:459:A:LYS:H	1:384:A:VAL:HG22	3	0.12
(1,4435)	1:459:A:LYS:H	1:384:A:VAL:HG23	3	0.12
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD21	9	0.12
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD22	9	0.12
(1,4434)	1:433:A:LEU:H	1:433:A:LEU:HD23	9	0.12
(1,4427)	1:466:A:PHE:H	1:349:A:LEU:H	11	0.12
(1,4427)	1:466:A:PHE:H	1:349:A:LEU:H	13	0.12
(1,4427)	1:466:A:PHE:H	1:349:A:LEU:H	17	0.12
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG11	5	0.12
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG12	5	0.12
(1,4417)	1:408:A:ASN:H	1:407:A:VAL:HG13	5	0.12
(1,4404)	1:417:A:GLY:H	1:417:A:GLY:HA2	3	0.12
(1,4404)	1:417:A:GLY:H	1:417:A:GLY:HA2	16	0.12
(1,4391)	1:399:A:ASP:H	1:400:A:GLY:HA2	3	0.12
(1,4390)	1:396:A:THR:H	1:395:A:GLY:HA3	4	0.12
(1,4390)	1:396:A:THR:H	1:395:A:GLY:HA3	14	0.12
(1,4390)	1:396:A:THR:H	1:395:A:GLY:HA3	18	0.12
(1,4389)	1:463:A:VAL:H	1:382:A:PHE:H	11	0.12
(1,4389)	1:463:A:VAL:H	1:382:A:PHE:H	20	0.12
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	12	0.12
(1,4364)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	5	0.12
(1,4364)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	16	0.12
(1,4349)	1:419:A:GLY:H	1:442:A:CYS:HA	14	0.12
(1,4348)	1:350:A:GLU:H	1:349:A:LEU:HG	6	0.12
(1,4348)	1:350:A:GLU:H	1:349:A:LEU:HG	8	0.12
(1,4348)	1:350:A:GLU:H	1:349:A:LEU:HG	14	0.12
(1,4329)	1:393:A:LEU:H	1:404:A:GLU:HG2	10	0.12
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	3	0.12
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG21	6	0.12
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG22	6	0.12
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG23	6	0.12
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG21	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG22	18	0.12
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG23	18	0.12
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	4	0.12
(1,4283)	1:374:A:THR:H	1:375:A:THR:H	12	0.12
(1,4274)	1:408:A:ASN:HD21	1:408:A:ASN:HD22	5	0.12
(1,4274)	1:408:A:ASN:HD21	1:408:A:ASN:HD22	16	0.12
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG11	12	0.12
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG12	12	0.12
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG13	12	0.12
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	10	0.12
(1,4257)	1:352:A:GLN:H	1:352:A:GLN:HA	20	0.12
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	9	0.12
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	11	0.12
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	12	0.12
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	14	0.12
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD21	10	0.12
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD22	10	0.12
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD23	10	0.12
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD21	12	0.12
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD22	12	0.12
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD23	12	0.12
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	9	0.12
(1,4193)	1:354:A:MET:H	1:354:A:MET:HB3	10	0.12
(1,4160)	1:433:A:LEU:H	1:432:A:ASP:H	6	0.12
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG11	17	0.12
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG12	17	0.12
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG13	17	0.12
(1,4146)	1:410:A:TRP:HE1	1:410:A:TRP:HB2	1	0.12
(1,4146)	1:410:A:TRP:HE1	1:410:A:TRP:HB2	3	0.12
(1,4146)	1:410:A:TRP:HE1	1:410:A:TRP:HB2	4	0.12
(1,4146)	1:410:A:TRP:HE1	1:410:A:TRP:HB2	9	0.12
(1,4146)	1:410:A:TRP:HE1	1:410:A:TRP:HB2	13	0.12
(1,4146)	1:410:A:TRP:HE1	1:410:A:TRP:HB2	14	0.12
(1,4146)	1:410:A:TRP:HE1	1:410:A:TRP:HB2	16	0.12
(1,4146)	1:410:A:TRP:HE1	1:410:A:TRP:HB2	19	0.12
(1,4146)	1:410:A:TRP:HE1	1:410:A:TRP:HB2	20	0.12
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	1	0.12
(1,4129)	1:404:A:GLU:H	1:403:A:TYR:HB2	2	0.12
(1,4124)	1:443:A:ILE:H	1:443:A:ILE:HD11	20	0.12
(1,4124)	1:443:A:ILE:H	1:443:A:ILE:HD12	20	0.12
(1,4124)	1:443:A:ILE:H	1:443:A:ILE:HD13	20	0.12
(1,4115)	1:432:A:ASP:H	1:434:A:TRP:H	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4115)	1:432:A:ASP:H	1:434:A:TRP:H	9	0.12
(1,4115)	1:432:A:ASP:H	1:434:A:TRP:H	13	0.12
(1,4115)	1:432:A:ASP:H	1:434:A:TRP:H	17	0.12
(1,4115)	1:432:A:ASP:H	1:434:A:TRP:H	19	0.12
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	1	0.12
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	8	0.12
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	9	0.12
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	15	0.12
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	17	0.12
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	18	0.12
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	19	0.12
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	20	0.12
(1,4096)	1:445:A:THR:H	1:445:A:THR:HB	1	0.12
(1,4096)	1:445:A:THR:H	1:445:A:THR:HB	2	0.12
(1,4096)	1:445:A:THR:H	1:445:A:THR:HB	3	0.12
(1,4096)	1:445:A:THR:H	1:445:A:THR:HB	8	0.12
(1,4096)	1:445:A:THR:H	1:445:A:THR:HB	12	0.12
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	8	0.12
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	12	0.12
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	14	0.12
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	17	0.12
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	19	0.12
(1,4060)	1:432:A:ASP:H	1:433:A:LEU:H	6	0.12
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	1	0.12
(1,4028)	1:403:A:TYR:H	1:402:A:PRO:HB2	17	0.12
(1,4015)	1:395:A:GLY:H	1:396:A:THR:H	12	0.12
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD11	2	0.12
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD12	2	0.12
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD13	2	0.12
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD11	4	0.12
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD12	4	0.12
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD13	4	0.12
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD11	9	0.12
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD12	9	0.12
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD13	9	0.12
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD11	17	0.12
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD12	17	0.12
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD13	17	0.12
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD11	20	0.12
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD12	20	0.12
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD13	20	0.12
(1,3967)	1:356:A:TYR:H	1:355:A:TRP:HA	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3967)	1:356:A:TYR:H	1:355:A:TRP:HA	6	0.12
(1,3960)	1:351:A:ASN:H	1:350:A:GLU:HB2	14	0.12
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB1	9	0.12
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB2	9	0.12
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB3	9	0.12
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB1	20	0.12
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB2	20	0.12
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB3	20	0.12
(1,3930)	1:424:A:ASP:H	1:447:A:PRO:HA	11	0.12
(1,3904)	1:344:A:TYR:HD1	1:344:A:TYR:HB2	18	0.12
(1,3904)	1:344:A:TYR:HD2	1:344:A:TYR:HB2	18	0.12
(1,3898)	1:466:A:PHE:HE1	1:346:A:GLU:HB3	2	0.12
(1,3898)	1:466:A:PHE:HE2	1:346:A:GLU:HB3	2	0.12
(1,3869)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	13	0.12
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	2	0.12
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	8	0.12
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	18	0.12
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	7	0.12
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	7	0.12
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	7	0.12
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	7	0.12
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	7	0.12
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	7	0.12
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	14	0.12
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	14	0.12
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	14	0.12
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	14	0.12
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	14	0.12
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	14	0.12
(1,3819)	1:425:A:TRP:HE3	1:425:A:TRP:HA	10	0.12
(1,3819)	1:425:A:TRP:HE3	1:425:A:TRP:HA	13	0.12
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	2	0.12
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	2	0.12
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	2	0.12
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	13	0.12
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	13	0.12
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	13	0.12
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG21	17	0.12
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG22	17	0.12
(1,3817)	1:355:A:TRP:HD1	1:362:A:VAL:HG23	17	0.12
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	2	0.12
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	2	0.12
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	2	0.12
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	2	0.12
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	2	0.12
(1,3776)	1:383:A:TYR:HD1	1:462:A:PRO:HG3	9	0.12
(1,3776)	1:383:A:TYR:HD2	1:462:A:PRO:HG3	9	0.12
(1,3776)	1:383:A:TYR:HD1	1:462:A:PRO:HG3	13	0.12
(1,3776)	1:383:A:TYR:HD2	1:462:A:PRO:HG3	13	0.12
(1,3758)	1:454:A:PHE:HD1	1:454:A:PHE:HB2	3	0.12
(1,3758)	1:454:A:PHE:HD2	1:454:A:PHE:HB2	3	0.12
(1,3740)	1:425:A:TRP:HZ2	1:423:A:SER:HB3	1	0.12
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	1	0.12
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	2	0.12
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	6	0.12
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	11	0.12
(1,3718)	1:425:A:TRP:HD1	1:425:A:TRP:HB3	19	0.12
(1,3706)	1:355:A:TRP:HH2	1:348:A:ASP:HB2	1	0.12
(1,3706)	1:355:A:TRP:HH2	1:348:A:ASP:HB2	8	0.12
(1,3687)	1:425:A:TRP:HE3	1:424:A:ASP:HB2	6	0.12
(1,3684)	1:466:A:PHE:HE1	1:466:A:PHE:HB3	12	0.12
(1,3684)	1:466:A:PHE:HE2	1:466:A:PHE:HB3	12	0.12
(1,3681)	1:429:A:TYR:HD1	1:429:A:TYR:HB2	4	0.12
(1,3681)	1:429:A:TYR:HD2	1:429:A:TYR:HB2	4	0.12
(1,3681)	1:429:A:TYR:HD1	1:429:A:TYR:HB2	14	0.12
(1,3681)	1:429:A:TYR:HD2	1:429:A:TYR:HB2	14	0.12
(1,3681)	1:429:A:TYR:HD1	1:429:A:TYR:HB2	16	0.12
(1,3681)	1:429:A:TYR:HD2	1:429:A:TYR:HB2	16	0.12
(1,3681)	1:429:A:TYR:HD1	1:429:A:TYR:HB2	19	0.12
(1,3681)	1:429:A:TYR:HD2	1:429:A:TYR:HB2	19	0.12
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	6	0.12
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	3	0.12
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	3	0.12
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	5	0.12
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	5	0.12
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	6	0.12
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	6	0.12
(1,3586)	1:466:A:PHE:HE1	1:348:A:ASP:HB2	8	0.12
(1,3586)	1:466:A:PHE:HE2	1:348:A:ASP:HB2	8	0.12
(1,3577)	1:403:A:TYR:HD1	1:395:A:GLY:HA2	9	0.12
(1,3577)	1:403:A:TYR:HD2	1:395:A:GLY:HA2	9	0.12
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	5	0.12
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3558)	1:410:A:TRP:HD1	1:388:A:GLU:HA	3	0.12
(1,3558)	1:410:A:TRP:HD1	1:388:A:GLU:HA	7	0.12
(1,3558)	1:410:A:TRP:HD1	1:388:A:GLU:HA	15	0.12
(1,3547)	1:382:A:PHE:HD1	1:382:A:PHE:HB3	2	0.12
(1,3547)	1:382:A:PHE:HD2	1:382:A:PHE:HB3	2	0.12
(1,3525)	1:355:A:TRP:HE3	1:354:A:MET:HA	6	0.12
(1,3525)	1:355:A:TRP:HE3	1:354:A:MET:HA	18	0.12
(1,3525)	1:355:A:TRP:HE3	1:354:A:MET:HA	20	0.12
(1,3513)	1:394:A:LYS:HB3	1:394:A:LYS:HE3	20	0.12
(1,3488)	1:342:A:ASP:HB3	1:343:A:THR:HB	5	0.12
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	4	0.12
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	3	0.12
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	3	0.12
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	3	0.12
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	13	0.12
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	13	0.12
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	13	0.12
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	16	0.12
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	16	0.12
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	16	0.12
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	19	0.12
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	19	0.12
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	19	0.12
(1,3464)	1:437:A:ARG:HD2	1:437:A:ARG:HG2	3	0.12
(1,3464)	1:437:A:ARG:HD2	1:437:A:ARG:HG2	5	0.12
(1,3464)	1:437:A:ARG:HD2	1:437:A:ARG:HG2	15	0.12
(1,3464)	1:437:A:ARG:HD2	1:437:A:ARG:HG2	19	0.12
(1,3453)	1:428:A:GLU:HA	1:429:A:TYR:HB2	12	0.12
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	18	0.12
(1,3370)	1:446:A:PRO:HA	1:447:A:PRO:HD2	9	0.12
(1,3351)	1:340:A:MET:HB3	1:340:A:MET:HA	16	0.12
(1,3341)	1:372:A:LYS:HG3	1:372:A:LYS:HE3	14	0.12
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	6	0.12
(1,3334)	1:446:A:PRO:HB3	1:447:A:PRO:HD3	18	0.12
(1,3317)	1:416:A:THR:HB	1:416:A:THR:H	5	0.12
(1,3317)	1:416:A:THR:HB	1:416:A:THR:H	18	0.12
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	6	0.12
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	6	0.12
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	6	0.12
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	6	0.12
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	6	0.12
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	6	0.12
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	6	0.12
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	6	0.12
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	10	0.12
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	10	0.12
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	10	0.12
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	10	0.12
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	10	0.12
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	10	0.12
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	10	0.12
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	10	0.12
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	10	0.12
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	15	0.12
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	15	0.12
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	15	0.12
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	15	0.12
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	15	0.12
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	15	0.12
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	15	0.12
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	15	0.12
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	15	0.12
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	17	0.12
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	17	0.12
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	17	0.12
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	17	0.12
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	17	0.12
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	17	0.12
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	17	0.12
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	17	0.12
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	17	0.12
(1,3201)	1:421:A:HIS:HA	1:422:A:ASP:HB2	9	0.12
(1,3201)	1:421:A:HIS:HA	1:422:A:ASP:HB2	13	0.12
(1,3201)	1:421:A:HIS:HA	1:422:A:ASP:HB2	14	0.12
(1,3190)	1:414:A:ASP:HA	1:413:A:ILE:HA	9	0.12
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	1	0.12
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	1	0.12
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	1	0.12
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	14	0.12
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	14	0.12
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	14	0.12
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	20	0.12
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	20	0.12
(1,3104)	1:463:A:VAL:HG11	1:463:A:VAL:H	7	0.12
(1,3104)	1:463:A:VAL:HG12	1:463:A:VAL:H	7	0.12
(1,3104)	1:463:A:VAL:HG13	1:463:A:VAL:H	7	0.12
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	3	0.12
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	6	0.12
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	7	0.12
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	9	0.12
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	10	0.12
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	11	0.12
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	14	0.12
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	15	0.12
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	18	0.12
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	20	0.12
(1,3085)	1:399:A:ASP:HA	1:399:A:ASP:HB3	4	0.12
(1,3085)	1:399:A:ASP:HA	1:399:A:ASP:HB3	12	0.12
(1,3085)	1:399:A:ASP:HA	1:399:A:ASP:HB3	18	0.12
(1,3082)	1:408:A:ASN:HB3	1:407:A:VAL:HA	6	0.12
(1,3082)	1:408:A:ASN:HB3	1:407:A:VAL:HA	11	0.12
(1,3075)	1:450:A:MET:HG2	1:450:A:MET:HA	5	0.12
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD11	5	0.12
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD12	5	0.12
(1,3067)	1:345:A:ILE:HG21	1:345:A:ILE:HD13	5	0.12
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD11	5	0.12
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD12	5	0.12
(1,3067)	1:345:A:ILE:HG22	1:345:A:ILE:HD13	5	0.12
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD11	5	0.12
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD12	5	0.12
(1,3067)	1:345:A:ILE:HG23	1:345:A:ILE:HD13	5	0.12
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	2	0.12
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	9	0.12
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	11	0.12
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	16	0.12
(1,2887)	1:352:A:GLN:HB3	1:351:A:ASN:HA	11	0.12
(1,2887)	1:352:A:GLN:HB3	1:351:A:ASN:HA	13	0.12
(1,2875)	1:390:A:ASP:HA	1:390:A:ASP:HB2	3	0.12
(1,2875)	1:390:A:ASP:HA	1:390:A:ASP:HB2	7	0.12
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD11	9	0.12
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD12	9	0.12
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD13	9	0.12
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	3	0.12
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	6	0.12
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	13	0.12
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	14	0.12
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	18	0.12
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	20	0.12
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	3	0.12
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	3	0.12
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	3	0.12
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	4	0.12
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	4	0.12
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	4	0.12
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	13	0.12
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	13	0.12
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	13	0.12
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	1	0.12
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	3	0.12
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	5	0.12
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	9	0.12
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	10	0.12
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	11	0.12
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	12	0.12
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	13	0.12
(1,2779)	1:361:A:LYS:HG2	1:361:A:LYS:HE3	6	0.12
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	12	0.12
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	16	0.12
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	20	0.12
(1,2748)	1:394:A:LYS:HG2	1:395:A:GLY:H	1	0.12
(1,2747)	1:341:A:GLU:HG3	1:341:A:GLU:HA	5	0.12
(1,2747)	1:341:A:GLU:HG3	1:341:A:GLU:HA	8	0.12
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	8	0.12
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	3	0.12
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	3	0.12
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	3	0.12
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	5	0.12
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	5	0.12
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	5	0.12
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	14	0.12
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	14	0.12
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	14	0.12
(1,2613)	1:361:A:LYS:HD2	1:361:A:LYS:HE3	14	0.12
(1,2613)	1:361:A:LYS:HD2	1:361:A:LYS:HE3	19	0.12
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	3	0.12
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	4	0.12
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	8	0.12
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	13	0.12
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	17	0.12
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	18	0.12
(1,2565)	1:340:A:MET:HE1	1:340:A:MET:HG3	17	0.12
(1,2565)	1:340:A:MET:HE2	1:340:A:MET:HG3	17	0.12
(1,2565)	1:340:A:MET:HE3	1:340:A:MET:HG3	17	0.12
(1,2544)	1:389:A:GLU:HB3	1:390:A:ASP:H	20	0.12
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	4	0.12
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	4	0.12
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	4	0.12
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	5	0.12
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	5	0.12
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	5	0.12
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	7	0.12
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	7	0.12
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	7	0.12
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	8	0.12
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	8	0.12
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	8	0.12
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	10	0.12
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	10	0.12
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	10	0.12
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	11	0.12
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	11	0.12
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	11	0.12
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	13	0.12
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	13	0.12
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	13	0.12
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	14	0.12
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	14	0.12
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	14	0.12
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	15	0.12
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	15	0.12
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	15	0.12
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	16	0.12
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	16	0.12
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	16	0.12
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	18	0.12
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	18	0.12
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	19	0.12
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	19	0.12
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	19	0.12
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	20	0.12
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	20	0.12
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	20	0.12
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	13	0.12
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	14	0.12
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	16	0.12
(1,2488)	1:350:A:GLU:HG2	1:350:A:GLU:HA	5	0.12
(1,2488)	1:350:A:GLU:HG2	1:350:A:GLU:HA	13	0.12
(1,2462)	1:350:A:GLU:HB3	1:351:A:ASN:H	7	0.12
(1,2385)	1:363:A:ALA:HB1	1:456:A:MET:HE1	12	0.12
(1,2385)	1:363:A:ALA:HB1	1:456:A:MET:HE2	12	0.12
(1,2385)	1:363:A:ALA:HB1	1:456:A:MET:HE3	12	0.12
(1,2385)	1:363:A:ALA:HB2	1:456:A:MET:HE1	12	0.12
(1,2385)	1:363:A:ALA:HB2	1:456:A:MET:HE2	12	0.12
(1,2385)	1:363:A:ALA:HB2	1:456:A:MET:HE3	12	0.12
(1,2385)	1:363:A:ALA:HB3	1:456:A:MET:HE1	12	0.12
(1,2385)	1:363:A:ALA:HB3	1:456:A:MET:HE2	12	0.12
(1,2385)	1:363:A:ALA:HB3	1:456:A:MET:HE3	12	0.12
(1,2384)	1:452:A:GLU:HB2	1:453:A:LEU:HA	1	0.12
(1,2384)	1:452:A:GLU:HB2	1:453:A:LEU:HA	5	0.12
(1,2267)	1:437:A:ARG:HG2	1:437:A:ARG:H	7	0.12
(1,2266)	1:342:A:ASP:HA	1:342:A:ASP:H	11	0.12
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	1	0.12
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	4	0.12
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	6	0.12
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	7	0.12
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	9	0.12
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	12	0.12
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	13	0.12
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	14	0.12
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	20	0.12
(1,2163)	1:435:A:LYS:HG2	1:435:A:LYS:H	2	0.12
(1,2163)	1:435:A:LYS:HG2	1:435:A:LYS:H	4	0.12
