



Full wwPDB NMR Structure Validation Report ⓘ

Mar 26, 2026 – 05:35 AM UTC

PDB ID : 2MY8 / pdb_00002my8
BMRB ID : 16884
Title : NMR Structure of RRM-3 domain of ETR-3
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Deposited on : 2015-01-21

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

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

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

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

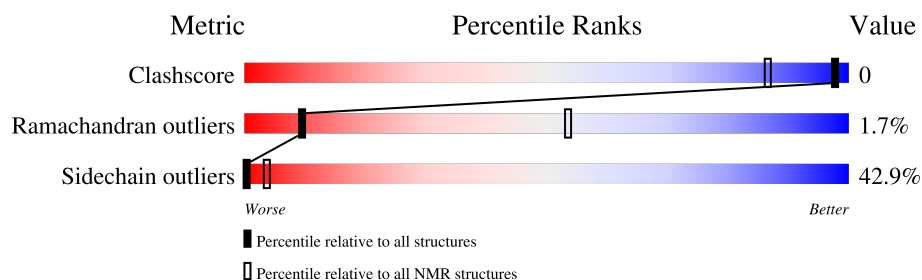
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 84%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	97	25% 39% 9% 27%

2 Ensemble composition and analysis

This entry contains 20 models. Model 19 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *closest to the average*.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:398-A:437, A:449-A:479 (71)	0.28	19

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

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

The models can be grouped into 3 clusters and 4 single-model clusters were found.

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 1531 atoms, of which 764 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called CUGBP Elav-like family member 2.

Mol	Chain	Residues	Atoms						Trace
1	A	97	Total	C	H	N	O	S	0
			1531	490	764	131	140	6	

There are 4 discrepancies between the modelled and reference sequences:

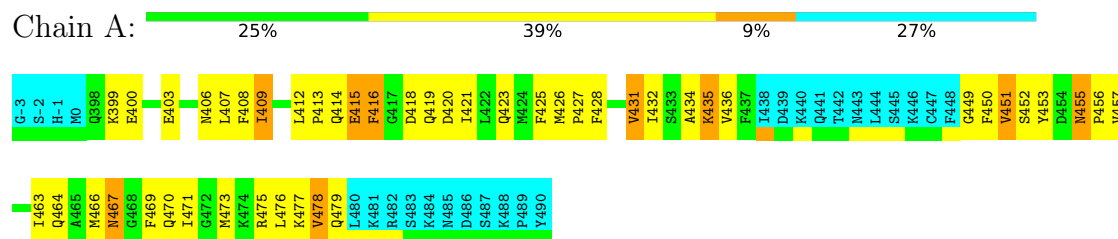
Chain	Residue	Modelled	Actual	Comment	Reference
A	-3	GLY	-	expression tag	UNP O95319
A	-2	SER	-	expression tag	UNP O95319
A	-1	HIS	-	expression tag	UNP O95319
A	0	MET	-	expression tag	UNP O95319

4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

- Molecule 1: CUGBP Elav-like family member 2

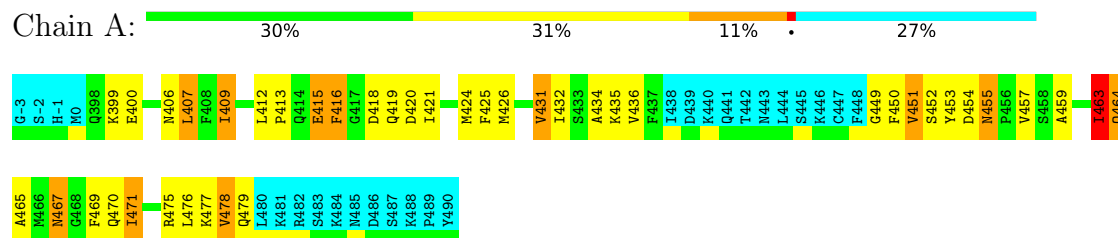


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

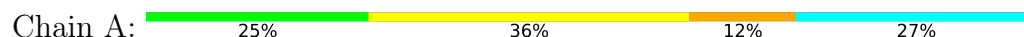
4.2.1 Score per residue for model 1

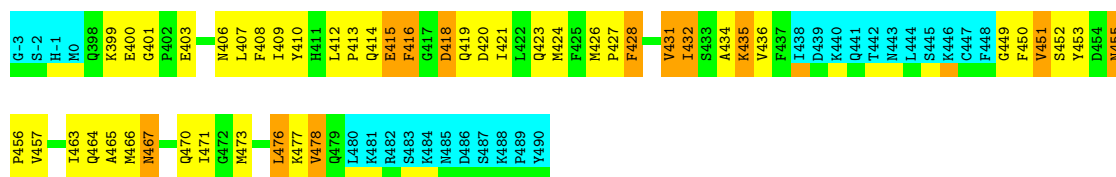
- Molecule 1: CUGBP Elav-like family member 2