(1,2163)	1:435:A:LYS:HG2	1:435:A:LYS:H	8	0.12
(1,2163)	1:435:A:LYS:HG2	1:435:A:LYS:H	10	0.12
(1,2163)	1:435:A:LYS:HG2	1:435:A:LYS:H	12	0.12
(1,2163)	1:435:A:LYS:HG2	1:435:A:LYS:H	17	0.12
(1,2127)	1:411:A:MET:HB3	1:411:A:MET:H	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2127)	1:411:A:MET:HB3	1:411:A:MET:H	9	0.12
(1,2127)	1:411:A:MET:HB3	1:411:A:MET:H	11	0.12
(1,2100)	1:451:A:LYS:HB3	1:451:A:LYS:H	8	0.12
(1,2100)	1:451:A:LYS:HB3	1:451:A:LYS:H	13	0.12
(1,1990)	1:463:A:VAL:HG21	1:463:A:VAL:H	16	0.12
(1,1990)	1:463:A:VAL:HG22	1:463:A:VAL:H	16	0.12
(1,1990)	1:463:A:VAL:HG23	1:463:A:VAL:H	16	0.12
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	9	0.12
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	10	0.12
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	14	0.12
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	16	0.12
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	3	0.12
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	5	0.12
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	7	0.12
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	10	0.12
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	12	0.12
(1,1901)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	10	0.12
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	9	0.12
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	15	0.12
(1,1876)	1:389:A:GLU:HB3	1:389:A:GLU:HG2	4	0.12
(1,1874)	1:382:A:PHE:HA	1:383:A:TYR:HA	1	0.12
(1,1866)	1:372:A:LYS:HB2	1:372:A:LYS:HD2	10	0.12
(1,1863)	1:387:A:LYS:HE3	1:387:A:LYS:HB2	3	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	4	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	4	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	4	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	5	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	5	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	5	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	7	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	7	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	7	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	8	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	8	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	8	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	10	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	10	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	10	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	11	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	11	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	11	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	13	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	13	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	14	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	14	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	14	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	15	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	15	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	15	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	16	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	16	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	16	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	18	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	18	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	18	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	19	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	19	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	19	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	20	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	20	0.12
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	20	0.12
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	1	0.12
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	20	0.12
(1,1843)	1:456:A:MET:HE1	1:364:A:LEU:HB2	2	0.12
(1,1843)	1:456:A:MET:HE2	1:364:A:LEU:HB2	2	0.12
(1,1843)	1:456:A:MET:HE3	1:364:A:LEU:HB2	2	0.12
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	11	0.12
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	11	0.12
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	11	0.12
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD1	5	0.12
(1,1727)	1:413:A:ILE:HD11	1:382:A:PHE:HD2	5	0.12
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD1	5	0.12
(1,1727)	1:413:A:ILE:HD12	1:382:A:PHE:HD2	5	0.12
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD1	5	0.12
(1,1727)	1:413:A:ILE:HD13	1:382:A:PHE:HD2	5	0.12
(1,1722)	1:463:A:VAL:HG21	1:463:A:VAL:HB	3	0.12
(1,1722)	1:463:A:VAL:HG22	1:463:A:VAL:HB	3	0.12
(1,1722)	1:463:A:VAL:HG23	1:463:A:VAL:HB	3	0.12
(1,1722)	1:463:A:VAL:HG21	1:463:A:VAL:HB	7	0.12
(1,1722)	1:463:A:VAL:HG22	1:463:A:VAL:HB	7	0.12
(1,1722)	1:463:A:VAL:HG23	1:463:A:VAL:HB	7	0.12
(1,1722)	1:463:A:VAL:HG21	1:463:A:VAL:HB	13	0.12
(1,1722)	1:463:A:VAL:HG22	1:463:A:VAL:HB	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1722)	1:463:A:VAL:HG23	1:463:A:VAL:HB	13	0.12
(1,1722)	1:463:A:VAL:HG21	1:463:A:VAL:HB	17	0.12
(1,1722)	1:463:A:VAL:HG22	1:463:A:VAL:HB	17	0.12
(1,1722)	1:463:A:VAL:HG23	1:463:A:VAL:HB	17	0.12
(1,1713)	1:420:A:ILE:HG21	1:421:A:HIS:H	18	0.12
(1,1713)	1:420:A:ILE:HG22	1:421:A:HIS:H	18	0.12
(1,1713)	1:420:A:ILE:HG23	1:421:A:HIS:H	18	0.12
(1,1713)	1:420:A:ILE:HG21	1:421:A:HIS:H	20	0.12
(1,1713)	1:420:A:ILE:HG22	1:421:A:HIS:H	20	0.12
(1,1713)	1:420:A:ILE:HG23	1:421:A:HIS:H	20	0.12
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	14	0.12
(1,1634)	1:391:A:ALA:HB1	1:391:A:ALA:H	11	0.12
(1,1634)	1:391:A:ALA:HB2	1:391:A:ALA:H	11	0.12
(1,1634)	1:391:A:ALA:HB3	1:391:A:ALA:H	11	0.12
(1,1634)	1:391:A:ALA:HB1	1:391:A:ALA:H	18	0.12
(1,1634)	1:391:A:ALA:HB2	1:391:A:ALA:H	18	0.12
(1,1634)	1:391:A:ALA:HB3	1:391:A:ALA:H	18	0.12
(1,1634)	1:391:A:ALA:HB1	1:391:A:ALA:H	20	0.12
(1,1634)	1:391:A:ALA:HB2	1:391:A:ALA:H	20	0.12
(1,1634)	1:391:A:ALA:HB3	1:391:A:ALA:H	20	0.12
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG11	13	0.12
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG12	13	0.12
(1,1633)	1:423:A:SER:HA	1:407:A:VAL:HG13	13	0.12
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	12	0.12
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	12	0.12
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	12	0.12
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	17	0.12
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	17	0.12
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	17	0.12
(1,1626)	1:339:A:HIS:HB2	1:339:A:HIS:HA	1	0.12
(1,1626)	1:339:A:HIS:HB2	1:339:A:HIS:HA	8	0.12
(1,1626)	1:339:A:HIS:HB2	1:339:A:HIS:HA	12	0.12
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	1	0.12
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	1	0.12
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	1	0.12
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	7	0.12
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	7	0.12
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	7	0.12
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	15	0.12
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	15	0.12
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	15	0.12
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	19	0.12
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	19	0.12
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	20	0.12
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	20	0.12
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	20	0.12
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	2	0.12
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	6	0.12
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	7	0.12
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	14	0.12
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	15	0.12
(1,1515)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	1	0.12
(1,1515)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	3	0.12
(1,1515)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	4	0.12
(1,1515)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	8	0.12
(1,1515)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	12	0.12
(1,1515)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	19	0.12
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	2	0.12
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	9	0.12
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	13	0.12
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	14	0.12
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	18	0.12
(1,1495)	1:379:A:ALA:HB1	1:466:A:PHE:HB3	19	0.12
(1,1495)	1:379:A:ALA:HB2	1:466:A:PHE:HB3	19	0.12
(1,1495)	1:379:A:ALA:HB3	1:466:A:PHE:HB3	19	0.12
(1,1478)	1:435:A:LYS:HD3	1:435:A:LYS:HB3	8	0.12
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	3	0.12
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	8	0.12
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	9	0.12
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	11	0.12
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	12	0.12
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	15	0.12
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	16	0.12
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	19	0.12
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	20	0.12
(1,1430)	1:408:A:ASN:HA	1:408:A:ASN:HB2	3	0.12
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	13	0.12
(1,1416)	1:372:A:LYS:HB3	1:372:A:LYS:HE2	15	0.12
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	16	0.12
(1,1405)	1:391:A:ALA:HA	1:392:A:THR:H	20	0.12
(1,1402)	1:465:A:VAL:HG21	1:465:A:VAL:H	13	0.12
(1,1402)	1:465:A:VAL:HG22	1:465:A:VAL:H	13	0.12
(1,1402)	1:465:A:VAL:HG23	1:465:A:VAL:H	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	1	0.12
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	2	0.12
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	9	0.12
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	11	0.12
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	15	0.12
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	18	0.12
(1,1379)	1:361:A:LYS:HD2	1:361:A:LYS:H	1	0.12
(1,1379)	1:361:A:LYS:HD2	1:361:A:LYS:H	10	0.12
(1,1379)	1:361:A:LYS:HD2	1:361:A:LYS:H	15	0.12
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	4	0.12
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	8	0.12
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	9	0.12
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	10	0.12
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	11	0.12
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	13	0.12
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	15	0.12
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	16	0.12
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	17	0.12
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	19	0.12
(1,1365)	1:456:A:MET:HG2	1:456:A:MET:HB3	20	0.12
(1,1355)	1:396:A:THR:HG21	1:400:A:GLY:HA2	16	0.12
(1,1355)	1:396:A:THR:HG22	1:400:A:GLY:HA2	16	0.12
(1,1355)	1:396:A:THR:HG23	1:400:A:GLY:HA2	16	0.12
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	12	0.12
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	16	0.12
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	20	0.12
(1,1344)	1:375:A:THR:HB	1:376:A:PRO:HD2	20	0.12
(1,1320)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	10	0.12
(1,1320)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	10	0.12
(1,1320)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	10	0.12
(1,1311)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	3	0.12
(1,1311)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	5	0.12
(1,1311)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	15	0.12
(1,1311)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	19	0.12
(1,1284)	1:406:A:PRO:HG3	1:405:A:SER:HA	2	0.12
(1,1284)	1:406:A:PRO:HG3	1:405:A:SER:HA	16	0.12
(1,1237)	1:360:A:GLY:HA2	1:361:A:LYS:H	15	0.12
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	1	0.12
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	2	0.12
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	3	0.12
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	5	0.12
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	7	0.12
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	10	0.12
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	18	0.12
(1,1198)	1:374:A:THR:HA	1:373:A:PRO:HB3	17	0.12
(1,1172)	1:387:A:LYS:HD2	1:387:A:LYS:HE3	1	0.12
(1,1172)	1:387:A:LYS:HD2	1:387:A:LYS:HE3	12	0.12
(1,1162)	1:390:A:ASP:HB2	1:390:A:ASP:HA	3	0.12
(1,1162)	1:390:A:ASP:HB2	1:390:A:ASP:HA	7	0.12
(1,1161)	1:429:A:TYR:HB2	1:429:A:TYR:H	19	0.12
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	4	0.12
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	4	0.12
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	4	0.12
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	5	0.12
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	5	0.12
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	5	0.12
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	8	0.12
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	8	0.12
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	8	0.12
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	10	0.12
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	10	0.12
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	10	0.12
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	11	0.12
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	11	0.12
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	11	0.12
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	15	0.12
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	15	0.12
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	15	0.12
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	17	0.12
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	17	0.12
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	17	0.12
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	18	0.12
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	18	0.12
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	18	0.12
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	19	0.12
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	19	0.12
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	19	0.12
(1,1132)	1:348:A:ASP:HA	1:349:A:LEU:HB3	1	0.12
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	1	0.12
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	1	0.12
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	1	0.12
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	3	0.12
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	3	0.12
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	9	0.12
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	9	0.12
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	9	0.12
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	12	0.12
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	12	0.12
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	12	0.12
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	14	0.12
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	14	0.12
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	14	0.12
(1,1122)	1:389:A:GLU:HB2	1:389:A:GLU:HG2	4	0.12
(1,1113)	1:445:A:THR:HA	1:444:A:ASN:HB2	19	0.12
(1,1076)	1:451:A:LYS:HE2	1:451:A:LYS:HG3	8	0.12
(1,1050)	1:420:A:ILE:HG21	1:443:A:ILE:H	3	0.12
(1,1050)	1:420:A:ILE:HG22	1:443:A:ILE:H	3	0.12
(1,1050)	1:420:A:ILE:HG23	1:443:A:ILE:H	3	0.12
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	1	0.12
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	3	0.12
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	4	0.12
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	8	0.12
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	9	0.12
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	11	0.12
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	16	0.12
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	17	0.12
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	19	0.12
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	9	0.12
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	9	0.12
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	9	0.12
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	9	0.12
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	9	0.12
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	9	0.12
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	9	0.12
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	9	0.12
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	9	0.12
(1,910)	1:340:A:MET:HB3	1:340:A:MET:HG2	2	0.12
(1,910)	1:340:A:MET:HB3	1:340:A:MET:HG2	9	0.12
(1,905)	1:458:A:GLU:HA	1:458:A:GLU:HB2	7	0.12
(1,897)	1:434:A:TRP:HA	1:435:A:LYS:HA	1	0.12
(1,897)	1:434:A:TRP:HA	1:435:A:LYS:HA	3	0.12
(1,897)	1:434:A:TRP:HA	1:435:A:LYS:HA	4	0.12
(1,897)	1:434:A:TRP:HA	1:435:A:LYS:HA	10	0.12
(1,897)	1:434:A:TRP:HA	1:435:A:LYS:HA	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:404:A:GLU:HB2	1:403:A:TYR:HA	20	0.12
(1,809)	1:358:A:LYS:HA	1:358:A:LYS:HB2	3	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	8	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	8	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	8	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	10	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	10	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	10	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	11	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	11	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	11	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	15	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	15	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	15	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	16	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	16	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	16	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	17	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	17	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	17	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	20	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	20	0.12
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	20	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	3	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	3	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	3	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	3	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	3	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	3	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	3	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	3	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	3	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	5	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	5	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	5	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	5	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	5	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	5	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	5	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	5	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	5	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	9	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	9	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	9	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	9	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	9	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	9	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	9	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	9	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	11	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	11	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	11	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	11	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	11	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	11	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	11	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	11	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	11	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	12	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	12	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	12	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	12	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	12	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	12	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	12	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	12	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	12	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	18	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	18	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	18	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	18	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	18	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	18	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	18	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	18	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	18	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	19	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	19	0.12
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	19	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	19	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	19	0.12
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	19	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	19	0.12
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	19	0.12
(1,713)	1:349:A:LEU:HD11	1:349:A:LEU:H	5	0.12
(1,713)	1:349:A:LEU:HD12	1:349:A:LEU:H	5	0.12
(1,713)	1:349:A:LEU:HD13	1:349:A:LEU:H	5	0.12
(1,711)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	1	0.12
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	4	0.12
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	4	0.12
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	4	0.12
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	15	0.12
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	15	0.12
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	15	0.12
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	16	0.12
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	16	0.12
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	16	0.12
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	3	0.12
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	8	0.12
(1,653)	1:340:A:MET:HG2	1:340:A:MET:H	5	0.12
(1,649)	1:427:A:PRO:HA	1:428:A:GLU:HB2	10	0.12
(1,639)	1:368:A:ILE:HD11	1:369:A:VAL:H	19	0.12
(1,639)	1:368:A:ILE:HD12	1:369:A:VAL:H	19	0.12
(1,639)	1:368:A:ILE:HD13	1:369:A:VAL:H	19	0.12
(1,635)	1:411:A:MET:HG3	1:411:A:MET:H	2	0.12
(1,549)	1:394:A:LYS:HG2	1:394:A:LYS:HA	3	0.12
(1,549)	1:394:A:LYS:HG2	1:394:A:LYS:HA	6	0.12
(1,549)	1:394:A:LYS:HG2	1:394:A:LYS:HA	9	0.12
(1,510)	1:372:A:LYS:HD3	1:372:A:LYS:HG2	5	0.12
(1,510)	1:372:A:LYS:HD3	1:372:A:LYS:HG2	10	0.12
(1,458)	1:435:A:LYS:HB3	1:435:A:LYS:HD2	6	0.12
(1,458)	1:435:A:LYS:HB3	1:435:A:LYS:HD2	18	0.12
(1,458)	1:435:A:LYS:HB3	1:435:A:LYS:HD2	19	0.12
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	4	0.12
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	8	0.12
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	9	0.12
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	13	0.12
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	14	0.12
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	16	0.12
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	17	0.12
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	18	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	1	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	2	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	4	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	5	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	7	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	8	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	9	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	10	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	11	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	13	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	14	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	15	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	16	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	17	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	18	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	19	0.12
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	20	0.12
(1,432)	1:361:A:LYS:HB3	1:361:A:LYS:HE3	12	0.12
(1,409)	1:440:A:HIS:HB3	1:440:A:HIS:H	1	0.12
(1,409)	1:440:A:HIS:HB3	1:440:A:HIS:H	6	0.12
(1,395)	1:388:A:GLU:HA	1:388:A:GLU:HG3	8	0.12
(1,395)	1:388:A:GLU:HA	1:388:A:GLU:HG3	11	0.12
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	1	0.12
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	1	0.12
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	1	0.12
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	3	0.12
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	3	0.12
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	3	0.12
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	4	0.12
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	4	0.12
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	4	0.12
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	6	0.12
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	6	0.12
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	6	0.12
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	7	0.12
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	7	0.12
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	7	0.12
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	10	0.12
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	10	0.12
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	10	0.12
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	13	0.12
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	13	0.12
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	13	0.12
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	14	0.12
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	14	0.12
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	15	0.12
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	15	0.12
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	15	0.12
(1,383)	1:379:A:ALA:HB1	1:379:A:ALA:HA	17	0.12
(1,383)	1:379:A:ALA:HB2	1:379:A:ALA:HA	17	0.12
(1,383)	1:379:A:ALA:HB3	1:379:A:ALA:HA	17	0.12
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	5	0.12
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	8	0.12
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	9	0.12
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	10	0.12
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	14	0.12
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	1	0.12
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	4	0.12
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	9	0.12
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	10	0.12
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	12	0.12
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	13	0.12
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	15	0.12
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	18	0.12
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	19	0.12
(1,345)	1:378:A:PRO:HG2	1:378:A:PRO:HD3	20	0.12
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	1	0.12
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	1	0.12
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	1	0.12
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	3	0.12
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	3	0.12
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	3	0.12
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	7	0.12
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	7	0.12
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	7	0.12
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	8	0.12
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	8	0.12
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	8	0.12
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	13	0.12
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	13	0.12
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	13	0.12
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	18	0.12
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	18	0.12
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	18	0.12
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	19	0.12
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	19	0.12
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	20	0.12
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	20	0.12
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	20	0.12
(1,310)	1:428:A:GLU:HB2	1:428:A:GLU:HA	2	0.12
(1,310)	1:428:A:GLU:HB2	1:428:A:GLU:HA	7	0.12
(1,310)	1:428:A:GLU:HB2	1:428:A:GLU:HA	11	0.12
(1,304)	1:355:A:TRP:HB2	1:356:A:TYR:H	1	0.12
(1,304)	1:355:A:TRP:HB2	1:356:A:TYR:H	13	0.12
(1,304)	1:355:A:TRP:HB2	1:356:A:TYR:H	17	0.12
(1,304)	1:355:A:TRP:HB2	1:356:A:TYR:H	20	0.12
(1,294)	1:358:A:LYS:HA	1:358:A:LYS:HD3	14	0.12
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	15	0.12
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	15	0.12
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	15	0.12
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	15	0.12
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	15	0.12
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	15	0.12
(1,214)	1:427:A:PRO:HA	1:428:A:GLU:H	16	0.12
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	15	0.12
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	6	0.12
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	6	0.12
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	6	0.12
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	14	0.12
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	14	0.12
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	14	0.12
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	17	0.12
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	17	0.12
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	17	0.12
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	19	0.12
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	19	0.12
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	19	0.12
(1,159)	1:376:A:PRO:HA	1:375:A:THR:H	2	0.12
(1,159)	1:376:A:PRO:HA	1:375:A:THR:H	10	0.12
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	6	0.12
(1,111)	1:423:A:SER:HA	1:425:A:TRP:H	10	0.12
(1,94)	1:401:A:THR:HA	1:402:A:PRO:HG3	4	0.12
(1,14)	1:388:A:GLU:HA	1:388:A:GLU:HG2	1	0.12
(1,7)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	2	0.12
(1,7)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	7	0.12
(1,7)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	11	0.12
(1,7)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	13	0.12
(1,7)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	14	0.12
(1,7)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	17	0.12
(1,4976)	1:408:A:ASN:HD22	1:407:A:VAL:HA	14	0.11
(1,4950)	1:371:A:GLY:H	1:371:A:GLY:HA3	8	0.11
(1,4945)	1:441:A:GLY:H	1:372:A:LYS:H	5	0.11
(1,4945)	1:441:A:GLY:H	1:372:A:LYS:H	14	0.11
(1,4930)	1:442:A:CYS:H	1:371:A:GLY:H	11	0.11
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	9	0.11
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	11	0.11
(1,4823)	1:414:A:ASP:H	1:414:A:ASP:HB3	16	0.11
(1,4803)	1:396:A:THR:H	1:395:A:GLY:H	3	0.11
(1,4803)	1:396:A:THR:H	1:395:A:GLY:H	10	0.11
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	2	0.11
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	2	0.11
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	2	0.11
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD11	6	0.11
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD12	6	0.11
(1,4706)	1:429:A:TYR:H	1:433:A:LEU:HD13	6	0.11
(1,4703)	1:442:A:CYS:H	1:441:A:GLY:HA2	10	0.11
(1,4703)	1:442:A:CYS:H	1:441:A:GLY:HA2	13	0.11
(1,4703)	1:442:A:CYS:H	1:441:A:GLY:HA2	20	0.11
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD11	6	0.11
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD12	6	0.11
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD13	6	0.11
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD11	19	0.11
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD12	19	0.11
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD13	19	0.11
(1,4675)	1:452:A:GLU:H	1:451:A:LYS:HG2	10	0.11
(1,4674)	1:357:A:TYR:H	1:357:A:TYR:HA	5	0.11
(1,4674)	1:357:A:TYR:H	1:357:A:TYR:HA	8	0.11
(1,4674)	1:357:A:TYR:H	1:357:A:TYR:HA	9	0.11
(1,4674)	1:357:A:TYR:H	1:357:A:TYR:HA	12	0.11
(1,4674)	1:357:A:TYR:H	1:357:A:TYR:HA	14	0.11
(1,4631)	1:397:A:ASN:HD21	1:400:A:GLY:H	10	0.11
(1,4631)	1:397:A:ASN:HD21	1:400:A:GLY:H	12	0.11
(1,4621)	1:400:A:GLY:H	1:399:A:ASP:H	14	0.11
(1,4587)	1:450:A:MET:H	1:449:A:VAL:H	3	0.11
(1,4571)	1:389:A:GLU:H	1:389:A:GLU:HB2	17	0.11
(1,4561)	1:343:A:THR:H	1:343:A:THR:HA	2	0.11
(1,4561)	1:343:A:THR:H	1:343:A:THR:HA	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4561)	1:343:A:THR:H	1:343:A:THR:HA	14	0.11
(1,4561)	1:343:A:THR:H	1:343:A:THR:HA	15	0.11
(1,4542)	1:395:A:GLY:H	1:394:A:LYS:HB3	9	0.11
(1,4539)	1:367:A:ASP:H	1:367:A:ASP:HA	4	0.11
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	1	0.11
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	5	0.11
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	7	0.11
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	12	0.11
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	17	0.11
(1,4499)	1:432:A:ASP:H	1:432:A:ASP:HA	20	0.11
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG21	7	0.11
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG22	7	0.11
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG23	7	0.11
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG21	8	0.11
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG22	8	0.11
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG23	8	0.11
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG21	16	0.11
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG22	16	0.11
(1,4497)	1:436:A:THR:H	1:436:A:THR:HG23	16	0.11
(1,4491)	1:351:A:ASN:H	1:351:A:ASN:HB2	15	0.11
(1,4491)	1:351:A:ASN:H	1:351:A:ASN:HB2	19	0.11
(1,4491)	1:351:A:ASN:H	1:351:A:ASN:HB2	20	0.11
(1,4427)	1:466:A:PHE:H	1:349:A:LEU:H	7	0.11
(1,4410)	1:426:A:GLN:H	1:425:A:TRP:HD1	14	0.11
(1,4410)	1:426:A:GLN:H	1:425:A:TRP:HD1	16	0.11
(1,4392)	1:377:A:THR:H	1:370:A:SER:HG	9	0.11
(1,4389)	1:463:A:VAL:H	1:382:A:PHE:H	13	0.11
(1,4389)	1:463:A:VAL:H	1:382:A:PHE:H	18	0.11
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	10	0.11
(1,4378)	1:455:A:GLY:H	1:454:A:PHE:H	13	0.11
(1,4348)	1:350:A:GLU:H	1:349:A:LEU:HG	9	0.11
(1,4348)	1:350:A:GLU:H	1:349:A:LEU:HG	17	0.11
(1,4339)	1:372:A:LYS:H	1:372:A:LYS:HG2	9	0.11
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG21	15	0.11
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG22	15	0.11
(1,4338)	1:410:A:TRP:H	1:407:A:VAL:HG23	15	0.11
(1,4329)	1:393:A:LEU:H	1:404:A:GLU:HG2	11	0.11
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	7	0.11
(1,4322)	1:466:A:PHE:H	1:349:A:LEU:HG	8	0.11
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG21	12	0.11
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG22	12	0.11
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG23	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	10	0.11
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	19	0.11
(1,4298)	1:375:A:THR:H	1:372:A:LYS:HG3	19	0.11
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG11	7	0.11
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG12	7	0.11
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG13	7	0.11
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG11	17	0.11
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG12	17	0.11
(1,4271)	1:433:A:LEU:H	1:369:A:VAL:HG13	17	0.11
(1,4269)	1:353:A:HIS:H	1:351:A:ASN:HB2	19	0.11
(1,4257)	1:352:A:GLN:H	1:352:A:GLN:HA	2	0.11
(1,4257)	1:352:A:GLN:H	1:352:A:GLN:HA	14	0.11
(1,4230)	1:452:A:GLU:H	1:451:A:LYS:HB2	18	0.11
(1,4208)	1:385:A:TRP:HE1	1:414:A:ASP:HA	19	0.11
(1,4207)	1:416:A:THR:H	1:418:A:VAL:H	11	0.11
(1,4169)	1:438:A:GLY:H	1:437:A:ARG:HG3	11	0.11
(1,4160)	1:433:A:LEU:H	1:432:A:ASP:H	10	0.11
(1,4160)	1:433:A:LEU:H	1:432:A:ASP:H	11	0.11
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG11	19	0.11
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG12	19	0.11
(1,4155)	1:461:A:THR:H	1:384:A:VAL:HG13	19	0.11
(1,4146)	1:410:A:TRP:HE1	1:410:A:TRP:HB2	2	0.11
(1,4146)	1:410:A:TRP:HE1	1:410:A:TRP:HB2	7	0.11
(1,4146)	1:410:A:TRP:HE1	1:410:A:TRP:HB2	8	0.11
(1,4146)	1:410:A:TRP:HE1	1:410:A:TRP:HB2	17	0.11
(1,4120)	1:421:A:HIS:H	1:421:A:HIS:HA	5	0.11
(1,4115)	1:432:A:ASP:H	1:434:A:TRP:H	12	0.11
(1,4112)	1:437:A:ARG:H	1:435:A:LYS:HA	11	0.11
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	4	0.11
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	11	0.11
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	12	0.11
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	13	0.11
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	14	0.11
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	16	0.11
(1,4092)	1:408:A:ASN:HD21	1:407:A:VAL:HA	5	0.11
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	1	0.11
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	4	0.11
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	11	0.11
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	16	0.11
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	18	0.11
(1,4060)	1:432:A:ASP:H	1:433:A:LEU:H	10	0.11
(1,4060)	1:432:A:ASP:H	1:433:A:LEU:H	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	3	0.11
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	6	0.11
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	8	0.11
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	14	0.11
(1,4015)	1:395:A:GLY:H	1:396:A:THR:H	3	0.11
(1,4015)	1:395:A:GLY:H	1:396:A:THR:H	10	0.11
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD11	11	0.11
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD12	11	0.11
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD13	11	0.11
(1,3967)	1:356:A:TYR:H	1:355:A:TRP:HA	3	0.11
(1,3967)	1:356:A:TYR:H	1:355:A:TRP:HA	5	0.11
(1,3967)	1:356:A:TYR:H	1:355:A:TRP:HA	8	0.11
(1,3967)	1:356:A:TYR:H	1:355:A:TRP:HA	10	0.11
(1,3967)	1:356:A:TYR:H	1:355:A:TRP:HA	11	0.11
(1,3967)	1:356:A:TYR:H	1:355:A:TRP:HA	12	0.11
(1,3967)	1:356:A:TYR:H	1:355:A:TRP:HA	14	0.11
(1,3967)	1:356:A:TYR:H	1:355:A:TRP:HA	15	0.11
(1,3967)	1:356:A:TYR:H	1:355:A:TRP:HA	19	0.11
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB1	11	0.11
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB2	11	0.11
(1,3935)	1:392:A:THR:H	1:391:A:ALA:HB3	11	0.11
(1,3932)	1:461:A:THR:H	1:460:A:GLY:H	10	0.11
(1,3930)	1:424:A:ASP:H	1:447:A:PRO:HA	13	0.11
(1,3930)	1:424:A:ASP:H	1:447:A:PRO:HA	18	0.11
(1,3930)	1:424:A:ASP:H	1:447:A:PRO:HA	20	0.11
(1,3928)	1:340:A:MET:H	1:340:A:MET:HA	13	0.11
(1,3904)	1:344:A:TYR:HD1	1:344:A:TYR:HB2	4	0.11
(1,3904)	1:344:A:TYR:HD2	1:344:A:TYR:HB2	4	0.11
(1,3904)	1:344:A:TYR:HD1	1:344:A:TYR:HB2	10	0.11
(1,3904)	1:344:A:TYR:HD2	1:344:A:TYR:HB2	10	0.11
(1,3902)	1:454:A:PHE:HD1	1:454:A:PHE:HA	4	0.11
(1,3902)	1:454:A:PHE:HD2	1:454:A:PHE:HA	4	0.11
(1,3902)	1:454:A:PHE:HD1	1:454:A:PHE:HA	9	0.11
(1,3902)	1:454:A:PHE:HD2	1:454:A:PHE:HA	9	0.11
(1,3898)	1:466:A:PHE:HE1	1:346:A:GLU:HB3	8	0.11
(1,3898)	1:466:A:PHE:HE2	1:346:A:GLU:HB3	8	0.11
(1,3893)	1:425:A:TRP:HD1	1:426:A:GLN:HB2	4	0.11
(1,3893)	1:425:A:TRP:HD1	1:426:A:GLN:HB2	17	0.11
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG21	6	0.11
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG22	6	0.11
(1,3891)	1:356:A:TYR:HD1	1:343:A:THR:HG23	6	0.11
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG21	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG22	6	0.11
(1,3891)	1:356:A:TYR:HD2	1:343:A:THR:HG23	6	0.11
(1,3885)	1:355:A:TRP:HH2	1:348:A:ASP:HA	4	0.11
(1,3885)	1:355:A:TRP:HH2	1:348:A:ASP:HA	8	0.11
(1,3869)	1:466:A:PHE:HZ	1:346:A:GLU:HG3	17	0.11
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	1	0.11
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	4	0.11
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	11	0.11
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	17	0.11
(1,3853)	1:410:A:TRP:HE3	1:421:A:HIS:HB2	19	0.11
(1,3825)	1:425:A:TRP:HZ3	1:406:A:PRO:HG3	8	0.11
(1,3818)	1:357:A:TYR:HE1	1:346:A:GLU:HA	12	0.11
(1,3818)	1:357:A:TYR:HE2	1:346:A:GLU:HA	12	0.11
(1,3798)	1:466:A:PHE:HD1	1:464:A:LEU:HG	17	0.11
(1,3798)	1:466:A:PHE:HD2	1:464:A:LEU:HG	17	0.11
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	1	0.11
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	1	0.11
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	1	0.11
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	1	0.11
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	1	0.11
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	1	0.11
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD21	8	0.11
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD22	8	0.11
(1,3791)	1:357:A:TYR:HD1	1:464:A:LEU:HD23	8	0.11
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD21	8	0.11
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD22	8	0.11
(1,3791)	1:357:A:TYR:HD2	1:464:A:LEU:HD23	8	0.11
(1,3786)	1:357:A:TYR:HD1	1:357:A:TYR:HB3	4	0.11
(1,3786)	1:357:A:TYR:HD2	1:357:A:TYR:HB3	4	0.11
(1,3776)	1:383:A:TYR:HD1	1:462:A:PRO:HG3	12	0.11
(1,3776)	1:383:A:TYR:HD2	1:462:A:PRO:HG3	12	0.11
(1,3758)	1:454:A:PHE:HD1	1:454:A:PHE:HB2	14	0.11
(1,3758)	1:454:A:PHE:HD2	1:454:A:PHE:HB2	14	0.11
(1,3758)	1:454:A:PHE:HD1	1:454:A:PHE:HB2	16	0.11
(1,3758)	1:454:A:PHE:HD2	1:454:A:PHE:HB2	16	0.11
(1,3758)	1:454:A:PHE:HD1	1:454:A:PHE:HB2	17	0.11
(1,3758)	1:454:A:PHE:HD2	1:454:A:PHE:HB2	17	0.11
(1,3753)	1:403:A:TYR:HE1	1:395:A:GLY:HA3	2	0.11
(1,3753)	1:403:A:TYR:HE2	1:395:A:GLY:HA3	2	0.11
(1,3753)	1:403:A:TYR:HE1	1:395:A:GLY:HA3	16	0.11
(1,3753)	1:403:A:TYR:HE2	1:395:A:GLY:HA3	16	0.11
(1,3753)	1:403:A:TYR:HE1	1:395:A:GLY:HA3	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3753)	1:403:A:TYR:HE2	1:395:A:GLY:HA3	18	0.11
(1,3753)	1:403:A:TYR:HE1	1:395:A:GLY:HA3	19	0.11
(1,3753)	1:403:A:TYR:HE2	1:395:A:GLY:HA3	19	0.11
(1,3753)	1:403:A:TYR:HE1	1:395:A:GLY:HA3	20	0.11
(1,3753)	1:403:A:TYR:HE2	1:395:A:GLY:HA3	20	0.11
(1,3706)	1:355:A:TRP:HH2	1:348:A:ASP:HB2	4	0.11
(1,3681)	1:429:A:TYR:HD1	1:429:A:TYR:HB2	2	0.11
(1,3681)	1:429:A:TYR:HD2	1:429:A:TYR:HB2	2	0.11
(1,3681)	1:429:A:TYR:HD1	1:429:A:TYR:HB2	5	0.11
(1,3681)	1:429:A:TYR:HD2	1:429:A:TYR:HB2	5	0.11
(1,3681)	1:429:A:TYR:HD1	1:429:A:TYR:HB2	6	0.11
(1,3681)	1:429:A:TYR:HD2	1:429:A:TYR:HB2	6	0.11
(1,3681)	1:429:A:TYR:HD1	1:429:A:TYR:HB2	11	0.11
(1,3681)	1:429:A:TYR:HD2	1:429:A:TYR:HB2	11	0.11
(1,3681)	1:429:A:TYR:HD1	1:429:A:TYR:HB2	13	0.11
(1,3681)	1:429:A:TYR:HD2	1:429:A:TYR:HB2	13	0.11
(1,3681)	1:429:A:TYR:HD1	1:429:A:TYR:HB2	15	0.11
(1,3681)	1:429:A:TYR:HD2	1:429:A:TYR:HB2	15	0.11
(1,3681)	1:429:A:TYR:HD1	1:429:A:TYR:HB2	17	0.11
(1,3681)	1:429:A:TYR:HD2	1:429:A:TYR:HB2	17	0.11
(1,3641)	1:383:A:TYR:HE1	1:462:A:PRO:HG3	14	0.11
(1,3641)	1:383:A:TYR:HE2	1:462:A:PRO:HG3	14	0.11
(1,3613)	1:434:A:TRP:HD1	1:432:A:ASP:HB2	17	0.11
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	13	0.11
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	13	0.11
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	14	0.11
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	14	0.11
(1,3577)	1:403:A:TYR:HD1	1:395:A:GLY:HA2	3	0.11
(1,3577)	1:403:A:TYR:HD2	1:395:A:GLY:HA2	3	0.11
(1,3577)	1:403:A:TYR:HD1	1:395:A:GLY:HA2	12	0.11
(1,3577)	1:403:A:TYR:HD2	1:395:A:GLY:HA2	12	0.11
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	3	0.11
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	3	0.11
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD21	19	0.11
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD22	19	0.11
(1,3565)	1:421:A:HIS:HD2	1:393:A:LEU:HD23	19	0.11
(1,3558)	1:410:A:TRP:HD1	1:388:A:GLU:HA	18	0.11
(1,3547)	1:382:A:PHE:HD1	1:382:A:PHE:HB3	11	0.11
(1,3547)	1:382:A:PHE:HD2	1:382:A:PHE:HB3	11	0.11
(1,3525)	1:355:A:TRP:HE3	1:354:A:MET:HA	3	0.11
(1,3513)	1:394:A:LYS:HB3	1:394:A:LYS:HE3	1	0.11
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3474)	1:428:A:GLU:HA	1:429:A:TYR:H	16	0.11
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	8	0.11
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	8	0.11
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	8	0.11
(1,3468)	1:416:A:THR:HG21	1:416:A:THR:HA	20	0.11
(1,3468)	1:416:A:THR:HG22	1:416:A:THR:HA	20	0.11
(1,3468)	1:416:A:THR:HG23	1:416:A:THR:HA	20	0.11
(1,3464)	1:437:A:ARG:HD2	1:437:A:ARG:HG2	17	0.11
(1,3464)	1:437:A:ARG:HD2	1:437:A:ARG:HG2	18	0.11
(1,3453)	1:428:A:GLU:HA	1:429:A:TYR:HB2	6	0.11
(1,3419)	1:422:A:ASP:HA	1:423:A:SER:HB3	19	0.11
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	4	0.11
(1,3417)	1:410:A:TRP:HA	1:409:A:TYR:HB2	8	0.11
(1,3370)	1:446:A:PRO:HA	1:447:A:PRO:HD2	4	0.11
(1,3351)	1:340:A:MET:HB3	1:340:A:MET:HA	4	0.11
(1,3351)	1:340:A:MET:HB3	1:340:A:MET:HA	11	0.11
(1,3331)	1:451:A:LYS:HE2	1:451:A:LYS:HB2	16	0.11
(1,3317)	1:416:A:THR:HB	1:416:A:THR:H	7	0.11
(1,3280)	1:397:A:ASN:HB2	1:398:A:ASP:HA	9	0.11
(1,3223)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	2	0.11
(1,3223)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	3	0.11
(1,3223)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	20	0.11
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	1	0.11
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	1	0.11
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	1	0.11
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	1	0.11
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	1	0.11
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	1	0.11
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	1	0.11
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	1	0.11
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	1	0.11
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	4	0.11
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	4	0.11
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	4	0.11
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	4	0.11
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	4	0.11
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	4	0.11
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	4	0.11
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	4	0.11
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	4	0.11
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	8	0.11
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	8	0.11
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	8	0.11
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	8	0.11
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	8	0.11
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	8	0.11
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	8	0.11
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	8	0.11
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	14	0.11
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	14	0.11
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	14	0.11
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	14	0.11
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	14	0.11
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	14	0.11
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	14	0.11
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	14	0.11
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	14	0.11
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG21	19	0.11
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG22	19	0.11
(1,3214)	1:345:A:ILE:HD11	1:345:A:ILE:HG23	19	0.11
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG21	19	0.11
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG22	19	0.11
(1,3214)	1:345:A:ILE:HD12	1:345:A:ILE:HG23	19	0.11
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG21	19	0.11
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG22	19	0.11
(1,3214)	1:345:A:ILE:HD13	1:345:A:ILE:HG23	19	0.11
(1,3201)	1:421:A:HIS:HA	1:422:A:ASP:HB2	1	0.11
(1,3201)	1:421:A:HIS:HA	1:422:A:ASP:HB2	4	0.11
(1,3201)	1:421:A:HIS:HA	1:422:A:ASP:HB2	6	0.11
(1,3201)	1:421:A:HIS:HA	1:422:A:ASP:HB2	12	0.11
(1,3190)	1:414:A:ASP:HA	1:413:A:ILE:HA	11	0.11
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	2	0.11
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	3	0.11
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	4	0.11
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	6	0.11
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	7	0.11
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	8	0.11
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	10	0.11
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	15	0.11
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	16	0.11
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	19	0.11
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD11	6	0.11
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD12	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3106)	1:443:A:ILE:HB	1:443:A:ILE:HD13	6	0.11
(1,3105)	1:341:A:GLU:HA	1:341:A:GLU:HB3	12	0.11
(1,3104)	1:463:A:VAL:HG11	1:463:A:VAL:H	10	0.11
(1,3104)	1:463:A:VAL:HG12	1:463:A:VAL:H	10	0.11
(1,3104)	1:463:A:VAL:HG13	1:463:A:VAL:H	10	0.11
(1,3104)	1:463:A:VAL:HG11	1:463:A:VAL:H	12	0.11
(1,3104)	1:463:A:VAL:HG12	1:463:A:VAL:H	12	0.11
(1,3104)	1:463:A:VAL:HG13	1:463:A:VAL:H	12	0.11
(1,3104)	1:463:A:VAL:HG11	1:463:A:VAL:H	18	0.11
(1,3104)	1:463:A:VAL:HG12	1:463:A:VAL:H	18	0.11
(1,3104)	1:463:A:VAL:HG13	1:463:A:VAL:H	18	0.11
(1,3104)	1:463:A:VAL:HG11	1:463:A:VAL:H	20	0.11
(1,3104)	1:463:A:VAL:HG12	1:463:A:VAL:H	20	0.11
(1,3104)	1:463:A:VAL:HG13	1:463:A:VAL:H	20	0.11
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	5	0.11
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	12	0.11
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	13	0.11
(1,3093)	1:451:A:LYS:HB2	1:451:A:LYS:HG2	17	0.11
(1,3085)	1:399:A:ASP:HA	1:399:A:ASP:HB3	13	0.11
(1,3082)	1:408:A:ASN:HB3	1:407:A:VAL:HA	2	0.11
(1,3082)	1:408:A:ASN:HB3	1:407:A:VAL:HA	7	0.11
(1,3075)	1:450:A:MET:HG2	1:450:A:MET:HA	3	0.11