4.2.2 Score per residue for model 2

- Molecule 1: CUGBP Elav-like family member 2

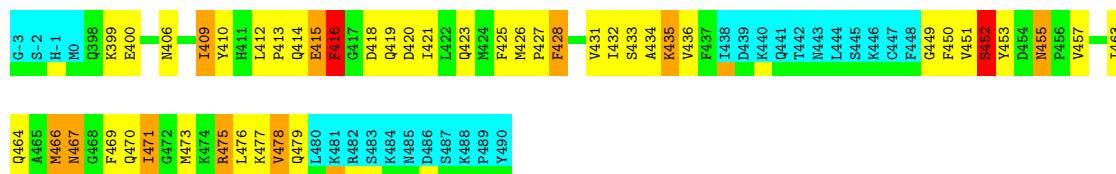




4.2.3 Score per residue for model 3

- Molecule 1: CUGBP Elav-like family member 2

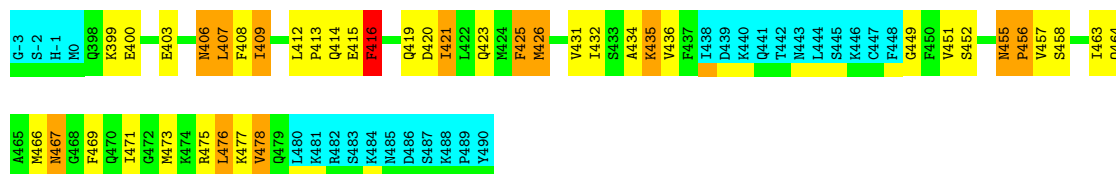
Chain A: 27% 34% 10% • 27%



4.2.4 Score per residue for model 4

- Molecule 1: CUGBP Elav-like family member 2

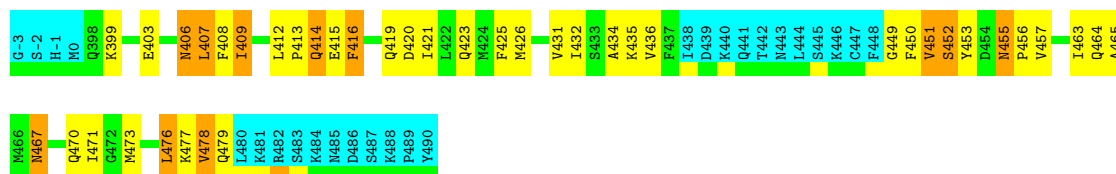
Chain A: 31% 29% 12% • 27%



4.2.5 Score per residue for model 5

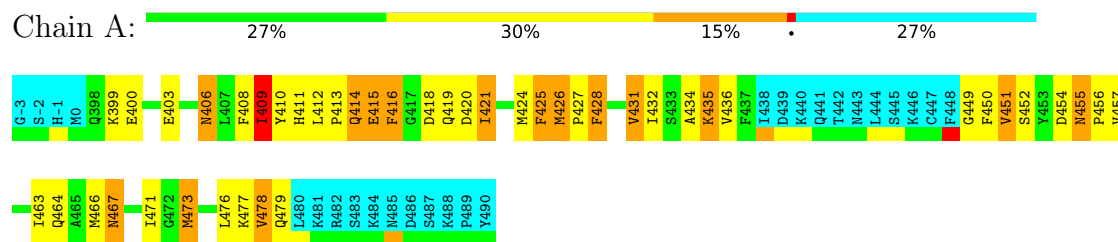
- Molecule 1: CUGBP Elav-like family member 2