(1,3075)	1:450:A:MET:HG2	1:450:A:MET:HA	9	0.11
(1,3031)	1:381:A:VAL:HA	1:380:A:GLY:H	11	0.11
(1,3029)	1:456:A:MET:HB3	1:456:A:MET:HE1	9	0.11
(1,3029)	1:456:A:MET:HB3	1:456:A:MET:HE2	9	0.11
(1,3029)	1:456:A:MET:HB3	1:456:A:MET:HE3	9	0.11
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	3	0.11
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	4	0.11
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	5	0.11
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	6	0.11
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	8	0.11
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	10	0.11
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	12	0.11
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	15	0.11
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	17	0.11
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	18	0.11
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	19	0.11
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	20	0.11
(1,2994)	1:433:A:LEU:HA	1:433:A:LEU:H	3	0.11
(1,2994)	1:433:A:LEU:HA	1:433:A:LEU:H	4	0.11
(1,2994)	1:433:A:LEU:HA	1:433:A:LEU:H	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2994)	1:433:A:LEU:HA	1:433:A:LEU:H	19	0.11
(1,2950)	1:386:A:ASN:HB2	1:412:A:PRO:HD3	14	0.11
(1,2887)	1:352:A:GLN:HB3	1:351:A:ASN:HA	20	0.11
(1,2875)	1:390:A:ASP:HA	1:390:A:ASP:HB2	4	0.11
(1,2875)	1:390:A:ASP:HA	1:390:A:ASP:HB2	5	0.11
(1,2875)	1:390:A:ASP:HA	1:390:A:ASP:HB2	12	0.11
(1,2875)	1:390:A:ASP:HA	1:390:A:ASP:HB2	17	0.11
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD11	15	0.11
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD12	15	0.11
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD13	15	0.11
(1,2861)	1:407:A:VAL:HG21	1:409:A:TYR:H	10	0.11
(1,2861)	1:407:A:VAL:HG22	1:409:A:TYR:H	10	0.11
(1,2861)	1:407:A:VAL:HG23	1:409:A:TYR:H	10	0.11
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	2	0.11
(1,2826)	1:358:A:LYS:HD2	1:358:A:LYS:HG3	8	0.11
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	5	0.11
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	5	0.11
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	5	0.11
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG11	10	0.11
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG12	10	0.11
(1,2795)	1:449:A:VAL:HA	1:449:A:VAL:HG13	10	0.11
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	2	0.11
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	6	0.11
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	7	0.11
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	8	0.11
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	14	0.11
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	16	0.11
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	18	0.11
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	19	0.11
(1,2776)	1:352:A:GLN:HA	1:351:A:ASN:HA	15	0.11
(1,2747)	1:341:A:GLU:HG3	1:341:A:GLU:HA	4	0.11
(1,2747)	1:341:A:GLU:HG3	1:341:A:GLU:HA	17	0.11
(1,2733)	1:456:A:MET:HE1	1:364:A:LEU:HG	8	0.11
(1,2733)	1:456:A:MET:HE2	1:364:A:LEU:HG	8	0.11
(1,2733)	1:456:A:MET:HE3	1:364:A:LEU:HG	8	0.11
(1,2733)	1:456:A:MET:HE1	1:364:A:LEU:HG	9	0.11
(1,2733)	1:456:A:MET:HE2	1:364:A:LEU:HG	9	0.11
(1,2733)	1:456:A:MET:HE3	1:364:A:LEU:HG	9	0.11
(1,2733)	1:456:A:MET:HE1	1:364:A:LEU:HG	20	0.11
(1,2733)	1:456:A:MET:HE2	1:364:A:LEU:HG	20	0.11
(1,2733)	1:456:A:MET:HE3	1:364:A:LEU:HG	20	0.11
(1,2687)	1:385:A:TRP:HA	1:386:A:ASN:HB2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	6	0.11
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	6	0.11
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	6	0.11
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	1	0.11
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	9	0.11
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	11	0.11
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	14	0.11
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	16	0.11
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	19	0.11
(1,2596)	1:393:A:LEU:HA	1:393:A:LEU:HB3	20	0.11
(1,2568)	1:384:A:VAL:HG21	1:385:A:TRP:H	17	0.11
(1,2568)	1:384:A:VAL:HG22	1:385:A:TRP:H	17	0.11
(1,2568)	1:384:A:VAL:HG23	1:385:A:TRP:H	17	0.11
(1,2561)	1:450:A:MET:HA	1:450:A:MET:HG3	2	0.11
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	2	0.11
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	3	0.11
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	4	0.11
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	6	0.11
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	7	0.11
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	8	0.11
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	10	0.11
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	15	0.11
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	16	0.11
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	19	0.11
(1,2549)	1:361:A:LYS:HB3	1:361:A:LYS:HG2	12	0.11
(1,2547)	1:406:A:PRO:HB3	1:407:A:VAL:H	16	0.11
(1,2544)	1:389:A:GLU:HB3	1:390:A:ASP:H	10	0.11
(1,2544)	1:389:A:GLU:HB3	1:390:A:ASP:H	11	0.11
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	6	0.11
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	6	0.11
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	6	0.11
(1,2529)	1:362:A:VAL:HG21	1:362:A:VAL:HB	12	0.11
(1,2529)	1:362:A:VAL:HG22	1:362:A:VAL:HB	12	0.11
(1,2529)	1:362:A:VAL:HG23	1:362:A:VAL:HB	12	0.11
(1,2523)	1:404:A:GLU:HB3	1:404:A:GLU:HG2	9	0.11
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	11	0.11
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	18	0.11
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	19	0.11
(1,2472)	1:426:A:GLN:HB2	1:426:A:GLN:HE21	9	0.11
(1,2399)	1:340:A:MET:HB2	1:341:A:GLU:H	20	0.11
(1,2385)	1:363:A:ALA:HB1	1:456:A:MET:HE1	2	0.11
(1,2385)	1:363:A:ALA:HB1	1:456:A:MET:HE2	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2385)	1:363:A:ALA:HB1	1:456:A:MET:HE3	2	0.11
(1,2385)	1:363:A:ALA:HB2	1:456:A:MET:HE1	2	0.11
(1,2385)	1:363:A:ALA:HB2	1:456:A:MET:HE2	2	0.11
(1,2385)	1:363:A:ALA:HB2	1:456:A:MET:HE3	2	0.11
(1,2385)	1:363:A:ALA:HB3	1:456:A:MET:HE1	2	0.11
(1,2385)	1:363:A:ALA:HB3	1:456:A:MET:HE2	2	0.11
(1,2385)	1:363:A:ALA:HB3	1:456:A:MET:HE3	2	0.11
(1,2385)	1:363:A:ALA:HB1	1:456:A:MET:HE1	3	0.11
(1,2385)	1:363:A:ALA:HB1	1:456:A:MET:HE2	3	0.11
(1,2385)	1:363:A:ALA:HB1	1:456:A:MET:HE3	3	0.11
(1,2385)	1:363:A:ALA:HB2	1:456:A:MET:HE1	3	0.11
(1,2385)	1:363:A:ALA:HB2	1:456:A:MET:HE2	3	0.11
(1,2385)	1:363:A:ALA:HB2	1:456:A:MET:HE3	3	0.11
(1,2385)	1:363:A:ALA:HB3	1:456:A:MET:HE1	3	0.11
(1,2385)	1:363:A:ALA:HB3	1:456:A:MET:HE2	3	0.11
(1,2385)	1:363:A:ALA:HB3	1:456:A:MET:HE3	3	0.11
(1,2385)	1:363:A:ALA:HB1	1:456:A:MET:HE1	6	0.11
(1,2385)	1:363:A:ALA:HB1	1:456:A:MET:HE2	6	0.11
(1,2385)	1:363:A:ALA:HB1	1:456:A:MET:HE3	6	0.11
(1,2385)	1:363:A:ALA:HB2	1:456:A:MET:HE1	6	0.11
(1,2385)	1:363:A:ALA:HB2	1:456:A:MET:HE2	6	0.11
(1,2385)	1:363:A:ALA:HB2	1:456:A:MET:HE3	6	0.11
(1,2385)	1:363:A:ALA:HB3	1:456:A:MET:HE1	6	0.11
(1,2385)	1:363:A:ALA:HB3	1:456:A:MET:HE2	6	0.11
(1,2385)	1:363:A:ALA:HB3	1:456:A:MET:HE3	6	0.11
(1,2384)	1:452:A:GLU:HB2	1:453:A:LEU:HA	7	0.11
(1,2384)	1:452:A:GLU:HB2	1:453:A:LEU:HA	11	0.11
(1,2384)	1:452:A:GLU:HB2	1:453:A:LEU:HA	12	0.11
(1,2384)	1:452:A:GLU:HB2	1:453:A:LEU:HA	18	0.11
(1,2384)	1:452:A:GLU:HB2	1:453:A:LEU:HA	19	0.11
(1,2384)	1:452:A:GLU:HB2	1:453:A:LEU:HA	20	0.11
(1,2377)	1:442:A:CYS:HB3	1:439:A:SER:HB3	18	0.11
(1,2348)	1:350:A:GLU:HA	1:350:A:GLU:HG2	12	0.11
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	11	0.11
(1,2195)	1:394:A:LYS:HE3	1:394:A:LYS:HG3	16	0.11
(1,2163)	1:435:A:LYS:HG2	1:435:A:LYS:H	13	0.11
(1,2163)	1:435:A:LYS:HG2	1:435:A:LYS:H	14	0.11
(1,2163)	1:435:A:LYS:HG2	1:435:A:LYS:H	20	0.11
(1,2161)	1:374:A:THR:HA	1:374:A:THR:HB	5	0.11
(1,2151)	1:463:A:VAL:HA	1:463:A:VAL:H	2	0.11
(1,2151)	1:463:A:VAL:HA	1:463:A:VAL:H	5	0.11
(1,2151)	1:463:A:VAL:HA	1:463:A:VAL:H	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2151)	1:463:A:VAL:HA	1:463:A:VAL:H	11	0.11
(1,2127)	1:411:A:MET:HB3	1:411:A:MET:H	13	0.11
(1,2100)	1:451:A:LYS:HB3	1:451:A:LYS:H	10	0.11
(1,2026)	1:414:A:ASP:HB3	1:415:A:TRP:H	1	0.11
(1,2026)	1:414:A:ASP:HB3	1:415:A:TRP:H	15	0.11
(1,1969)	1:424:A:ASP:HB2	1:424:A:ASP:H	8	0.11
(1,1969)	1:424:A:ASP:HB2	1:424:A:ASP:H	14	0.11
(1,1969)	1:424:A:ASP:HB2	1:424:A:ASP:H	20	0.11
(1,1961)	1:362:A:VAL:HB	1:361:A:LYS:HA	9	0.11
(1,1927)	1:401:A:THR:HB	1:401:A:THR:HA	20	0.11
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	8	0.11
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	15	0.11
(1,1884)	1:350:A:GLU:HB3	1:350:A:GLU:HA	16	0.11
(1,1881)	1:457:A:VAL:HA	1:458:A:GLU:HG2	7	0.11
(1,1876)	1:389:A:GLU:HB3	1:389:A:GLU:HG2	7	0.11
(1,1876)	1:389:A:GLU:HB3	1:389:A:GLU:HG2	9	0.11
(1,1866)	1:372:A:LYS:HB2	1:372:A:LYS:HD2	5	0.11
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	6	0.11
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	6	0.11
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	6	0.11
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG21	12	0.11
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG22	12	0.11
(1,1853)	1:362:A:VAL:HB	1:362:A:VAL:HG23	12	0.11
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	2	0.11
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	3	0.11
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	4	0.11
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	6	0.11
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	7	0.11
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	9	0.11
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	11	0.11
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	12	0.11
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	14	0.11
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	15	0.11
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	17	0.11
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	18	0.11
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	19	0.11
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	4	0.11
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	4	0.11
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	4	0.11
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	10	0.11
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	10	0.11
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1817)	1:368:A:ILE:HG21	1:354:A:MET:HB3	18	0.11
(1,1817)	1:368:A:ILE:HG22	1:354:A:MET:HB3	18	0.11
(1,1817)	1:368:A:ILE:HG23	1:354:A:MET:HB3	18	0.11
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	1	0.11
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	1	0.11
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	1	0.11
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	2	0.11
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	2	0.11
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	2	0.11
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	15	0.11
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	15	0.11
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	15	0.11
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	18	0.11
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	18	0.11
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	18	0.11
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG21	19	0.11
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG22	19	0.11
(1,1768)	1:449:A:VAL:HA	1:449:A:VAL:HG23	19	0.11
(1,1713)	1:420:A:ILE:HG21	1:421:A:HIS:H	8	0.11
(1,1713)	1:420:A:ILE:HG22	1:421:A:HIS:H	8	0.11
(1,1713)	1:420:A:ILE:HG23	1:421:A:HIS:H	8	0.11
(1,1640)	1:362:A:VAL:HG11	1:362:A:VAL:H	4	0.11
(1,1640)	1:362:A:VAL:HG12	1:362:A:VAL:H	4	0.11
(1,1640)	1:362:A:VAL:HG13	1:362:A:VAL:H	4	0.11
(1,1640)	1:362:A:VAL:HG11	1:362:A:VAL:H	15	0.11
(1,1640)	1:362:A:VAL:HG12	1:362:A:VAL:H	15	0.11
(1,1640)	1:362:A:VAL:HG13	1:362:A:VAL:H	15	0.11
(1,1634)	1:391:A:ALA:HB1	1:391:A:ALA:H	7	0.11
(1,1634)	1:391:A:ALA:HB2	1:391:A:ALA:H	7	0.11
(1,1634)	1:391:A:ALA:HB3	1:391:A:ALA:H	7	0.11
(1,1634)	1:391:A:ALA:HB1	1:391:A:ALA:H	15	0.11
(1,1634)	1:391:A:ALA:HB2	1:391:A:ALA:H	15	0.11
(1,1634)	1:391:A:ALA:HB3	1:391:A:ALA:H	15	0.11
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	1	0.11
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	1	0.11
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	1	0.11
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	14	0.11
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	14	0.11
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	14	0.11
(1,1629)	1:384:A:VAL:HG21	1:384:A:VAL:HA	19	0.11
(1,1629)	1:384:A:VAL:HG22	1:384:A:VAL:HA	19	0.11
(1,1629)	1:384:A:VAL:HG23	1:384:A:VAL:HA	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1626)	1:339:A:HIS:HB2	1:339:A:HIS:HA	10	0.11
(1,1626)	1:339:A:HIS:HB2	1:339:A:HIS:HA	18	0.11
(1,1624)	1:392:A:THR:HA	1:393:A:LEU:HB3	6	0.11
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	4	0.11
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	4	0.11
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	4	0.11
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	5	0.11
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	5	0.11
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	5	0.11
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG21	8	0.11
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG22	8	0.11
(1,1595)	1:392:A:THR:HA	1:392:A:THR:HG23	8	0.11
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	3	0.11
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	5	0.11
(1,1563)	1:391:A:ALA:HA	1:391:A:ALA:H	16	0.11
(1,1515)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	2	0.11
(1,1515)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	6	0.11
(1,1515)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	7	0.11
(1,1515)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	9	0.11
(1,1515)	1:459:A:LYS:HD3	1:459:A:LYS:HE2	20	0.11
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	1	0.11
(1,1495)	1:379:A:ALA:HB1	1:466:A:PHE:HB3	10	0.11
(1,1495)	1:379:A:ALA:HB2	1:466:A:PHE:HB3	10	0.11
(1,1495)	1:379:A:ALA:HB3	1:466:A:PHE:HB3	10	0.11
(1,1488)	1:372:A:LYS:HB3	1:373:A:PRO:HD2	5	0.11
(1,1478)	1:435:A:LYS:HD3	1:435:A:LYS:HB3	1	0.11
(1,1478)	1:435:A:LYS:HD3	1:435:A:LYS:HB3	12	0.11
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	14	0.11
(1,1380)	1:422:A:ASP:HB2	1:422:A:ASP:H	17	0.11
(1,1379)	1:361:A:LYS:HD2	1:361:A:LYS:H	20	0.11
(1,1355)	1:396:A:THR:HG21	1:400:A:GLY:HA2	7	0.11
(1,1355)	1:396:A:THR:HG22	1:400:A:GLY:HA2	7	0.11
(1,1355)	1:396:A:THR:HG23	1:400:A:GLY:HA2	7	0.11
(1,1320)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	14	0.11
(1,1320)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	14	0.11
(1,1320)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	14	0.11
(1,1311)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	17	0.11
(1,1311)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	18	0.11
(1,1310)	1:364:A:LEU:HA	1:365:A:GLU:H	9	0.11
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	1	0.11
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	4	0.11
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	8	0.11
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	11	0.11
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	12	0.11
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	13	0.11
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	14	0.11
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	16	0.11
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	17	0.11
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	18	0.11
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	19	0.11
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	11	0.11
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	12	0.11
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	13	0.11
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	14	0.11
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	16	0.11
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	17	0.11
(1,1225)	1:388:A:GLU:HB3	1:388:A:GLU:HA	19	0.11
(1,1172)	1:387:A:LYS:HD2	1:387:A:LYS:HE3	17	0.11
(1,1162)	1:390:A:ASP:HB2	1:390:A:ASP:HA	4	0.11
(1,1162)	1:390:A:ASP:HB2	1:390:A:ASP:HA	5	0.11
(1,1162)	1:390:A:ASP:HB2	1:390:A:ASP:HA	12	0.11
(1,1162)	1:390:A:ASP:HB2	1:390:A:ASP:HA	17	0.11
(1,1155)	1:362:A:VAL:HG11	1:362:A:VAL:HA	9	0.11
(1,1155)	1:362:A:VAL:HG12	1:362:A:VAL:HA	9	0.11
(1,1155)	1:362:A:VAL:HG13	1:362:A:VAL:HA	9	0.11
(1,1132)	1:348:A:ASP:HA	1:349:A:LEU:HB3	2	0.11
(1,1132)	1:348:A:ASP:HA	1:349:A:LEU:HB3	9	0.11
(1,1132)	1:348:A:ASP:HA	1:349:A:LEU:HB3	10	0.11
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	4	0.11
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	4	0.11
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	4	0.11
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	6	0.11
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	6	0.11
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	6	0.11
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	8	0.11
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	8	0.11
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	8	0.11
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	10	0.11
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	10	0.11
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	10	0.11
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	11	0.11
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	11	0.11
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	13	0.11
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	13	0.11
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	13	0.11
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	17	0.11
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	17	0.11
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	17	0.11
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	18	0.11
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	18	0.11
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	18	0.11
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	19	0.11
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	19	0.11
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	19	0.11
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	20	0.11
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	20	0.11
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	20	0.11
(1,1122)	1:389:A:GLU:HB2	1:389:A:GLU:HG2	7	0.11
(1,1122)	1:389:A:GLU:HB2	1:389:A:GLU:HG2	18	0.11
(1,1095)	1:428:A:GLU:HB3	1:428:A:GLU:H	2	0.11
(1,1095)	1:428:A:GLU:HB3	1:428:A:GLU:H	17	0.11
(1,1050)	1:420:A:ILE:HG21	1:443:A:ILE:H	12	0.11
(1,1050)	1:420:A:ILE:HG22	1:443:A:ILE:H	12	0.11
(1,1050)	1:420:A:ILE:HG23	1:443:A:ILE:H	12	0.11
(1,1050)	1:420:A:ILE:HG21	1:443:A:ILE:H	16	0.11
(1,1050)	1:420:A:ILE:HG22	1:443:A:ILE:H	16	0.11
(1,1050)	1:420:A:ILE:HG23	1:443:A:ILE:H	16	0.11
(1,1049)	1:374:A:THR:HA	1:374:A:THR:H	10	0.11
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	12	0.11
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	11	0.11
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	8	0.11
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	8	0.11
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	8	0.11
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	8	0.11
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	8	0.11
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	8	0.11
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	8	0.11
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	8	0.11
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	8	0.11
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	12	0.11
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	12	0.11
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	12	0.11
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	12	0.11
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	12	0.11
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	12	0.11
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	12	0.11
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	12	0.11
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	15	0.11
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	15	0.11
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	15	0.11
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	15	0.11
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	15	0.11
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	15	0.11
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	15	0.11
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	15	0.11
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	15	0.11
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	18	0.11
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	18	0.11
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	18	0.11
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	18	0.11
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	18	0.11
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	18	0.11
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	18	0.11
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	18	0.11
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	18	0.11
(1,1008)	1:364:A:LEU:HB2	1:364:A:LEU:H	10	0.11
(1,1008)	1:364:A:LEU:HB2	1:364:A:LEU:H	11	0.11
(1,972)	1:398:A:ASP:HB2	1:399:A:ASP:H	12	0.11
(1,957)	1:420:A:ILE:HG21	1:420:A:ILE:H	16	0.11
(1,957)	1:420:A:ILE:HG22	1:420:A:ILE:H	16	0.11
(1,957)	1:420:A:ILE:HG23	1:420:A:ILE:H	16	0.11
(1,905)	1:458:A:GLU:HA	1:458:A:GLU:HB2	3	0.11
(1,905)	1:458:A:GLU:HA	1:458:A:GLU:HB2	5	0.11
(1,897)	1:434:A:TRP:HA	1:435:A:LYS:HA	7	0.11
(1,897)	1:434:A:TRP:HA	1:435:A:LYS:HA	12	0.11
(1,897)	1:434:A:TRP:HA	1:435:A:LYS:HA	20	0.11
(1,875)	1:461:A:THR:HG21	1:345:A:ILE:H	16	0.11
(1,875)	1:461:A:THR:HG22	1:345:A:ILE:H	16	0.11
(1,875)	1:461:A:THR:HG23	1:345:A:ILE:H	16	0.11
(1,833)	1:404:A:GLU:HB2	1:403:A:TYR:HA	13	0.11
(1,833)	1:404:A:GLU:HB2	1:403:A:TYR:HA	19	0.11
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	18	0.11
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	18	0.11
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	18	0.11
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG21	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG22	19	0.11
(1,795)	1:457:A:VAL:HA	1:457:A:VAL:HG23	19	0.11
(1,792)	1:442:A:CYS:HB3	1:421:A:HIS:HD2	18	0.11
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	7	0.11
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	7	0.11
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	7	0.11
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	7	0.11
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	7	0.11
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	7	0.11
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	7	0.11
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	7	0.11
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	7	0.11
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	13	0.11
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	13	0.11
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	13	0.11
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	13	0.11
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	13	0.11
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	13	0.11
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	13	0.11
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	13	0.11
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	13	0.11
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	17	0.11
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	17	0.11
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	17	0.11
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	17	0.11
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	17	0.11
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	17	0.11
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	17	0.11
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	17	0.11
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	17	0.11
(1,776)	1:358:A:LYS:HA	1:358:A:LYS:HE2	3	0.11
(1,730)	1:404:A:GLU:HA	1:404:A:GLU:HG3	6	0.11
(1,730)	1:404:A:GLU:HA	1:404:A:GLU:HG3	7	0.11
(1,727)	1:401:A:THR:HA	1:402:A:PRO:HB2	4	0.11
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	2	0.11
(1,720)	1:342:A:ASP:HB2	1:344:A:TYR:H	8	0.11
(1,711)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	3	0.11
(1,711)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	4	0.11
(1,711)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	5	0.11
(1,711)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	13	0.11
(1,711)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	14	0.11
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE1	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE2	17	0.11
(1,704)	1:456:A:MET:HA	1:456:A:MET:HE3	17	0.11
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	6	0.11
(1,659)	1:372:A:LYS:HB3	1:372:A:LYS:HG3	18	0.11
(1,651)	1:445:A:THR:HB	1:446:A:PRO:HA	4	0.11
(1,651)	1:445:A:THR:HB	1:446:A:PRO:HA	9	0.11
(1,649)	1:427:A:PRO:HA	1:428:A:GLU:HB2	2	0.11
(1,649)	1:427:A:PRO:HA	1:428:A:GLU:HB2	5	0.11
(1,649)	1:427:A:PRO:HA	1:428:A:GLU:HB2	15	0.11
(1,649)	1:427:A:PRO:HA	1:428:A:GLU:HB2	19	0.11
(1,637)	1:372:A:LYS:HG3	1:372:A:LYS:HE2	20	0.11
(1,635)	1:411:A:MET:HG3	1:411:A:MET:H	6	0.11
(1,613)	1:407:A:VAL:HG21	1:408:A:ASN:H	10	0.11
(1,613)	1:407:A:VAL:HG22	1:408:A:ASN:H	10	0.11