Chain A: 31% 31% 11% 27%



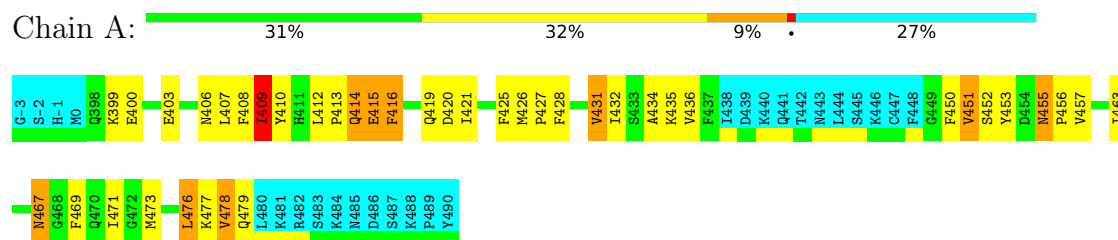
4.2.6 Score per residue for model 6

- Molecule 1: CUGBP Elav-like family member 2



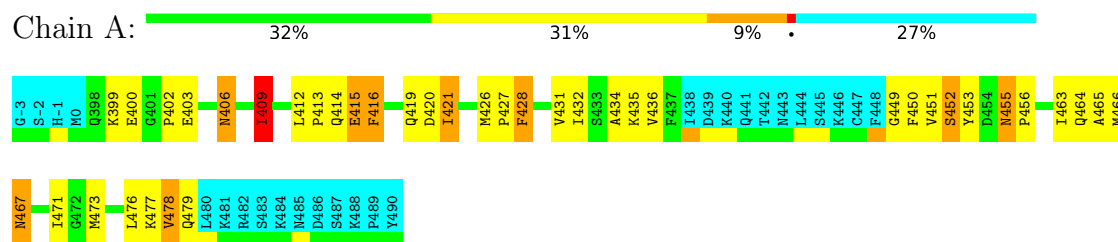
4.2.7 Score per residue for model 7

- Molecule 1: CUGBP Elav-like family member 2



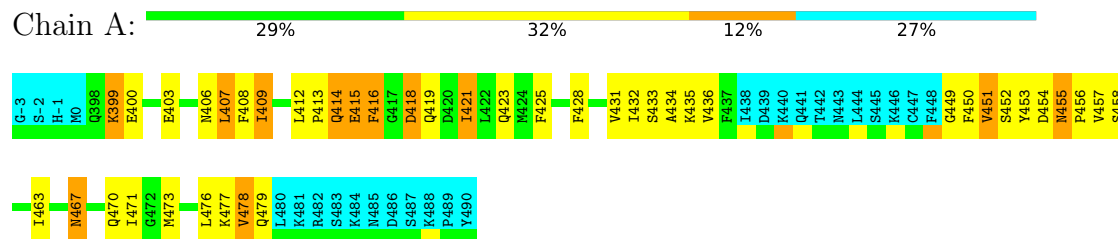
4.2.8 Score per residue for model 8

- Molecule 1: CUGBP Elav-like family member 2



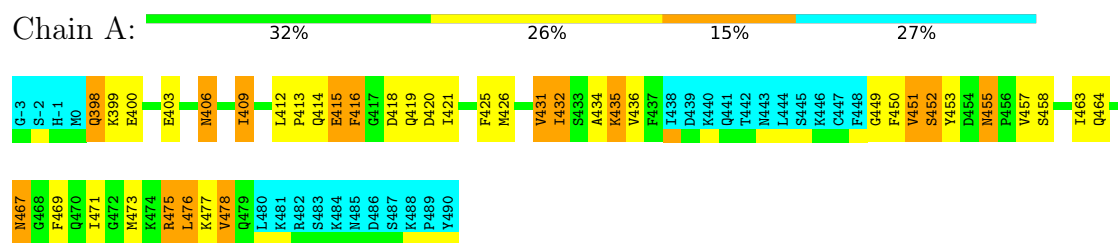
4.2.9 Score per residue for model 9

- Molecule 1: CUGBP Elav-like family member 2



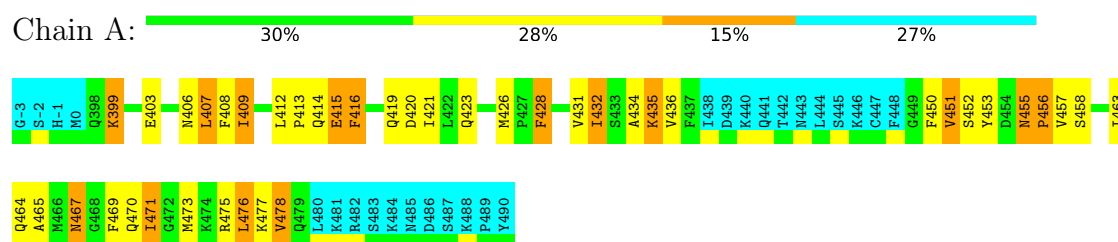