(1,613)	1:407:A:VAL:HG23	1:408:A:ASN:H	10	0.11
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	5	0.11
(1,577)	1:339:A:HIS:HA	1:340:A:MET:H	15	0.11
(1,565)	1:447:A:PRO:HD2	1:446:A:PRO:HB3	19	0.11
(1,561)	1:372:A:LYS:HG2	1:372:A:LYS:HA	2	0.11
(1,561)	1:372:A:LYS:HG2	1:372:A:LYS:HA	12	0.11
(1,561)	1:372:A:LYS:HG2	1:372:A:LYS:HA	17	0.11
(1,549)	1:394:A:LYS:HG2	1:394:A:LYS:HA	10	0.11
(1,549)	1:394:A:LYS:HG2	1:394:A:LYS:HA	20	0.11
(1,533)	1:439:A:SER:HA	1:439:A:SER:H	7	0.11
(1,533)	1:439:A:SER:HA	1:439:A:SER:H	10	0.11
(1,533)	1:439:A:SER:HA	1:439:A:SER:H	11	0.11
(1,533)	1:439:A:SER:HA	1:439:A:SER:H	12	0.11
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	15	0.11
(1,511)	1:446:A:PRO:HB3	1:447:A:PRO:HD2	19	0.11
(1,510)	1:372:A:LYS:HD3	1:372:A:LYS:HG2	7	0.11
(1,458)	1:435:A:LYS:HB3	1:435:A:LYS:HD2	1	0.11
(1,458)	1:435:A:LYS:HB3	1:435:A:LYS:HD2	2	0.11
(1,458)	1:435:A:LYS:HB3	1:435:A:LYS:HD2	4	0.11
(1,458)	1:435:A:LYS:HB3	1:435:A:LYS:HD2	10	0.11
(1,458)	1:435:A:LYS:HB3	1:435:A:LYS:HD2	12	0.11
(1,458)	1:435:A:LYS:HB3	1:435:A:LYS:HD2	14	0.11
(1,458)	1:435:A:LYS:HB3	1:435:A:LYS:HD2	17	0.11
(1,439)	1:437:A:ARG:HD3	1:437:A:ARG:HG3	1	0.11
(1,437)	1:456:A:MET:HB2	1:456:A:MET:HA	12	0.11
(1,411)	1:392:A:THR:HA	1:392:A:THR:HB	2	0.11
(1,411)	1:392:A:THR:HA	1:392:A:THR:HB	4	0.11
(1,411)	1:392:A:THR:HA	1:392:A:THR:HB	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,411)	1:392:A:THR:HA	1:392:A:THR:HB	12	0.11
(1,411)	1:392:A:THR:HA	1:392:A:THR:HB	18	0.11
(1,411)	1:392:A:THR:HA	1:392:A:THR:HB	19	0.11
(1,411)	1:392:A:THR:HA	1:392:A:THR:HB	20	0.11
(1,409)	1:440:A:HIS:HB3	1:440:A:HIS:H	14	0.11
(1,409)	1:440:A:HIS:HB3	1:440:A:HIS:H	15	0.11
(1,395)	1:388:A:GLU:HA	1:388:A:GLU:HG3	2	0.11
(1,395)	1:388:A:GLU:HA	1:388:A:GLU:HG3	10	0.11
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	2	0.11
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	2	0.11
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	2	0.11
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD11	15	0.11
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD12	15	0.11
(1,365)	1:420:A:ILE:HA	1:420:A:ILE:HD13	15	0.11
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	6	0.11
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	10	0.11
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	13	0.11
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	18	0.11
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	15	0.11
(1,351)	1:449:A:VAL:HB	1:450:A:MET:H	19	0.11
(1,328)	1:451:A:LYS:HD2	1:451:A:LYS:H	16	0.11
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	12	0.11
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	12	0.11
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	12	0.11
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	15	0.11
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	15	0.11
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	15	0.11
(1,317)	1:413:A:ILE:HD11	1:413:A:ILE:HB	17	0.11
(1,317)	1:413:A:ILE:HD12	1:413:A:ILE:HB	17	0.11
(1,317)	1:413:A:ILE:HD13	1:413:A:ILE:HB	17	0.11
(1,304)	1:355:A:TRP:HB2	1:356:A:TYR:H	4	0.11
(1,304)	1:355:A:TRP:HB2	1:356:A:TYR:H	5	0.11
(1,304)	1:355:A:TRP:HB2	1:356:A:TYR:H	10	0.11
(1,304)	1:355:A:TRP:HB2	1:356:A:TYR:H	18	0.11
(1,304)	1:355:A:TRP:HB2	1:356:A:TYR:H	19	0.11
(1,299)	1:383:A:TYR:HA	1:383:A:TYR:HB2	1	0.11
(1,294)	1:358:A:LYS:HA	1:358:A:LYS:HD3	1	0.11
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	8	0.11
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	8	0.11
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	8	0.11
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	8	0.11
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	8	0.11
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE1	18	0.11
(1,216)	1:456:A:MET:HE1	1:356:A:TYR:HE2	18	0.11
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE1	18	0.11
(1,216)	1:456:A:MET:HE2	1:356:A:TYR:HE2	18	0.11
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE1	18	0.11
(1,216)	1:456:A:MET:HE3	1:356:A:TYR:HE2	18	0.11
(1,181)	1:451:A:LYS:HE3	1:451:A:LYS:HB3	5	0.11
(1,168)	1:368:A:ILE:HG21	1:367:A:ASP:HA	12	0.11
(1,168)	1:368:A:ILE:HG22	1:367:A:ASP:HA	12	0.11
(1,168)	1:368:A:ILE:HG23	1:367:A:ASP:HA	12	0.11
(1,159)	1:376:A:PRO:HA	1:375:A:THR:H	5	0.11
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	7	0.11
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	9	0.11
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	10	0.11
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	18	0.11
(1,137)	1:340:A:MET:HB3	1:339:A:HIS:HA	19	0.11
(1,109)	1:418:A:VAL:HG11	1:418:A:VAL:H	3	0.11
(1,109)	1:418:A:VAL:HG12	1:418:A:VAL:H	3	0.11
(1,109)	1:418:A:VAL:HG13	1:418:A:VAL:H	3	0.11
(1,109)	1:418:A:VAL:HG11	1:418:A:VAL:H	4	0.11
(1,109)	1:418:A:VAL:HG12	1:418:A:VAL:H	4	0.11
(1,109)	1:418:A:VAL:HG13	1:418:A:VAL:H	4	0.11
(1,7)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	6	0.11
(1,7)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	9	0.11
(1,7)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	10	0.11
(1,7)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	15	0.11
(1,7)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	16	0.11
(1,7)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	20	0.11
(1,4)	1:372:A:LYS:HE3	1:372:A:LYS:HG2	15	0.11
(1,5008)	1:384:A:VAL:H	1:383:A:TYR:HB3	1	0.1
(1,4981)	1:437:A:ARG:H	1:437:A:ARG:HG3	19	0.1
(1,4972)	1:349:A:LEU:H	1:466:A:PHE:H	12	0.1
(1,4960)	1:357:A:TYR:H	1:356:A:TYR:HD1	6	0.1
(1,4960)	1:357:A:TYR:H	1:356:A:TYR:HD2	6	0.1
(1,4950)	1:371:A:GLY:H	1:371:A:GLY:HA3	3	0.1
(1,4950)	1:371:A:GLY:H	1:371:A:GLY:HA3	6	0.1
(1,4950)	1:371:A:GLY:H	1:371:A:GLY:HA3	10	0.1
(1,4950)	1:371:A:GLY:H	1:371:A:GLY:HA3	13	0.1
(1,4950)	1:371:A:GLY:H	1:371:A:GLY:HA3	17	0.1
(1,4950)	1:371:A:GLY:H	1:371:A:GLY:HA3	20	0.1
(1,4913)	1:435:A:LYS:H	1:435:A:LYS:HE2	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4809)	1:448:A:SER:H	1:448:A:SER:HB2	10	0.1
(1,4803)	1:396:A:THR:H	1:395:A:GLY:H	8	0.1
(1,4779)	1:436:A:THR:H	1:435:A:LYS:H	13	0.1
(1,4762)	1:444:A:ASN:H	1:368:A:ILE:HB	3	0.1
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD11	1	0.1
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD12	1	0.1
(1,4689)	1:385:A:TRP:HE1	1:413:A:ILE:HD13	1	0.1
(1,4674)	1:357:A:TYR:H	1:357:A:TYR:HA	2	0.1
(1,4674)	1:357:A:TYR:H	1:357:A:TYR:HA	3	0.1
(1,4674)	1:357:A:TYR:H	1:357:A:TYR:HA	6	0.1
(1,4674)	1:357:A:TYR:H	1:357:A:TYR:HA	7	0.1
(1,4674)	1:357:A:TYR:H	1:357:A:TYR:HA	10	0.1
(1,4674)	1:357:A:TYR:H	1:357:A:TYR:HA	15	0.1
(1,4674)	1:357:A:TYR:H	1:357:A:TYR:HA	16	0.1
(1,4674)	1:357:A:TYR:H	1:357:A:TYR:HA	17	0.1
(1,4674)	1:357:A:TYR:H	1:357:A:TYR:HA	19	0.1
(1,4601)	1:451:A:LYS:H	1:451:A:LYS:HG2	16	0.1
(1,4571)	1:389:A:GLU:H	1:389:A:GLU:HB2	4	0.1
(1,4571)	1:389:A:GLU:H	1:389:A:GLU:HB2	11	0.1
(1,4571)	1:389:A:GLU:H	1:389:A:GLU:HB2	18	0.1
(1,4561)	1:343:A:THR:H	1:343:A:THR:HA	6	0.1
(1,4561)	1:343:A:THR:H	1:343:A:THR:HA	18	0.1
(1,4561)	1:343:A:THR:H	1:343:A:THR:HA	19	0.1
(1,4492)	1:397:A:ASN:H	1:401:A:THR:H	17	0.1
(1,4481)	1:350:A:GLU:H	1:350:A:GLU:HB2	6	0.1
(1,4472)	1:448:A:SER:H	1:446:A:PRO:HB2	13	0.1
(1,4427)	1:466:A:PHE:H	1:349:A:LEU:H	14	0.1
(1,4415)	1:367:A:ASP:H	1:446:A:PRO:HG2	18	0.1
(1,4404)	1:417:A:GLY:H	1:417:A:GLY:HA2	11	0.1
(1,4389)	1:463:A:VAL:H	1:382:A:PHE:H	15	0.1
(1,4376)	1:426:A:GLN:H	1:427:A:PRO:HA	11	0.1
(1,4364)	1:408:A:ASN:HD22	1:408:A:ASN:HD21	7	0.1
(1,4337)	1:448:A:SER:H	1:448:A:SER:HB3	5	0.1
(1,4329)	1:393:A:LEU:H	1:404:A:GLU:HG2	14	0.1
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG21	4	0.1
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG22	4	0.1
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG23	4	0.1
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG21	5	0.1
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG22	5	0.1
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG23	5	0.1
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG21	10	0.1
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG22	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4311)	1:416:A:THR:H	1:416:A:THR:HG23	10	0.1
(1,4308)	1:451:A:LYS:H	1:450:A:MET:H	9	0.1
(1,4274)	1:408:A:ASN:HD21	1:408:A:ASN:HD22	7	0.1
(1,4261)	1:460:A:GLY:H	1:461:A:THR:H	14	0.1
(1,4257)	1:352:A:GLN:H	1:352:A:GLN:HA	18	0.1
(1,4237)	1:423:A:SER:H	1:450:A:MET:HB2	9	0.1
(1,4232)	1:350:A:GLU:H	1:351:A:ASN:HB2	20	0.1
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD21	1	0.1
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD22	1	0.1
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD23	1	0.1
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD21	8	0.1
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD22	8	0.1
(1,4212)	1:394:A:LYS:H	1:393:A:LEU:HD23	8	0.1
(1,4160)	1:433:A:LEU:H	1:432:A:ASP:H	17	0.1
(1,4160)	1:433:A:LEU:H	1:432:A:ASP:H	20	0.1
(1,4149)	1:400:A:GLY:H	1:396:A:THR:HA	1	0.1
(1,4149)	1:400:A:GLY:H	1:396:A:THR:HA	8	0.1
(1,4146)	1:410:A:TRP:HE1	1:410:A:TRP:HB2	18	0.1
(1,4138)	1:374:A:THR:H	1:372:A:LYS:HD2	15	0.1
(1,4120)	1:421:A:HIS:H	1:421:A:HIS:HA	3	0.1
(1,4120)	1:421:A:HIS:H	1:421:A:HIS:HA	15	0.1
(1,4120)	1:421:A:HIS:H	1:421:A:HIS:HA	16	0.1
(1,4115)	1:432:A:ASP:H	1:434:A:TRP:H	1	0.1
(1,4115)	1:432:A:ASP:H	1:434:A:TRP:H	6	0.1
(1,4112)	1:437:A:ARG:H	1:435:A:LYS:HA	13	0.1
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	2	0.1
(1,4100)	1:460:A:GLY:H	1:460:A:GLY:HA3	5	0.1
(1,4096)	1:445:A:THR:H	1:445:A:THR:HB	20	0.1
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	9	0.1
(1,4082)	1:459:A:LYS:H	1:459:A:LYS:HB3	13	0.1
(1,4060)	1:432:A:ASP:H	1:433:A:LEU:H	17	0.1
(1,4060)	1:432:A:ASP:H	1:433:A:LEU:H	20	0.1
(1,4046)	1:348:A:ASP:H	1:348:A:ASP:HB3	4	0.1
(1,4015)	1:395:A:GLY:H	1:396:A:THR:H	8	0.1
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD11	14	0.1
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD12	14	0.1
(1,3979)	1:407:A:VAL:H	1:393:A:LEU:HD13	14	0.1
(1,3967)	1:356:A:TYR:H	1:355:A:TRP:HA	1	0.1
(1,3967)	1:356:A:TYR:H	1:355:A:TRP:HA	7	0.1
(1,3967)	1:356:A:TYR:H	1:355:A:TRP:HA	17	0.1
(1,3904)	1:344:A:TYR:HD1	1:344:A:TYR:HB2	17	0.1
(1,3904)	1:344:A:TYR:HD2	1:344:A:TYR:HB2	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG11	16	0.1
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG12	16	0.1
(1,3866)	1:410:A:TRP:HZ3	1:407:A:VAL:HG13	16	0.1
(1,3858)	1:434:A:TRP:HZ2	1:435:A:LYS:HD2	8	0.1
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD11	18	0.1
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD12	18	0.1
(1,3841)	1:382:A:PHE:HD1	1:413:A:ILE:HD13	18	0.1
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD11	18	0.1
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD12	18	0.1
(1,3841)	1:382:A:PHE:HD2	1:413:A:ILE:HD13	18	0.1
(1,3818)	1:357:A:TYR:HE1	1:346:A:GLU:HA	5	0.1
(1,3818)	1:357:A:TYR:HE2	1:346:A:GLU:HA	5	0.1
(1,3798)	1:466:A:PHE:HD1	1:464:A:LEU:HG	7	0.1
(1,3798)	1:466:A:PHE:HD2	1:464:A:LEU:HG	7	0.1
(1,3753)	1:403:A:TYR:HE1	1:395:A:GLY:HA3	6	0.1
(1,3753)	1:403:A:TYR:HE2	1:395:A:GLY:HA3	6	0.1
(1,3681)	1:429:A:TYR:HD1	1:429:A:TYR:HB2	7	0.1
(1,3681)	1:429:A:TYR:HD2	1:429:A:TYR:HB2	7	0.1
(1,3681)	1:429:A:TYR:HD1	1:429:A:TYR:HB2	8	0.1
(1,3681)	1:429:A:TYR:HD2	1:429:A:TYR:HB2	8	0.1
(1,3608)	1:357:A:TYR:HE1	1:357:A:TYR:HA	12	0.1
(1,3608)	1:357:A:TYR:HE2	1:357:A:TYR:HA	12	0.1
(1,3586)	1:466:A:PHE:HE1	1:348:A:ASP:HB2	5	0.1
(1,3586)	1:466:A:PHE:HE2	1:348:A:ASP:HB2	5	0.1
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD1	2	0.1
(1,3572)	1:355:A:TRP:HD1	1:357:A:TYR:HD2	2	0.1
(1,3547)	1:382:A:PHE:HD1	1:382:A:PHE:HB3	5	0.1
(1,3547)	1:382:A:PHE:HD2	1:382:A:PHE:HB3	5	0.1
(1,3547)	1:382:A:PHE:HD1	1:382:A:PHE:HB3	9	0.1
(1,3547)	1:382:A:PHE:HD2	1:382:A:PHE:HB3	9	0.1
(1,3526)	1:357:A:TYR:HD1	1:355:A:TRP:HB2	2	0.1
(1,3526)	1:357:A:TYR:HD2	1:355:A:TRP:HB2	2	0.1
(1,3526)	1:357:A:TYR:HD1	1:355:A:TRP:HB2	12	0.1
(1,3526)	1:357:A:TYR:HD2	1:355:A:TRP:HB2	12	0.1
(1,3525)	1:355:A:TRP:HE3	1:354:A:MET:HA	9	0.1
(1,3464)	1:437:A:ARG:HD2	1:437:A:ARG:HG2	4	0.1
(1,3464)	1:437:A:ARG:HD2	1:437:A:ARG:HG2	8	0.1
(1,3419)	1:422:A:ASP:HA	1:423:A:SER:HB3	14	0.1
(1,3370)	1:446:A:PRO:HA	1:447:A:PRO:HD2	1	0.1
(1,3370)	1:446:A:PRO:HA	1:447:A:PRO:HD2	12	0.1
(1,3370)	1:446:A:PRO:HA	1:447:A:PRO:HD2	19	0.1
(1,3351)	1:340:A:MET:HB3	1:340:A:MET:HA	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3346)	1:387:A:LYS:HB3	1:388:A:GLU:H	11	0.1
(1,3317)	1:416:A:THR:HB	1:416:A:THR:H	6	0.1
(1,3317)	1:416:A:THR:HB	1:416:A:THR:H	12	0.1
(1,3317)	1:416:A:THR:HB	1:416:A:THR:H	14	0.1
(1,3317)	1:416:A:THR:HB	1:416:A:THR:H	15	0.1
(1,3317)	1:416:A:THR:HB	1:416:A:THR:H	17	0.1
(1,3223)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	7	0.1
(1,3223)	1:373:A:PRO:HD3	1:372:A:LYS:HB2	10	0.1
(1,3190)	1:414:A:ASP:HA	1:413:A:ILE:HA	16	0.1
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	1	0.1
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	5	0.1
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	9	0.1
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	12	0.1
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	14	0.1
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	17	0.1
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	18	0.1
(1,3148)	1:376:A:PRO:HG2	1:376:A:PRO:HB2	20	0.1
(1,3104)	1:463:A:VAL:HG11	1:463:A:VAL:H	8	0.1
(1,3104)	1:463:A:VAL:HG12	1:463:A:VAL:H	8	0.1
(1,3104)	1:463:A:VAL:HG13	1:463:A:VAL:H	8	0.1
(1,3104)	1:463:A:VAL:HG11	1:463:A:VAL:H	15	0.1
(1,3104)	1:463:A:VAL:HG12	1:463:A:VAL:H	15	0.1
(1,3104)	1:463:A:VAL:HG13	1:463:A:VAL:H	15	0.1
(1,3094)	1:397:A:ASN:HB2	1:397:A:ASN:HA	9	0.1
(1,3085)	1:399:A:ASP:HA	1:399:A:ASP:HB3	19	0.1
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	7	0.1
(1,3019)	1:462:A:PRO:HG2	1:462:A:PRO:HB3	13	0.1
(1,2999)	1:416:A:THR:HA	1:416:A:THR:HB	2	0.1
(1,2994)	1:433:A:LEU:HA	1:433:A:LEU:H	1	0.1
(1,2994)	1:433:A:LEU:HA	1:433:A:LEU:H	14	0.1
(1,2994)	1:433:A:LEU:HA	1:433:A:LEU:H	16	0.1
(1,2994)	1:433:A:LEU:HA	1:433:A:LEU:H	18	0.1
(1,2875)	1:390:A:ASP:HA	1:390:A:ASP:HB2	15	0.1
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD11	8	0.1
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD12	8	0.1
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD13	8	0.1
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD11	17	0.1
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD12	17	0.1
(1,2873)	1:443:A:ILE:HA	1:443:A:ILE:HD13	17	0.1
(1,2835)	1:361:A:LYS:HE2	1:361:A:LYS:HA	5	0.1
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	7	0.1
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	7	0.1
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	12	0.1
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	12	0.1
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	12	0.1
(1,2817)	1:443:A:ILE:HG21	1:444:A:ASN:H	13	0.1
(1,2817)	1:443:A:ILE:HG22	1:444:A:ASN:H	13	0.1
(1,2817)	1:443:A:ILE:HG23	1:444:A:ASN:H	13	0.1
(1,2789)	1:402:A:PRO:HD2	1:402:A:PRO:HA	15	0.1
(1,2778)	1:341:A:GLU:HB2	1:341:A:GLU:HA	13	0.1
(1,2748)	1:394:A:LYS:HG2	1:395:A:GLY:H	8	0.1
(1,2747)	1:341:A:GLU:HG3	1:341:A:GLU:HA	9	0.1
(1,2733)	1:456:A:MET:HE1	1:364:A:LEU:HG	19	0.1
(1,2733)	1:456:A:MET:HE2	1:364:A:LEU:HG	19	0.1
(1,2733)	1:456:A:MET:HE3	1:364:A:LEU:HG	19	0.1
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	2	0.1
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	2	0.1
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	2	0.1
(1,2681)	1:418:A:VAL:HG21	1:418:A:VAL:H	13	0.1
(1,2681)	1:418:A:VAL:HG22	1:418:A:VAL:H	13	0.1
(1,2681)	1:418:A:VAL:HG23	1:418:A:VAL:H	13	0.1
(1,2645)	1:416:A:THR:HB	1:416:A:THR:HA	2	0.1
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	1	0.1
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	5	0.1
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	9	0.1
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	12	0.1
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	14	0.1
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	17	0.1
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	18	0.1
(1,2560)	1:376:A:PRO:HB2	1:376:A:PRO:HG2	20	0.1
(1,2510)	1:403:A:TYR:HB3	1:403:A:TYR:H	5	0.1
(1,2488)	1:350:A:GLU:HG2	1:350:A:GLU:HA	14	0.1
(1,2483)	1:459:A:LYS:HD2	1:459:A:LYS:HG2	3	0.1
(1,2384)	1:452:A:GLU:HB2	1:453:A:LEU:HA	3	0.1
(1,2384)	1:452:A:GLU:HB2	1:453:A:LEU:HA	6	0.1
(1,2384)	1:452:A:GLU:HB2	1:453:A:LEU:HA	14	0.1
(1,2283)	1:372:A:LYS:HG3	1:372:A:LYS:H	11	0.1
(1,2220)	1:394:A:LYS:HB2	1:394:A:LYS:HA	15	0.1
(1,2163)	1:435:A:LYS:HG2	1:435:A:LYS:H	15	0.1
(1,2161)	1:374:A:THR:HA	1:374:A:THR:HB	1	0.1
(1,2161)	1:374:A:THR:HA	1:374:A:THR:HB	6	0.1
(1,2161)	1:374:A:THR:HA	1:374:A:THR:HB	10	0.1
(1,2151)	1:463:A:VAL:HA	1:463:A:VAL:H	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2151)	1:463:A:VAL:HA	1:463:A:VAL:H	14	0.1
(1,2151)	1:463:A:VAL:HA	1:463:A:VAL:H	16	0.1
(1,2127)	1:411:A:MET:HB3	1:411:A:MET:H	6	0.1
(1,2127)	1:411:A:MET:HB3	1:411:A:MET:H	18	0.1
(1,2113)	1:362:A:VAL:HA	1:362:A:VAL:H	4	0.1
(1,2083)	1:405:A:SER:HB2	1:393:A:LEU:HD11	5	0.1
(1,2083)	1:405:A:SER:HB2	1:393:A:LEU:HD12	5	0.1
(1,2083)	1:405:A:SER:HB2	1:393:A:LEU:HD13	5	0.1
(1,2026)	1:414:A:ASP:HB3	1:415:A:TRP:H	7	0.1
(1,1993)	1:390:A:ASP:HB2	1:390:A:ASP:H	8	0.1
(1,1970)	1:359:A:ASP:HB3	1:360:A:GLY:H	17	0.1
(1,1904)	1:373:A:PRO:HA	1:373:A:PRO:HG3	20	0.1
(1,1901)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	1	0.1
(1,1901)	1:389:A:GLU:HB2	1:389:A:GLU:HG3	13	0.1
(1,1863)	1:387:A:LYS:HE3	1:387:A:LYS:HB2	5	0.1
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	5	0.1
(1,1846)	1:451:A:LYS:HG2	1:451:A:LYS:HD2	10	0.1
(1,1821)	1:404:A:GLU:HA	1:404:A:GLU:H	11	0.1
(1,1821)	1:404:A:GLU:HA	1:404:A:GLU:H	17	0.1
(1,1795)	1:386:A:ASN:HA	1:386:A:ASN:HB3	13	0.1
(1,1713)	1:420:A:ILE:HG21	1:421:A:HIS:H	14	0.1
(1,1713)	1:420:A:ILE:HG22	1:421:A:HIS:H	14	0.1
(1,1713)	1:420:A:ILE:HG23	1:421:A:HIS:H	14	0.1
(1,1642)	1:402:A:PRO:HG3	1:402:A:PRO:HB3	20	0.1
(1,1638)	1:360:A:GLY:HA2	1:361:A:LYS:HB2	6	0.1
(1,1634)	1:391:A:ALA:HB1	1:391:A:ALA:H	9	0.1
(1,1634)	1:391:A:ALA:HB2	1:391:A:ALA:H	9	0.1
(1,1634)	1:391:A:ALA:HB3	1:391:A:ALA:H	9	0.1
(1,1634)	1:391:A:ALA:HB1	1:391:A:ALA:H	13	0.1
(1,1634)	1:391:A:ALA:HB2	1:391:A:ALA:H	13	0.1
(1,1634)	1:391:A:ALA:HB3	1:391:A:ALA:H	13	0.1
(1,1634)	1:391:A:ALA:HB1	1:391:A:ALA:H	17	0.1
(1,1634)	1:391:A:ALA:HB2	1:391:A:ALA:H	17	0.1
(1,1634)	1:391:A:ALA:HB3	1:391:A:ALA:H	17	0.1
(1,1630)	1:363:A:ALA:HA	1:363:A:ALA:HB1	6	0.1
(1,1630)	1:363:A:ALA:HA	1:363:A:ALA:HB2	6	0.1
(1,1630)	1:363:A:ALA:HA	1:363:A:ALA:HB3	6	0.1
(1,1630)	1:363:A:ALA:HA	1:363:A:ALA:HB1	7	0.1
(1,1630)	1:363:A:ALA:HA	1:363:A:ALA:HB2	7	0.1
(1,1630)	1:363:A:ALA:HA	1:363:A:ALA:HB3	7	0.1
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	10	0.1
(1,1498)	1:451:A:LYS:HA	1:451:A:LYS:HD3	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1495)	1:379:A:ALA:HB1	1:466:A:PHE:HB3	8	0.1
(1,1495)	1:379:A:ALA:HB2	1:466:A:PHE:HB3	8	0.1
(1,1495)	1:379:A:ALA:HB3	1:466:A:PHE:HB3	8	0.1
(1,1456)	1:459:A:LYS:HB2	1:459:A:LYS:HD3	13	0.1
(1,1355)	1:396:A:THR:HG21	1:400:A:GLY:HA2	11	0.1
(1,1355)	1:396:A:THR:HG22	1:400:A:GLY:HA2	11	0.1
(1,1355)	1:396:A:THR:HG23	1:400:A:GLY:HA2	11	0.1
(1,1349)	1:341:A:GLU:HA	1:341:A:GLU:HB2	13	0.1
(1,1320)	1:413:A:ILE:HD11	1:382:A:PHE:HB2	1	0.1
(1,1320)	1:413:A:ILE:HD12	1:382:A:PHE:HB2	1	0.1
(1,1320)	1:413:A:ILE:HD13	1:382:A:PHE:HB2	1	0.1
(1,1311)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	4	0.1
(1,1311)	1:437:A:ARG:HG2	1:437:A:ARG:HD2	8	0.1
(1,1294)	1:372:A:LYS:HA	1:373:A:PRO:HB3	15	0.1
(1,1289)	1:358:A:LYS:HG2	1:358:A:LYS:HA	2	0.1
(1,1251)	1:463:A:VAL:HG11	1:463:A:VAL:HB	17	0.1
(1,1251)	1:463:A:VAL:HG12	1:463:A:VAL:HB	17	0.1
(1,1251)	1:463:A:VAL:HG13	1:463:A:VAL:HB	17	0.1
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	2	0.1
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	3	0.1
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	6	0.1
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	7	0.1
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	9	0.1
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	10	0.1
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	15	0.1
(1,1228)	1:375:A:THR:HA	1:375:A:THR:H	20	0.1
(1,1163)	1:415:A:TRP:HB2	1:415:A:TRP:HD1	6	0.1
(1,1163)	1:415:A:TRP:HB2	1:415:A:TRP:HD1	19	0.1
(1,1162)	1:390:A:ASP:HB2	1:390:A:ASP:HA	15	0.1
(1,1132)	1:348:A:ASP:HA	1:349:A:LEU:HB3	11	0.1
(1,1132)	1:348:A:ASP:HA	1:349:A:LEU:HB3	15	0.1
(1,1132)	1:348:A:ASP:HA	1:349:A:LEU:HB3	17	0.1
(1,1129)	1:420:A:ILE:HG21	1:420:A:ILE:HG12	16	0.1
(1,1129)	1:420:A:ILE:HG22	1:420:A:ILE:HG12	16	0.1
(1,1129)	1:420:A:ILE:HG23	1:420:A:ILE:HG12	16	0.1
(1,1095)	1:428:A:GLU:HB3	1:428:A:GLU:H	11	0.1
(1,1034)	1:339:A:HIS:HB3	1:339:A:HIS:HD2	18	0.1
(1,1024)	1:428:A:GLU:HG2	1:428:A:GLU:H	20	0.1
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	19	0.1
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	19	0.1
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	19	0.1
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	19	0.1
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	19	0.1
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	19	0.1
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	19	0.1
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	19	0.1
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG11	20	0.1
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG12	20	0.1
(1,1018)	1:407:A:VAL:HG21	1:407:A:VAL:HG13	20	0.1
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG11	20	0.1
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG12	20	0.1
(1,1018)	1:407:A:VAL:HG22	1:407:A:VAL:HG13	20	0.1
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG11	20	0.1
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG12	20	0.1
(1,1018)	1:407:A:VAL:HG23	1:407:A:VAL:HG13	20	0.1
(1,1008)	1:364:A:LEU:HB2	1:364:A:LEU:H	6	0.1
(1,905)	1:458:A:GLU:HA	1:458:A:GLU:HB2	2	0.1
(1,897)	1:434:A:TRP:HA	1:435:A:LYS:HA	9	0.1
(1,875)	1:461:A:THR:HG21	1:345:A:ILE:H	2	0.1
(1,875)	1:461:A:THR:HG22	1:345:A:ILE:H	2	0.1
(1,875)	1:461:A:THR:HG23	1:345:A:ILE:H	2	0.1
(1,843)	1:389:A:GLU:HG2	1:389:A:GLU:HA	18	0.1
(1,792)	1:442:A:CYS:HB3	1:421:A:HIS:HD2	1	0.1
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD11	10	0.1
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD12	10	0.1
(1,787)	1:457:A:VAL:HG11	1:453:A:LEU:HD13	10	0.1
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD11	10	0.1
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD12	10	0.1
(1,787)	1:457:A:VAL:HG12	1:453:A:LEU:HD13	10	0.1
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD11	10	0.1
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD12	10	0.1
(1,787)	1:457:A:VAL:HG13	1:453:A:LEU:HD13	10	0.1
(1,758)	1:339:A:HIS:HB3	1:339:A:HIS:HA	16	0.1
(1,743)	1:389:A:GLU:HG3	1:389:A:GLU:H	8	0.1
(1,724)	1:340:A:MET:HG2	1:340:A:MET:HA	7	0.1
(1,711)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	12	0.1
(1,711)	1:459:A:LYS:HD3	1:459:A:LYS:HG3	20	0.1
(1,677)	1:350:A:GLU:HB2	1:350:A:GLU:HG3	19	0.1
(1,651)	1:445:A:THR:HB	1:446:A:PRO:HA	7	0.1
(1,649)	1:427:A:PRO:HA	1:428:A:GLU:HB2	9	0.1
(1,649)	1:427:A:PRO:HA	1:428:A:GLU:HB2	11	0.1
(1,635)	1:411:A:MET:HG3	1:411:A:MET:H	5	0.1
(1,616)	1:346:A:GLU:HB3	1:346:A:GLU:HG2	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:372:A:LYS:HG2	1:372:A:LYS:HA	1	0.1
(1,561)	1:372:A:LYS:HG2	1:372:A:LYS:HA	9	0.1
(1,550)	1:463:A:VAL:HG11	1:463:A:VAL:HA	13	0.1
(1,550)	1:463:A:VAL:HG12	1:463:A:VAL:HA	13	0.1
(1,550)	1:463:A:VAL:HG13	1:463:A:VAL:HA	13	0.1
(1,550)	1:463:A:VAL:HG11	1:463:A:VAL:HA	20	0.1
(1,550)	1:463:A:VAL:HG12	1:463:A:VAL:HA	20	0.1
(1,550)	1:463:A:VAL:HG13	1:463:A:VAL:HA	20	0.1
(1,533)	1:439:A:SER:HA	1:439:A:SER:H	8	0.1
(1,532)	1:459:A:LYS:HG2	1:459:A:LYS:HD2	3	0.1
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	5	0.1
(1,522)	1:341:A:GLU:HA	1:340:A:MET:HB3	18	0.1
(1,510)	1:372:A:LYS:HD3	1:372:A:LYS:HG2	3	0.1
(1,509)	1:462:A:PRO:HG3	1:462:A:PRO:HD2	1	0.1
(1,509)	1:462:A:PRO:HG3	1:462:A:PRO:HD2	14	0.1
(1,458)	1:435:A:LYS:HB3	1:435:A:LYS:HD2	13	0.1
(1,445)	1:398:A:ASP:HB3	1:398:A:ASP:HA	8	0.1
(1,411)	1:392:A:THR:HA	1:392:A:THR:HB	1	0.1
(1,411)	1:392:A:THR:HA	1:392:A:THR:HB	6	0.1
(1,411)	1:392:A:THR:HA	1:392:A:THR:HB	7	0.1
(1,411)	1:392:A:THR:HA	1:392:A:THR:HB	8	0.1
(1,411)	1:392:A:THR:HA	1:392:A:THR:HB	11	0.1
(1,411)	1:392:A:THR:HA	1:392:A:THR:HB	13	0.1
(1,411)	1:392:A:THR:HA	1:392:A:THR:HB	15	0.1
(1,411)	1:392:A:THR:HA	1:392:A:THR:HB	17	0.1
(1,409)	1:440:A:HIS:HB3	1:440:A:HIS:H	5	0.1
(1,409)	1:440:A:HIS:HB3	1:440:A:HIS:H	12	0.1
(1,409)	1:440:A:HIS:HB3	1:440:A:HIS:H	18	0.1
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	11	0.1
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	14	0.1
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	16	0.1
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	17	0.1
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	19	0.1
(1,358)	1:425:A:TRP:HA	1:425:A:TRP:HB2	20	0.1
(1,348)	1:399:A:ASP:HA	1:399:A:ASP:H	1	0.1
(1,348)	1:399:A:ASP:HA	1:399:A:ASP:H	6	0.1
(1,348)	1:399:A:ASP:HA	1:399:A:ASP:H	7	0.1
(1,348)	1:399:A:ASP:HA	1:399:A:ASP:H	20	0.1
(1,304)	1:355:A:TRP:HB2	1:356:A:TYR:H	11	0.1
(1,304)	1:355:A:TRP:HB2	1:356:A:TYR:H	15	0.1
(1,299)	1:383:A:TYR:HA	1:383:A:TYR:HB2	14	0.1
(1,288)	1:443:A:ILE:HG13	1:444:A:ASN:H	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:387:A:LYS:HB2	1:387:A:LYS:HD3	13	0.1
(1,159)	1:376:A:PRO:HA	1:375:A:THR:H	1	0.1
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	3	0.1
(1,65)	1:423:A:SER:HB2	1:423:A:SER:H	13	0.1
(1,14)	1:388:A:GLU:HA	1:388:A:GLU:HG2	20	0.1
(1,7)	1:378:A:PRO:HB2	1:378:A:PRO:HD2	18	0.1