4.2.10 Score per residue for model 10

- Molecule 1: CUGBP Elav-like family member 2



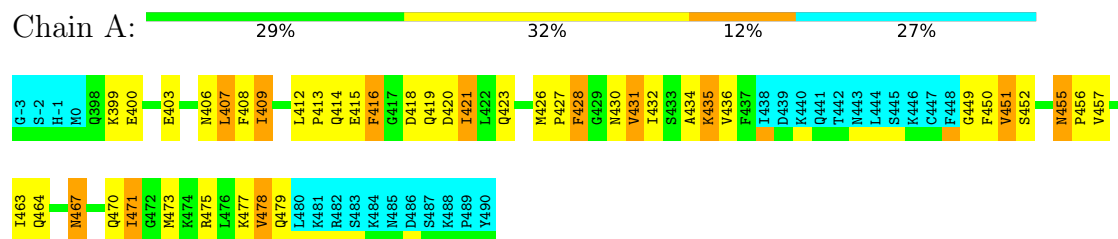
4.2.11 Score per residue for model 11

- Molecule 1: CUGBP Elav-like family member 2



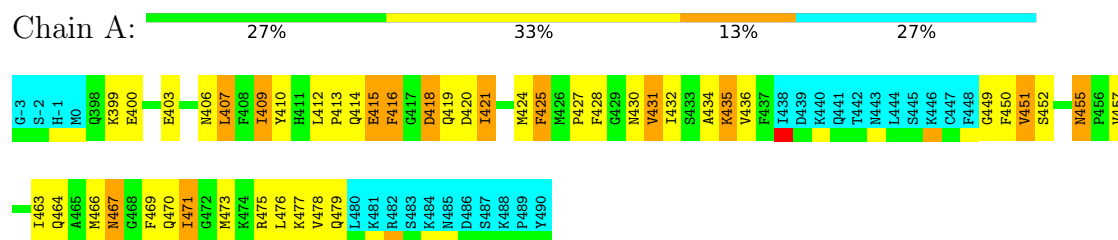
4.2.12 Score per residue for model 12

- Molecule 1: CUGBP Elav-like family member 2



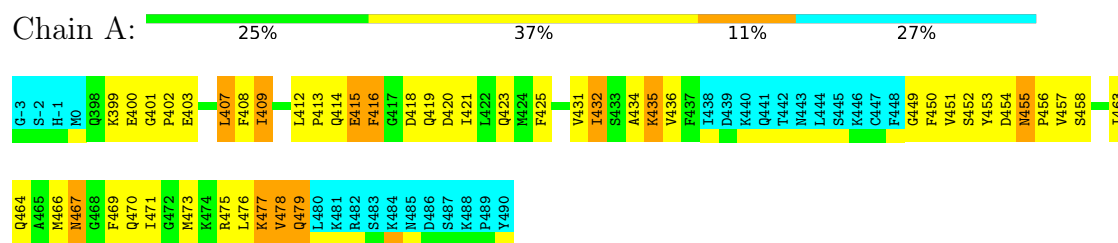
4.2.13 Score per residue for model 13

- Molecule 1: CUGBP Elav-like family member 2



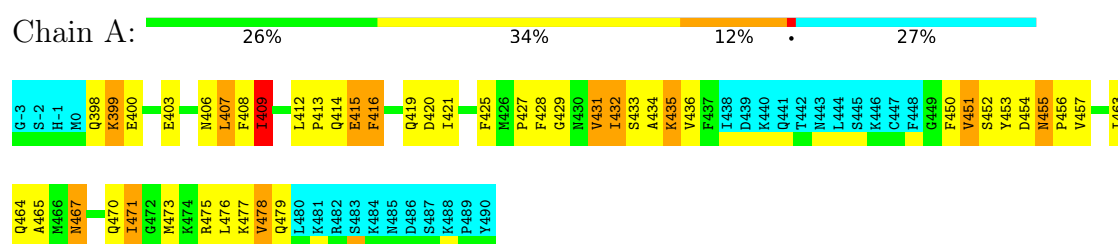
4.2.14 Score per residue for model 14

- Molecule 1: CUGBP Elav-like family member 2



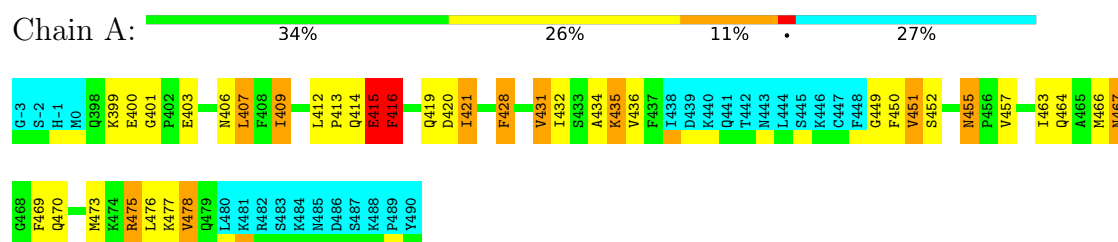
4.2.15 Score per residue for model 15

- Molecule 1: CUGBP Elav-like family member 2



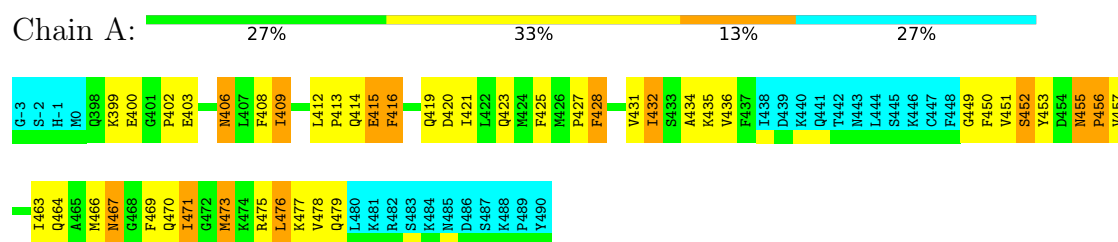
4.2.16 Score per residue for model 16

- Molecule 1: CUGBP Elav-like family member 2



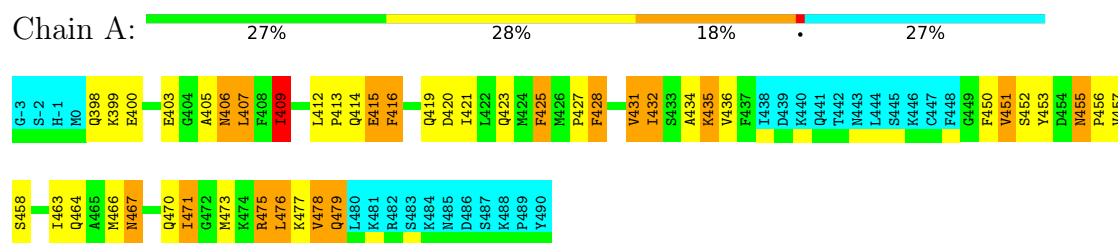
4.2.17 Score per residue for model 17

- Molecule 1: CUGBP Elav-like family member 2



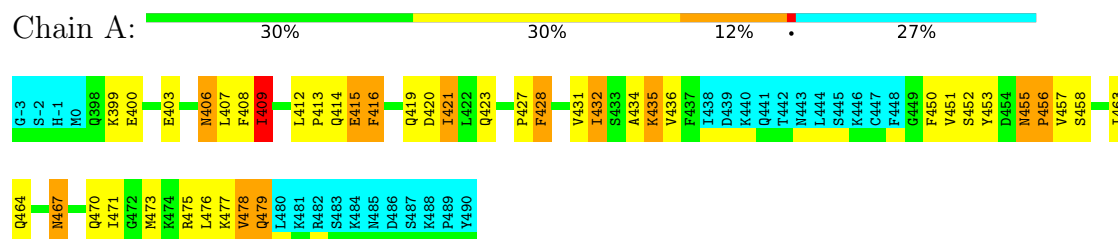
4.2.18 Score per residue for model 18

- Molecule 1: CUGBP Elav-like family member 2



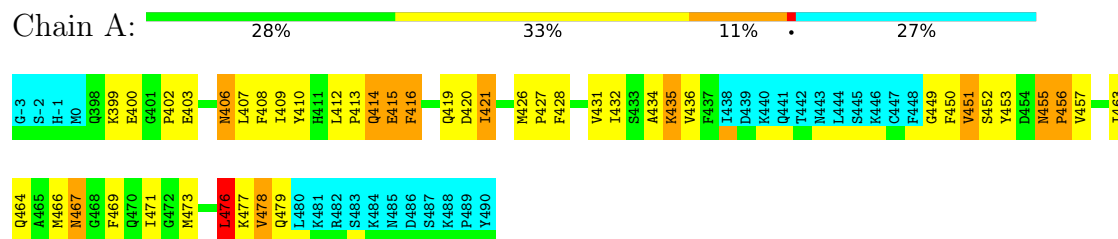
4.2.19 Score per residue for model 19 (medoid)