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

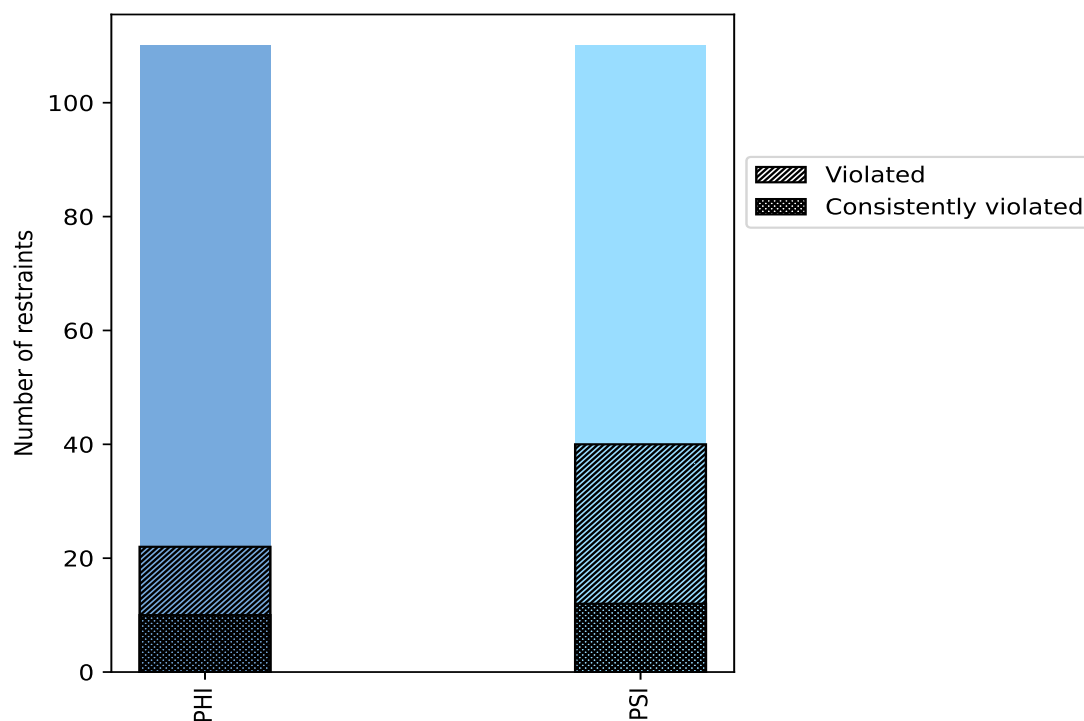
10.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PHI	110	50.0	22	20.0	10.0	10	9.1	4.5
PSI	110	50.0	40	36.4	18.2	12	10.9	5.5
Total	220	100.0	62	28.2	28.2	22	10.0	10.0