- Molecule 1: CUGBP Elav-like family member 2



4.2.20 Score per residue for model 20

- Molecule 1: CUGBP Elav-like family member 2



5 Refinement protocol and experimental data overview

The models were refined using the following method: *DGSA-distance geometry simulated annealing, molecular dynamics*.

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *structures with the least restraint violations*.

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

Software name	Classification	Version
CNS	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1082
Number of shifts mapped to atoms	1082
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	84%

6 Model quality [i](#)

6.1 Standard geometry [i](#)

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	2.45±0.04	31±3/570 (5.4± 0.5%)	1.66±0.03	6±1/768 (0.8± 0.2%)
All	All	2.45	618/11400 (5.4%)	1.66	125/15360 (0.8%)

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

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	2.0±0.0
All	All	0	40

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	455	ASN	C-N	10.18	1.45	1.34	13	2
1	A	409	ILE	CA-CB	10.03	1.66	1.54	19	20
1	A	452	SER	CA-C	9.92	1.64	1.52	5	20
1	A	406	ASN	CA-C	9.18	1.62	1.52	13	12
1	A	436	VAL	CA-CB	8.27	1.64	1.53	14	20
1	A	477	LYS	N-CA	8.07	1.55	1.46	20	17
1	A	434	ALA	CA-C	7.99	1.61	1.52	14	20
1	A	450	PHE	CA-C	7.92	1.61	1.52	13	18
1	A	449	GLY	N-CA	7.77	1.52	1.45	4	14
1	A	406	ASN	N-CA	7.65	1.55	1.46	18	17
1	A	450	PHE	C-N	7.45	1.42	1.33	18	17
1	A	473	MET	N-CA	7.41	1.54	1.46	8	19
1	A	407	LEU	CA-C	7.41	1.61	1.52	13	15
1	A	478	VAL	CA-CB	7.41	1.63	1.54	7	18
1	A	477	LYS	CA-C	7.28	1.61	1.52	10	20
1	A	453	TYR	N-CA	7.22	1.55	1.45	17	15

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	409	ILE	CA-C	7.06	1.61	1.52	20	16
1	A	421	ILE	CA-CB	7.00	1.64	1.54	8	9
1	A	408	PHE	N-CA	6.90	1.53	1.45	14	13
1	A	409	ILE	N-CA	6.90	1.55	1.46	4	20
1	A	451	VAL	CA-C	6.87	1.60	1.52	16	5
1	A	475	ARG	CA-C	6.72	1.60	1.52	19	5
1	A	469	PHE	CA-CB	6.70	1.61	1.53	20	7
1	A	431	VAL	CA-C	6.52	1.60	1.52	5	16
1	A	407	LEU	N-CA	6.47	1.53	1.46	13	1
1	A	457	VAL	CA-CB	6.41	1.62	1.54	20	19
1	A	418	ASP	N-CA	6.39	1.53	1.46	13	7
1	A	471	ILE	N-CA	6.37	1.54	1.46	17	17
1	A	451	VAL	N-CA	6.28	1.54	1.46	18	14
1	A	476	LEU	CA-C	6.21	1.60	1.52	2	17
1	A	463	ILE	CA-CB	6.20	1.62	1.54	1	20
1	A	435	LYS	CA-C	6.10	1.60	1.52	12	14
1	A	410	TYR	N-CA	6.07	1.52	1.45	20	1
1	A	451	VAL	CA-CB	6.05	1.62	1.54	16	3
1	A	456	PRO	CA-C	5.91	1.60	1.52	17	12
1	A	406	ASN	C-N	5.86	1.42	1.33	18	2
1	A	410	TYR	C-N	5.86	1.41	1.33	6	4
1	A	470	GLN	CA-C	5.86	1.60	1.52	11	13
1	A	432	ILE	CA-C	5.86	1.59	1.53	11	7
1	A	452	SER	C-N	5.84	1.42	1.33	5	4
1	A	457	VAL	N-CA	5.81	1.53	1.46	17	3
1	A	471	ILE	CA-CB	5.79	1.62	1.54	12	16
1	A	477	LYS	CA-CB	5.79	1.62	1.53	20	5
1	A	465	ALA	N-CA	5.78	1.53	1.46	1	5
1	A	407	LEU	C-N	5.77	1.41	1.33	9	3
1	A	432	ILE	CA-CB	5.67	1.61	1.54	17	3
1	A	434	ALA	C-N	5.62	1.40	1.33	14	8
1	A	479	GLN	CA-C	5.59	1.59	1.52	18	3
1	A	464	GLN	CA-C	5.58	1.59	1.52	1	1
1	A	428	PHE	CA-C	5.56	1.59	1.52	3	2
1	A	457	VAL	CA-C	5.55	1.60	1.52	14	4
1	A	473	MET	CA-CB	5.50	1.60	1.53	17	1
1	A	427	PRO	CA-C	5.49	1.60	1.52	7	2
1	A	478	VAL	CA-C	5.47	1.59	1.52	11	5
1	A	475	ARG	CA-CB	5.47	1.60	1.53	16	1
1	A	465	ALA	CA-C	5.46	1.60	1.52	8	3
1	A	414	GLN	CA-C	5.44	1.60	1.52	12	4

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	416	PHE	N-CA	5.42	1.53	1.46	8	5
1	A	435	LYS	N-CA	5.39	1.52	1.46	14	3
1	A	432	ILE	N-CA	5.38	1.52	1.46	19	1
1	A	476	LEU	N-CA	5.38	1.52	1.46	3	3
1	A	409	ILE	C-N	5.36	1.41	1.33	20	1
1	A	426	MET	CA-C	5.35	1.58	1.52	4	1
1	A	436	VAL	CA-C	5.35	1.59	1.52	6	1
1	A	398	GLN	CA-CB	5.25	1.60	1.52	18	2
1	A	467	ASN	CA-C	5.25	1.59	1.52	16	2
1	A	453	TYR	CA-C	5.24	1.59	1.52	14	1
1	A	453	TYR	C-N	5.18	1.41	1.33	17	1
1	A	434	ALA	N-CA	5.17	1.52	1.46	8	4
1	A	436	VAL	N-CA	5.17	1.52	1.46	12	1
1	A	406	ASN	CA-CB	5.15	1.62	1.52	20	1
1	A	401	GLY	C-N	5.14	1.39	1.33	14	3
1	A	415	GLU	CA-CB	5.13	1.60	1.53	16	1
1	A	450	PHE	N-CA	5.12	1.52	1.46	15	1
1	A	428	PHE	N-CA	5.10	1.52	1.46	11	1
1	A	424	MET	CA-CB	5.10	1.62	1.53	13	2
1	A	424	MET	N-CA	5.09	1.52	1.46	13	2
1	A	429	GLY	CA-C	5.04	1.56	1.51	15	1
1	A	431	VAL	C-N	5.01	1.39	1.33	16	1

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

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	416	PHE	CA-CB-CG	10.68	124.48	113.80	3	20
1	A	467	ASN	CA-CB-CG	8.43	121.03	112.60	1	20
1	A	455	ASN	CA-CB-CG	8.07	120.67	112.60	5	20
1	A	469	PHE	CA-CB-CG	6.97	120.77	113.80	20	6
1	A	449	GLY	N-CA-C	6.79	121.23	111.12	10	5
1	A	405	ALA	N-CA-CB	-6.38	101.14	110.84	18	1
1	A	428	PHE	CA-CB-CG	5.99	119.79	113.80	18	13
1	A	430	ASN	CA-CB-CG	5.99	118.59	112.60	12	2
1	A	414	GLN	N-CA-CB	-5.59	101.05	110.49	5	11
1	A	414	GLN	N-CA-C	5.47	122.45	110.80	9	17
1	A	410	TYR	CA-CB-CG	5.36	123.55	113.90	3	1
1	A	426	MET	CA-C-N	5.35	126.53	119.84	4	2
1	A	426	MET	C-N-CA	5.35	126.53	119.84	4	2
1	A	431	VAL	N-CA-CB	-5.35	104.03	111.41	5	2

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	455	ASN	N-CA-C	5.24	116.71	108.23	13	1
1	A	409	ILE	N-CA-CB	5.22	118.43	111.64	16	1
1	A	409	ILE	CA-CB-CG1	5.21	119.27	110.40	16	1