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

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



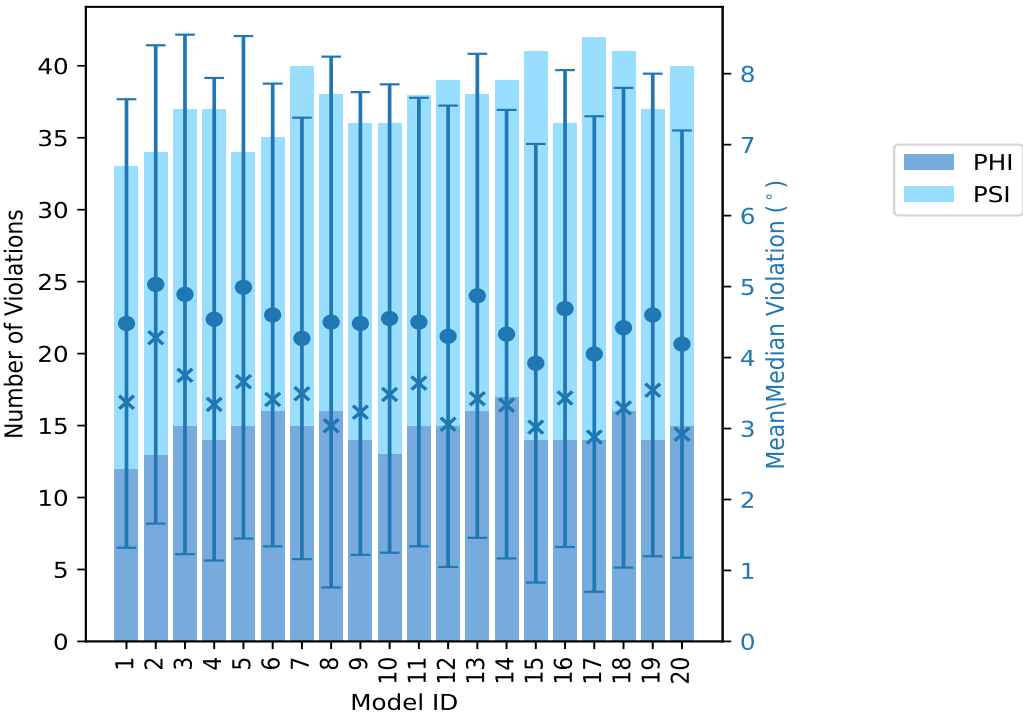
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	Total				
1	12	21	33	4.48	13.62	3.16	3.37
2	13	21	34	5.03	14.78	3.37	4.28
3	15	22	37	4.89	15.6	3.66	3.75
4	14	23	37	4.54	14.24	3.4	3.34
5	15	19	34	4.99	14.96	3.54	3.66
6	16	19	35	4.6	15.86	3.26	3.41
7	15	25	40	4.27	13.78	3.11	3.49
8	16	22	38	4.5	15.11	3.74	3.04
9	14	22	36	4.48	14.37	3.26	3.23
10	13	23	36	4.55	14.93	3.3	3.48
11	15	23	38	4.5	16.56	3.16	3.64
12	15	24	39	4.3	14.93	3.25	3.06
13	16	22	38	4.87	15.49	3.41	3.42
14	17	22	39	4.33	13.54	3.16	3.33
15	14	27	41	3.92	15.1	3.09	3.02
16	14	22	36	4.69	13.82	3.36	3.43
17	14	28	42	4.05	15.68	3.35	2.88
18	16	25	41	4.42	14.1	3.38	3.29
19	14	23	37	4.6	15.04	3.4	3.54
20	15	25	40	4.19	13.41	3.01	2.92

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



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

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

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

Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count ¹	%
0	9	9	1	5.0
2	1	3	2	10.0
2	0	2	3	15.0
1	3	4	4	20.0
0	1	1	5	25.0
1	1	2	6	30.0
3	1	4	7	35.0
0	0	0	8	40.0
0	1	1	9	45.0
0	0	0	10	50.0
0	4	4	11	55.0

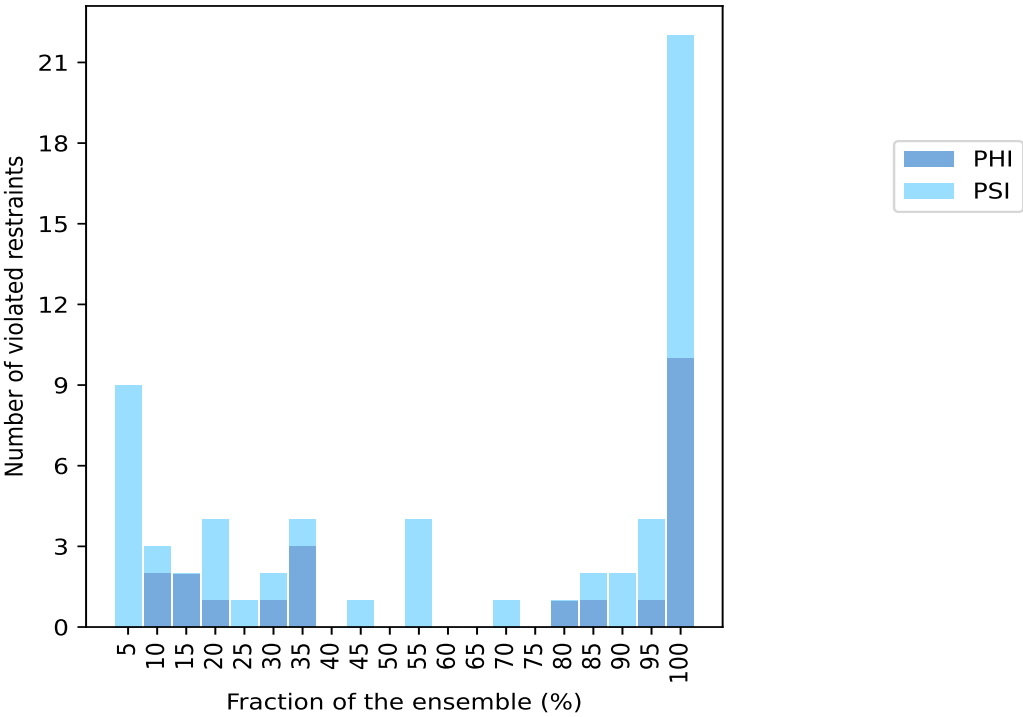
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Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count ¹	%
0	0	0	12	60.0
0	0	0	13	65.0
0	1	1	14	70.0
0	0	0	15	75.0
1	0	1	16	80.0
1	1	2	17	85.0
0	2	2	18	90.0
1	3	4	19	95.0
10	12	22	20	100.0

¹ Number of models with violations

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

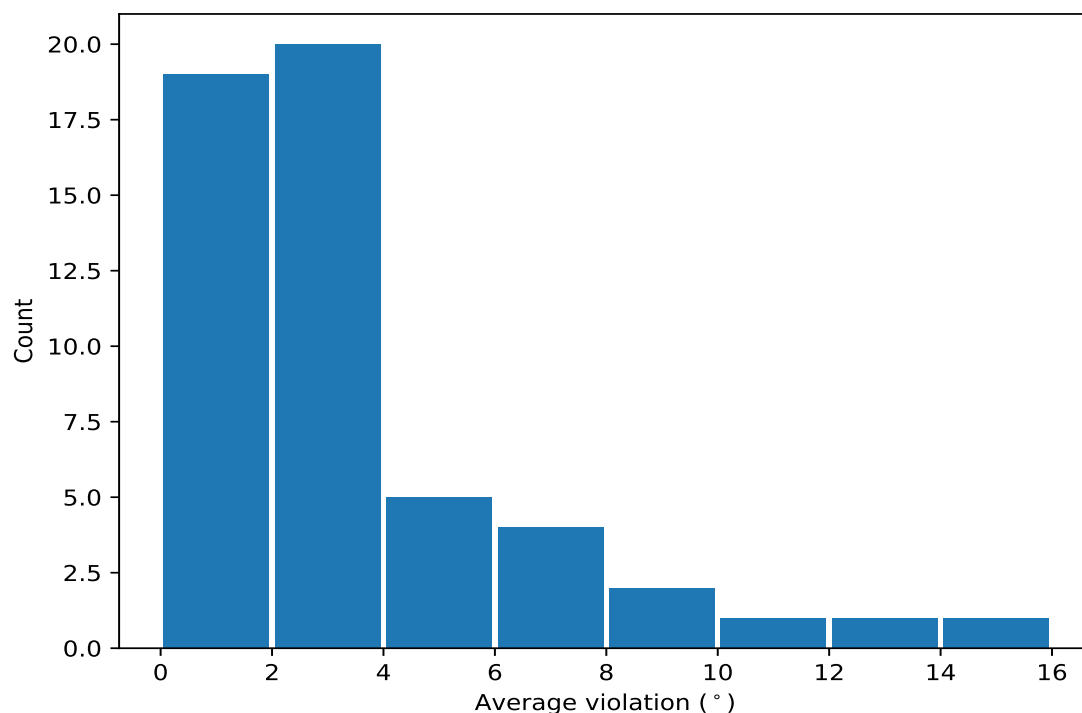


10.4 Most violated dihedral-angle restraints in the ensemble ⓘ

10.4.1 Histogram : Distribution of mean dihedral-angle violations ⓘ

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

in the ensemble



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

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	20	14.55	0.89	14.34
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	20	13.41	1.08	13.11
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	20	11.34	1.59	11.0
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	20	8.74	1.68	8.64
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	20	8.12	0.38	8.23
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	20	7.42	0.52	7.34
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	20	7.25	0.71	7.33
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	20	7.15	0.41	7.16
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	20	5.43	0.91	5.58
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	20	4.93	0.85	4.56
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	20	4.61	0.84	4.72
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	20	4.61	0.73	4.62
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	20	4.07	1.0	3.9
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	20	3.86	0.58	3.94
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	20	3.78	0.88	3.58
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	20	3.68	0.55	3.42
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	20	3.56	0.92	3.35
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	20	3.16	0.8	3.27
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	20	2.92	0.44	2.88
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	20	2.56	0.67	2.47

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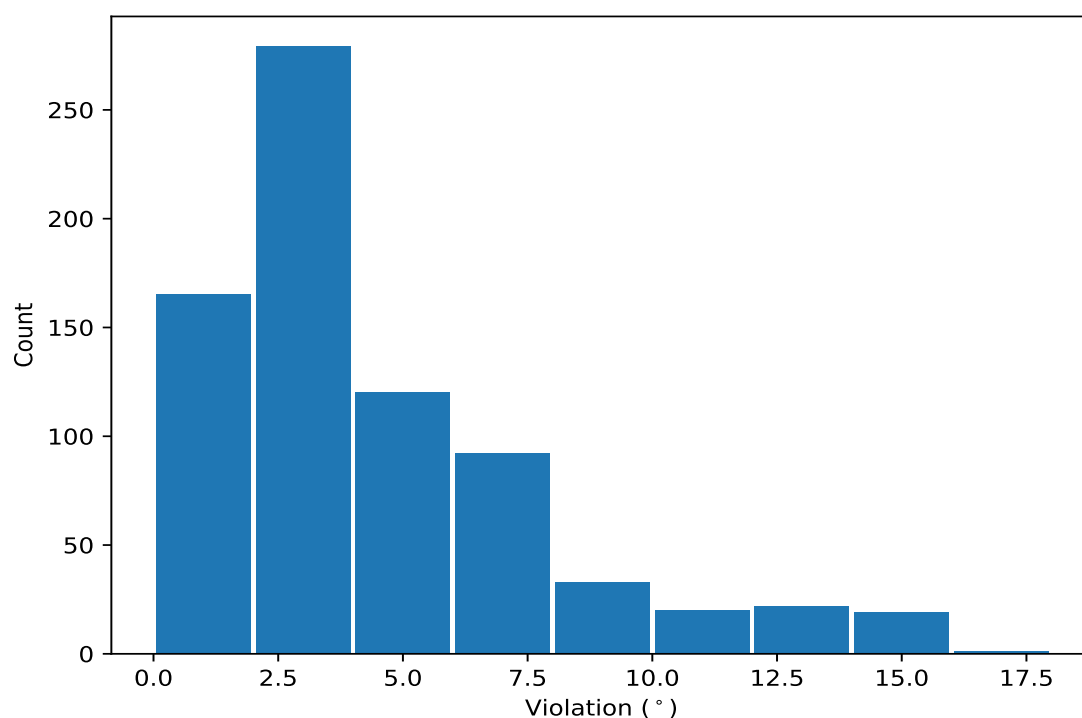
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	20	2.46	1.54	1.74
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	20	2.22	0.18	2.2
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	19	6.65	1.9	7.32
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	19	3.16	1.12	3.3
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	19	2.36	0.49	2.39
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	19	1.98	0.28	1.97
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	18	3.64	1.65	3.19
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	18	3.08	0.91	3.04
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	17	2.72	0.95	2.93
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	17	2.38	0.55	2.22
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	16	2.1	0.65	1.87
(1,170)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	14	2.04	0.73	1.82
(1,96)	1:394:A:LYS:N	1:394:A:LYS:CA	1:394:A:LYS:C	1:395:A:GLY:N	11	1.95	0.49	2.15
(1,122)	1:409:A:TYR:N	1:409:A:TYR:CA	1:409:A:TYR:C	1:410:A:TRP:N	11	1.64	0.91	1.32
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	11	1.61	0.39	1.7
(1,90)	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	1:392:A:THR:N	11	1.58	0.36	1.44
(1,112)	1:403:A:TYR:N	1:403:A:TYR:CA	1:403:A:TYR:C	1:404:A:GLU:N	9	2.13	0.57	2.27
(1,89)	1:390:A:ASP:C	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	7	2.87	0.34	2.74
(1,60)	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	1:373:A:PRO:N	7	1.96	0.93	1.71
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	7	1.91	0.6	1.68
(1,33)	1:357:A:TYR:C	1:358:A:LYS:N	1:358:A:LYS:CA	1:358:A:LYS:C	7	1.76	0.24	1.84
(1,135)	1:417:A:GLY:C	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	6	1.93	0.66	1.72
(1,6)	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	1:345:A:ILE:N	6	1.57	0.37	1.39
(1,172)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	5	1.4	0.31	1.26
(1,41)	1:361:A:LYS:C	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	4	2.34	0.26	2.41
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	4	1.98	0.5	1.98
(1,152)	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	1:430:A:GLY:N	4	1.69	0.46	1.63
(1,86)	1:388:A:GLU:N	1:388:A:GLU:CA	1:388:A:GLU:C	1:389:A:GLU:N	4	1.36	0.39	1.18
(1,115)	1:404:A:GLU:C	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	3	1.88	0.2	1.89
(1,151)	1:428:A:GLU:C	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	3	1.13	0.05	1.11
(1,203)	1:456:A:MET:C	1:457:A:VAL:N	1:457:A:VAL:CA	1:457:A:VAL:C	2	1.9	0.71	1.9
(1,147)	1:425:A:TRP:C	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	2	1.32	0.05	1.32
(1,8)	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	1:346:A:GLU:N	2	1.1	0.04	1.1

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

10.5 All violated dihedral-angle restraints ⓘ

10.5.1 Histogram : Distribution of violations ⓘ

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



10.5.2 Table: All violated dihedral-angle restraints [i](#)

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	11	16.56
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	6	15.86
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	17	15.68
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	3	15.6
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	13	15.49
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	8	15.11
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	15	15.1
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	13	15.09
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	19	15.04
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	5	14.96
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	10	14.93
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	12	14.93
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	3	14.92
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	5	14.9
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	2	14.78
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	9	14.37
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	8	14.31
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	4	14.24
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	18	14.1
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	8	14.06
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	18	13.99

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	19	13.96
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	2	13.95
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	4	13.82
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	16	13.82
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	7	13.78
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	18	13.74
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	1	13.62
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	12	13.57
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	14	13.54
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	14	13.48
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	20	13.41
(1,58)	1:371:A:GLY:N	1:371:A:GLY:CA	1:371:A:GLY:C	1:372:A:LYS:N	20	13.17
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	9	13.15
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	3	13.07
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	7	12.87
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	6	12.78
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	16	12.77
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	10	12.76
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	15	12.69
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	4	12.63
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	17	12.2
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	1	11.86
(1,2)	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1:343:A:THR:N	11	11.84
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	9	11.45
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	17	11.41
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	5	11.35
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	2	11.23
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	8	11.21
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	13	11.1
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	5	11.08
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	16	11.05
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	10	11.03
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	13	11.0
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	6	10.96
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	16	10.78
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	11	10.72
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	3	10.66
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	7	10.44
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	14	10.35
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	12	10.28
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	19	10.03
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	1	9.93
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1	9.64
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	15	9.59
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	17	9.54
(1,157)	1:431:A:GLY:C	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	20	9.53
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	10	9.25
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	19	8.99
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	16	8.95
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	4	8.78
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	4	8.67

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	18	8.5
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	7	8.5
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	15	8.48
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	19	8.48
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	1	8.47
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	16	8.47
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	19	8.45
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	2	8.44
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	14	8.41
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	3	8.4
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	8	8.4
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	5	8.38
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	6	8.35
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	2	8.28
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	7	8.27
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	11	8.24
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	14	8.19
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	12	8.15
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	12	8.13
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	18	8.05
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	16	8.05
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	9	8.04
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	13	8.01
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	10	7.98
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	17	7.98
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	5	7.95
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	17	7.94
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	9	7.93
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	20	7.9
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	2	7.87
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	16	7.84
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	20	7.8
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	18	7.8
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	18	7.76
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	19	7.74
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	3	7.71
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	7	7.7
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	20	7.7
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	18	7.69
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	14	7.69
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	2	7.69
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	20	7.68
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	3	7.68
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	12	7.67
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	20	7.67
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	2	7.62
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	11	7.58
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	4	7.58
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	15	7.51
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	6	7.5
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	14	7.49

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	19	7.44
(1,158)	1:432:A:ASP:N	1:432:A:ASP:CA	1:432:A:ASP:C	1:433:A:LEU:N	10	7.4
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	8	7.39
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	6	7.38
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	10	7.35
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	8	7.34
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	10	7.34
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	12	7.33
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	4	7.32
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	4	7.32
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	17	7.32
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	9	7.3
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	18	7.3
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	9	7.29
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	5	7.21
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	13	7.19
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	8	7.17
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	15	7.17
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	16	7.17
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	19	7.17
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	13	7.16
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	9	7.14
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	17	7.14
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	12	7.12
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	3	7.1
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	13	7.08
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1	7.06
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	11	7.03
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	20	7.03
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	14	7.02
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	8	7.0
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	2	6.85
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	7	6.82
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	3	6.81
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	10	6.8
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	14	6.79
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	15	6.75
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	6	6.73
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	5	6.72
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	6	6.72
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	11	6.7
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	15	6.68
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	2	6.62
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	1	6.62
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	13	6.57
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	12	6.57
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	8	6.56
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	17	6.53
(1,159)	1:432:A:ASP:C	1:433:A:LEU:N	1:433:A:LEU:CA	1:433:A:LEU:C	1	6.49
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	5	6.45
(1,153)	1:429:A:TYR:C	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	7	6.45

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	5	6.35
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	11	6.35
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	11	6.33
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	3	6.33
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	7	6.32
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	4	6.22
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	1	6.18
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	17	6.18
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	13	6.17
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	6	6.15
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1	6.11
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	18	6.08
(1,142)	1:423:A:SER:N	1:423:A:SER:CA	1:423:A:SER:C	1:424:A:ASP:N	9	6.06
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	2	5.99
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	12	5.98
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	8	5.98
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	9	5.97
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	4	5.97
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	16	5.93
(1,49)	1:365:A:GLU:C	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	7	5.88
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	6	5.82
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	19	5.82
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	5	5.82
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	13	5.82
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	19	5.65
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	10	5.63
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	3	5.61
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	20	5.58
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	14	5.55
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	19	5.53
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	7	5.51
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	14	5.51
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	18	5.49
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	3	5.47
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	13	5.44
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	11	5.44
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	9	5.43
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	12	5.29
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	13	5.27
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	18	5.25
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	4	5.17
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	14	5.16
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	3	5.15
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	13	5.15
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	2	5.14
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	13	5.08
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	10	5.04
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	11	5.02
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	2	4.93
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	6	4.92
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	11	4.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	5	4.9
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	4	4.87
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	7	4.87
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	11	4.86
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	14	4.86
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	10	4.85
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	16	4.85
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	2	4.84
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	3	4.84
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	17	4.83
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	5	4.83
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	10	4.83
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	1	4.82
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	5	4.81
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	11	4.8
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	14	4.77
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	7	4.76
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	19	4.73
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	12	4.72
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	3	4.68
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	7	4.65
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	19	4.64
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	20	4.63
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	16	4.62
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	7	4.61
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	17	4.61
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	9	4.56
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	13	4.55
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	2	4.55
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	4	4.51
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	19	4.49
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	2	4.49
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	15	4.47
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	17	4.46
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	16	4.44
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	7	4.44
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	15	4.44
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	14	4.43
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	7	4.43
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	8	4.4
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	20	4.38
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	6	4.37
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	6	4.36
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	9	4.36
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	5	4.36
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	15	4.35
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	3	4.35
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	2	4.35
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	9	4.35
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	1	4.34
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	11	4.32

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	11	4.31
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	16	4.31
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	20	4.31
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	12	4.3
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	9	4.28
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	17	4.26
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	8	4.26
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	6	4.24
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	14	4.23
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	18	4.22
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	1	4.22
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	13	4.22
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	18	4.22
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	2	4.21
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	3	4.18
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	15	4.17
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	12	4.16
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	16	4.16
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	15	4.14
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	15	4.13
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	3	4.13
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	15	4.12
(1,60)	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	1:373:A:PRO:N	11	4.1
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	4	4.09
(1,206)	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1:459:A:LYS:N	10	4.06
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	4	4.04
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	9	4.03
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	15	4.03
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	13	4.02
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	6	4.01
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	12	4.01
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	7	3.97
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	6	3.95
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	10	3.95
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	12	3.94
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	20	3.94
(1,143)	1:423:A:SER:C	1:424:A:ASP:N	1:424:A:ASP:CA	1:424:A:ASP:C	4	3.93
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	2	3.93
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	19	3.93
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	15	3.9
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	18	3.88
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	5	3.88
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	14	3.86
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	4	3.86
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	11	3.84
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	5	3.84
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	11	3.82
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	20	3.82
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	12	3.81
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	1	3.8
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	16	3.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	2	3.8
(1,170)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	17	3.79
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	2	3.78
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	17	3.78
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	3	3.75
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	19	3.73
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	9	3.72
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	8	3.72
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	18	3.72
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	20	3.69
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	19	3.67
(1,89)	1:390:A:ASP:C	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	18	3.67
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	4	3.62
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	17	3.62
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	7	3.61
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	16	3.61
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	20	3.58
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	7	3.57
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	18	3.55
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	10	3.55
(1,122)	1:409:A:TYR:N	1:409:A:TYR:CA	1:409:A:TYR:C	1:410:A:TRP:N	13	3.54
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	6	3.54
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	19	3.54
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	15	3.53
(1,122)	1:409:A:TYR:N	1:409:A:TYR:CA	1:409:A:TYR:C	1:410:A:TRP:N	10	3.53
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	10	3.5
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	8	3.49
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	18	3.49
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	5	3.49
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	16	3.48
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	1	3.46
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	11	3.46
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	8	3.46
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	10	3.45
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	5	3.44
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	12	3.43
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	1	3.42
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	6	3.41
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	7	3.41
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	2	3.41
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	8	3.4
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	5	3.39
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	14	3.39
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	16	3.38
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	10	3.38
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	1	3.37
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	10	3.36
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	1	3.35
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	9	3.34
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	4	3.34
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	14	3.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	7	3.34
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	14	3.33
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	11	3.32
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	18	3.32
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	1	3.32
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	13	3.31
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	3	3.31
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	3	3.3
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	5	3.29
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	6	3.29
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	3	3.29
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	18	3.29
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	6	3.28
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	12	3.28
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	15	3.27
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	18	3.27
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	17	3.26
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	13	3.25
(1,112)	1:403:A:TYR:N	1:403:A:TYR:CA	1:403:A:TYR:C	1:404:A:GLU:N	13	3.23
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	13	3.22
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	14	3.2
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	10	3.19
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	4	3.18
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	20	3.18
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	18	3.16
(1,170)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	3	3.13
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	3	3.12
(1,135)	1:417:A:GLY:C	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	9	3.12
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	13	3.11
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	11	3.1
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	19	3.1
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	19	3.09
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	8	3.09
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	3	3.09
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	19	3.09
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	4	3.08
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	4	3.07
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	8	3.06
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	12	3.06
(1,100)	1:397:A:ASN:N	1:397:A:ASN:CA	1:397:A:ASN:C	1:398:A:ASP:N	1	3.05
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	5	3.04
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	16	3.04
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	15	3.03
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	8	3.02
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	15	3.02
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	20	3.0
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	13	3.0
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	17	3.0
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	16	2.99
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	18	2.99
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	9	2.98

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,48)	1:365:A:GLU:N	1:365:A:GLU:CA	1:365:A:GLU:C	1:366:A:THR:N	9	2.98
(1,202)	1:456:A:MET:N	1:456:A:MET:CA	1:456:A:MET:C	1:457:A:VAL:N	11	2.96
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	3	2.96
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	17	2.94
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	20	2.93
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	15	2.92
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	20	2.92
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	9	2.91
(1,89)	1:390:A:ASP:C	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	17	2.91
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	1	2.91
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	10	2.9
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	1	2.9
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	20	2.89
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	3	2.88
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	16	2.87
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	8	2.86
(1,89)	1:390:A:ASP:C	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	13	2.86
(1,4)	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	1:344:A:TYR:N	17	2.86
(1,170)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	16	2.85
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	17	2.84
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	8	2.84
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	20	2.83
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	4	2.83
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	14	2.82
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	11	2.81
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	14	2.8
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	2	2.78
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	19	2.78
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	16	2.78
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	12	2.78
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	16	2.77
(1,168)	1:437:A:ARG:N	1:437:A:ARG:CA	1:437:A:ARG:C	1:438:A:GLY:N	10	2.76
(1,89)	1:390:A:ASP:C	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	20	2.74
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	11	2.74
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	9	2.74
(1,89)	1:390:A:ASP:C	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	11	2.71
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	6	2.7
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	12	2.7
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	2	2.69
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	13	2.68
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	5	2.68
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	5	2.67
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	14	2.65
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	6	2.65
(1,203)	1:456:A:MET:C	1:457:A:VAL:N	1:457:A:VAL:CA	1:457:A:VAL:C	6	2.61
(1,89)	1:390:A:ASP:C	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	10	2.6
(1,89)	1:390:A:ASP:C	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	12	2.6
(1,41)	1:361:A:LYS:C	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	6	2.6
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	5	2.58
(1,96)	1:394:A:LYS:N	1:394:A:LYS:CA	1:394:A:LYS:C	1:395:A:GLY:N	2	2.56
(1,96)	1:394:A:LYS:N	1:394:A:LYS:CA	1:394:A:LYS:C	1:395:A:GLY:N	5	2.56

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	13	2.56
(1,41)	1:361:A:LYS:C	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	7	2.56
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	6	2.55
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	18	2.55
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	18	2.55
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	4	2.55
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	12	2.54
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	20	2.54
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	7	2.54
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	14	2.53
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	4	2.53
(1,55)	1:369:A:VAL:C	1:370:A:SER:N	1:370:A:SER:CA	1:370:A:SER:C	6	2.53
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	16	2.52
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	13	2.5
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	9	2.49
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	6	2.47
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	12	2.46
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	2	2.45
(1,170)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	2	2.45
(1,112)	1:403:A:TYR:N	1:403:A:TYR:CA	1:403:A:TYR:C	1:404:A:GLU:N	11	2.45
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	11	2.45
(1,135)	1:417:A:GLY:C	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	11	2.43
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	19	2.42
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	14	2.42
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	14	2.42
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	13	2.41
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	9	2.4
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	7	2.39
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	20	2.39
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	12	2.39
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	7	2.39
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	18	2.38
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	1	2.37
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	15	2.37
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	15	2.37
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	15	2.36
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	18	2.36
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	17	2.35
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	8	2.35
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	7	2.33
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	17	2.33
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	8	2.32
(1,132)	1:415:A:TRP:N	1:415:A:TRP:CA	1:415:A:TRP:C	1:416:A:THR:N	12	2.32
(1,108)	1:401:A:THR:N	1:401:A:THR:CA	1:401:A:THR:C	1:402:A:PRO:N	17	2.32
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	13	2.32
(1,112)	1:403:A:TYR:N	1:403:A:TYR:CA	1:403:A:TYR:C	1:404:A:GLU:N	10	2.31
(1,96)	1:394:A:LYS:N	1:394:A:LYS:CA	1:394:A:LYS:C	1:395:A:GLY:N	19	2.31
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	12	2.31
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	16	2.31
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	13	2.3
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	17	2.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,96)	1:394:A:LYS:N	1:394:A:LYS:CA	1:394:A:LYS:C	1:395:A:GLY:N	18	2.29
(1,6)	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	1:345:A:ILE:N	12	2.29
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	17	2.28
(1,152)	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	1:430:A:GLY:N	8	2.28
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	6	2.28
(1,112)	1:403:A:TYR:N	1:403:A:TYR:CA	1:403:A:TYR:C	1:404:A:GLU:N	19	2.28
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	20	2.28
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	18	2.27
(1,112)	1:403:A:TYR:N	1:403:A:TYR:CA	1:403:A:TYR:C	1:404:A:GLU:N	20	2.27
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	2	2.25
(1,41)	1:361:A:LYS:C	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	12	2.25
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	8	2.24
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	6	2.24
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	7	2.24
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	19	2.22
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	1	2.22
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	4	2.22
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	20	2.22
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	20	2.21
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	1	2.21
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	3	2.2
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	9	2.19
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	20	2.17
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	16	2.17
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	9	2.17
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	11	2.16
(1,90)	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	1:392:A:THR:N	20	2.16
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	9	2.16
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	6	2.15
(1,96)	1:394:A:LYS:N	1:394:A:LYS:CA	1:394:A:LYS:C	1:395:A:GLY:N	16	2.15
(1,96)	1:394:A:LYS:N	1:394:A:LYS:CA	1:394:A:LYS:C	1:395:A:GLY:N	20	2.15
(1,90)	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	1:392:A:THR:N	18	2.15
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	12	2.14
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	15	2.14
(1,33)	1:357:A:TYR:C	1:358:A:LYS:N	1:358:A:LYS:CA	1:358:A:LYS:C	16	2.14
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	5	2.13
(1,115)	1:404:A:GLU:C	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	5	2.12
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	11	2.11
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	15	2.11
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	14	2.1
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	4	2.1
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	8	2.1
(1,60)	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	1:373:A:PRO:N	20	2.1
(1,112)	1:403:A:TYR:N	1:403:A:TYR:CA	1:403:A:TYR:C	1:404:A:GLU:N	5	2.07
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	18	2.06
(1,170)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	14	2.05
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	7	2.05
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	10	2.04
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	19	2.04
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	5	2.04
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	12	2.03

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,86)	1:388:A:GLU:N	1:388:A:GLU:CA	1:388:A:GLU:C	1:389:A:GLU:N	18	2.02
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	16	2.01
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	4	2.0
(1,170)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	4	2.0
(1,152)	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	1:430:A:GLY:N	4	1.99
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	5	1.99
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	11	1.99
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	15	1.98
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	17	1.98
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	3	1.97
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	9	1.96
(1,41)	1:361:A:LYS:C	1:362:A:VAL:N	1:362:A:VAL:CA	1:362:A:VAL:C	8	1.96
(1,33)	1:357:A:TYR:C	1:358:A:LYS:N	1:358:A:LYS:CA	1:358:A:LYS:C	13	1.96
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	10	1.95
(1,92)	1:392:A:THR:N	1:392:A:THR:CA	1:392:A:THR:C	1:393:A:LEU:N	3	1.94
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	1	1.94
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	7	1.93
(1,96)	1:394:A:LYS:N	1:394:A:LYS:CA	1:394:A:LYS:C	1:395:A:GLY:N	7	1.93
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	15	1.92
(1,112)	1:403:A:TYR:N	1:403:A:TYR:CA	1:403:A:TYR:C	1:404:A:GLU:N	18	1.91
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	3	1.91
(1,59)	1:371:A:GLY:C	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	5	1.91
(1,172)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	9	1.9
(1,219)	1:464:A:LEU:C	1:465:A:VAL:N	1:465:A:VAL:CA	1:465:A:VAL:C	13	1.89
(1,170)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	18	1.89
(1,115)	1:404:A:GLU:C	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	6	1.89
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	7	1.89
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	19	1.88
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	11	1.88
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	17	1.88
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	15	1.88
(1,33)	1:357:A:TYR:C	1:358:A:LYS:N	1:358:A:LYS:CA	1:358:A:LYS:C	8	1.88
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	10	1.87
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	19	1.87
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	20	1.86
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	10	1.86
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	8	1.85
(1,33)	1:357:A:TYR:C	1:358:A:LYS:N	1:358:A:LYS:CA	1:358:A:LYS:C	7	1.84
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	8	1.83
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	11	1.83
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	4	1.83
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	9	1.83
(1,60)	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	1:373:A:PRO:N	13	1.83
(1,90)	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	1:392:A:THR:N	8	1.82
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	1	1.81
(1,90)	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	1:392:A:THR:N	9	1.81
(1,135)	1:417:A:GLY:C	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	14	1.79
(1,6)	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	1:345:A:ILE:N	6	1.79
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	2	1.77
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	13	1.76
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	6	1.76

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,170)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	19	1.75
(1,90)	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	1:392:A:THR:N	11	1.74
(1,118)	1:406:A:PRO:N	1:406:A:PRO:CA	1:406:A:PRO:C	1:407:A:VAL:N	10	1.72
(1,60)	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	1:373:A:PRO:N	6	1.71
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	16	1.71
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	4	1.7
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	12	1.7
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	15	1.7
(1,50)	1:366:A:THR:N	1:366:A:THR:CA	1:366:A:THR:C	1:367:A:ASP:N	17	1.68
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	8	1.68
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	19	1.66
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	2	1.66
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	1	1.65
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	2	1.65
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	13	1.64
(1,135)	1:417:A:GLY:C	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	3	1.64
(1,115)	1:404:A:GLU:C	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	15	1.64
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	14	1.63
(1,96)	1:394:A:LYS:N	1:394:A:LYS:CA	1:394:A:LYS:C	1:395:A:GLY:N	4	1.63
(1,172)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	4	1.62
(1,33)	1:357:A:TYR:C	1:358:A:LYS:N	1:358:A:LYS:CA	1:358:A:LYS:C	11	1.62
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	8	1.61
(1,18)	1:350:A:GLU:N	1:350:A:GLU:CA	1:350:A:GLU:C	1:351:A:ASN:N	15	1.61
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	14	1.58
(1,170)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	1	1.58
(1,148)	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	1:427:A:PRO:N	1	1.58
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	10	1.58
(1,134)	1:416:A:THR:N	1:416:A:THR:CA	1:416:A:THR:C	1:417:A:GLY:N	12	1.57
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	4	1.56
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	20	1.56
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	14	1.56
(1,112)	1:403:A:TYR:N	1:403:A:TYR:CA	1:403:A:TYR:C	1:404:A:GLU:N	17	1.55
(1,60)	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	1:373:A:PRO:N	15	1.55
(1,170)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	15	1.54
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	19	1.54
(1,122)	1:409:A:TYR:N	1:409:A:TYR:CA	1:409:A:TYR:C	1:410:A:TRP:N	18	1.53
(1,126)	1:411:A:MET:N	1:411:A:MET:CA	1:411:A:MET:C	1:412:A:PRO:N	18	1.51
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	6	1.51
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	10	1.5
(1,28)	1:355:A:TRP:N	1:355:A:TRP:CA	1:355:A:TRP:C	1:356:A:TYR:N	14	1.5
(1,6)	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	1:345:A:ILE:N	7	1.49
(1,122)	1:409:A:TYR:N	1:409:A:TYR:CA	1:409:A:TYR:C	1:410:A:TRP:N	15	1.47
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	20	1.46
(1,154)	1:430:A:GLY:N	1:430:A:GLY:CA	1:430:A:GLY:C	1:431:A:GLY:N	19	1.46
(1,33)	1:357:A:TYR:C	1:358:A:LYS:N	1:358:A:LYS:CA	1:358:A:LYS:C	20	1.46
(1,170)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	20	1.45
(1,66)	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	1:376:A:PRO:N	10	1.45
(1,135)	1:417:A:GLY:C	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	16	1.44
(1,90)	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	1:392:A:THR:N	1	1.44
(1,33)	1:357:A:TYR:C	1:358:A:LYS:N	1:358:A:LYS:CA	1:358:A:LYS:C	14	1.44
(1,170)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	9	1.43

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,170)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	5	1.42
(1,96)	1:394:A:LYS:N	1:394:A:LYS:CA	1:394:A:LYS:C	1:395:A:GLY:N	13	1.42
(1,90)	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	1:392:A:THR:N	2	1.42
(1,60)	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	1:373:A:PRO:N	17	1.42
(1,14)	1:348:A:ASP:N	1:348:A:ASP:CA	1:348:A:ASP:C	1:349:A:LEU:N	15	1.41
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	17	1.4
(1,96)	1:394:A:LYS:N	1:394:A:LYS:CA	1:394:A:LYS:C	1:395:A:GLY:N	14	1.4
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	18	1.39
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	14	1.38
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	18	1.38
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	12	1.37
(1,147)	1:425:A:TRP:C	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	18	1.36
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	8	1.36
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	17	1.36
(1,122)	1:409:A:TYR:N	1:409:A:TYR:CA	1:409:A:TYR:C	1:410:A:TRP:N	8	1.35
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	11	1.34
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	12	1.33
(1,104)	1:399:A:ASP:N	1:399:A:ASP:CA	1:399:A:ASP:C	1:400:A:GLY:N	7	1.33
(1,149)	1:427:A:PRO:C	1:428:A:GLU:N	1:428:A:GLU:CA	1:428:A:GLU:C	3	1.32
(1,122)	1:409:A:TYR:N	1:409:A:TYR:CA	1:409:A:TYR:C	1:410:A:TRP:N	17	1.32
(1,90)	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	1:392:A:THR:N	15	1.31
(1,6)	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	1:345:A:ILE:N	15	1.29
(1,6)	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	1:345:A:ILE:N	2	1.28
(1,6)	1:344:A:TYR:N	1:344:A:TYR:CA	1:344:A:TYR:C	1:345:A:ILE:N	19	1.28
(1,152)	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	1:430:A:GLY:N	17	1.27
(1,147)	1:425:A:TRP:C	1:426:A:GLN:N	1:426:A:GLN:CA	1:426:A:GLN:C	19	1.27
(1,172)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	17	1.26
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	15	1.25
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	16	1.25
(1,86)	1:388:A:GLU:N	1:388:A:GLU:CA	1:388:A:GLU:C	1:389:A:GLU:N	15	1.24
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	9	1.23
(1,152)	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	1:430:A:GLY:N	10	1.22
(1,40)	1:361:A:LYS:N	1:361:A:LYS:CA	1:361:A:LYS:C	1:362:A:VAL:N	12	1.21
(1,3)	1:342:A:ASP:C	1:343:A:THR:N	1:343:A:THR:CA	1:343:A:THR:C	2	1.21
(1,151)	1:428:A:GLU:C	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	3	1.2
(1,90)	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	1:392:A:THR:N	16	1.2
(1,205)	1:457:A:VAL:C	1:458:A:GLU:N	1:458:A:GLU:CA	1:458:A:GLU:C	18	1.19
(1,203)	1:456:A:MET:C	1:457:A:VAL:N	1:457:A:VAL:CA	1:457:A:VAL:C	5	1.19
(1,170)	1:438:A:GLY:N	1:438:A:GLY:CA	1:438:A:GLY:C	1:439:A:SER:N	7	1.17
(1,90)	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	1:392:A:THR:N	17	1.17
(1,172)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	11	1.16
(1,135)	1:417:A:GLY:C	1:418:A:VAL:N	1:418:A:VAL:CA	1:418:A:VAL:C	19	1.16
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	1	1.15
(1,90)	1:391:A:ALA:N	1:391:A:ALA:CA	1:391:A:ALA:C	1:392:A:THR:N	7	1.14
(1,22)	1:352:A:GLN:N	1:352:A:GLN:CA	1:352:A:GLN:C	1:353:A:HIS:N	14	1.14
(1,8)	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	1:346:A:GLU:N	17	1.14
(1,86)	1:388:A:GLU:N	1:388:A:GLU:CA	1:388:A:GLU:C	1:389:A:GLU:N	9	1.12
(1,151)	1:428:A:GLU:C	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	14	1.11
(1,129)	1:413:A:ILE:C	1:414:A:ASP:N	1:414:A:ASP:CA	1:414:A:ASP:C	7	1.11
(1,122)	1:409:A:TYR:N	1:409:A:TYR:CA	1:409:A:TYR:C	1:410:A:TRP:N	20	1.11
(1,1)	1:341:A:GLU:C	1:342:A:ASP:N	1:342:A:ASP:CA	1:342:A:ASP:C	4	1.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,172)	1:439:A:SER:N	1:439:A:SER:CA	1:439:A:SER:C	1:440:A:HIS:N	3	1.08
(1,151)	1:428:A:GLU:C	1:429:A:TYR:N	1:429:A:TYR:CA	1:429:A:TYR:C	4	1.08
(1,122)	1:409:A:TYR:N	1:409:A:TYR:CA	1:409:A:TYR:C	1:410:A:TRP:N	7	1.08
(1,122)	1:409:A:TYR:N	1:409:A:TYR:CA	1:409:A:TYR:C	1:410:A:TRP:N	3	1.06
(1,112)	1:403:A:TYR:N	1:403:A:TYR:CA	1:403:A:TYR:C	1:404:A:GLU:N	16	1.06
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	8	1.06
(1,65)	1:374:A:THR:C	1:375:A:THR:N	1:375:A:THR:CA	1:375:A:THR:C	3	1.06
(1,116)	1:405:A:SER:N	1:405:A:SER:CA	1:405:A:SER:C	1:406:A:PRO:N	17	1.05
(1,8)	1:345:A:ILE:N	1:345:A:ILE:CA	1:345:A:ILE:C	1:346:A:GLU:N	12	1.05
(1,86)	1:388:A:GLU:N	1:388:A:GLU:CA	1:388:A:GLU:C	1:389:A:GLU:N	8	1.04
(1,122)	1:409:A:TYR:N	1:409:A:TYR:CA	1:409:A:TYR:C	1:410:A:TRP:N	9	1.02
(1,96)	1:394:A:LYS:N	1:394:A:LYS:CA	1:394:A:LYS:C	1:395:A:GLY:N	17	1.02
(1,60)	1:372:A:LYS:N	1:372:A:LYS:CA	1:372:A:LYS:C	1:373:A:PRO:N	7	1.02
(1,210)	1:460:A:GLY:N	1:460:A:GLY:CA	1:460:A:GLY:C	1:461:A:THR:N	10	1.01
(1,122)	1:409:A:TYR:N	1:409:A:TYR:CA	1:409:A:TYR:C	1:410:A:TRP:N	12	1.01
(1,94)	1:393:A:LEU:N	1:393:A:LEU:CA	1:393:A:LEU:C	1:394:A:LYS:N	1	1.0