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
1	A	413	PRO	Peptide	20
1	A	415	GLU	Peptide	20

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	556	546	545	1±1
All	All	11120	10920	10900	11

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 0.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:466:MET:HE1	1:A:476:LEU:HG	0.81	1.49	20	1
1:A:425:PHE:CZ	1:A:466:MET:HG3	0.50	2.42	17	2
1:A:425:PHE:CZ	1:A:466:MET:HG2	0.49	2.43	13	5
1:A:459:ALA:O	1:A:463:ILE:HD13	0.41	2.16	1	1
1:A:433:SER:HB2	1:A:452:SER:OG	0.41	2.14	3	1
1:A:399:LYS:O	1:A:399:LYS:HD2	0.40	2.16	11	1

6.3 Torsion angles [i](#)

6.3.1 Protein backbone [i](#)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	71/97 (73%)	61±2 (86±2%)	9±2 (13±3%)	1±1 (2±1%)	9	53
All	All	1420/1940 (73%)	1216 (86%)	180 (13%)	24 (2%)	9	53

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

Mol	Chain	Res	Type	Models (Total)
1	A	427	PRO	10
1	A	456	PRO	8
1	A	416	PHE	3
1	A	399	LYS	2
1	A	411	HIS	1

6.3.2 Protein sidechains [i](#)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	58/83 (70%)	33±2 (57±3%)	25±2 (43±3%)	0	4
All	All	1160/1660 (70%)	662 (57%)	498 (43%)	0	4

All 42 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	399	LYS	20
1	A	412	LEU	20
1	A	416	PHE	20
1	A	419	GLN	20
1	A	421	ILE	20

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Mol	Chain	Res	Type	Models (Total)
1	A	432	ILE	20
1	A	435	LYS	20
1	A	451	VAL	20
1	A	455	ASN	20
1	A	467	ASN	20
1	A	478	VAL	20
1	A	420	ASP	19
1	A	400	GLU	18
1	A	409	ILE	18
1	A	464	GLN	18
1	A	403	GLU	18
1	A	415	GLU	17
1	A	479	GLN	15
1	A	431	VAL	14
1	A	426	MET	12
1	A	475	ARG	12
1	A	428	PHE	12
1	A	407	LEU	11
1	A	423	GLN	11
1	A	425	PHE	10
1	A	476	LEU	10
1	A	406	ASN	9
1	A	471	ILE	8
1	A	458	SER	7
1	A	414	GLN	6
1	A	418	ASP	5
1	A	454	ASP	5
1	A	452	SER	5
1	A	466	MET	4
1	A	402	PRO	4
1	A	473	MET	2
1	A	433	SER	2
1	A	398	GLN	2
1	A	463	ILE	1
1	A	424	MET	1
1	A	477	LYS	1
1	A	470	GLN	1

6.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 84% for the well-defined parts and 82% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shifts_1*

7.1.1 Bookkeeping

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

Total number of shifts	1082
Number of shifts mapped to atoms	1082
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	36

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	97	5.58 ± 0.07	Should be applied
$^{13}\text{C}_\beta$	89	5.37 ± 0.11	Should be applied
$^{13}\text{C}'$	97	5.71 ± 0.16	Should be applied
^{15}N	92	0.15 ± 0.58	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 84%, i.e. 812 atoms were assigned a chemical shift out of a possible 967. 0 out of 9 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	354/354 (100%)	145/145 (100%)	142/142 (100%)	67/67 (100%)
Sidechain	420/517 (81%)	277/337 (82%)	131/161 (81%)	12/19 (63%)

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	Total	¹H	¹³C	¹⁵N
Aromatic	38/96 (40%)	19/47 (40%)	19/47 (40%)	0/2 (0%)
Overall	812/967 (84%)	441/529 (83%)	292/350 (83%)	79/88 (90%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 82%, i.e. 1081 atoms were assigned a chemical shift out of a possible 1326. 0 out of 11 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	480/483 (99%)	194/197 (98%)	194/194 (100%)	92/92 (100%)
Sidechain	555/720 (77%)	362/466 (78%)	178/224 (79%)	15/30 (50%)
Aromatic	46/123 (37%)	23/60 (38%)	23/59 (39%)	0/4 (0%)
Overall	1081/1326 (82%)	579/723 (80%)	395/477 (83%)	107/126 (85%)

7.1.4 Statistically unusual chemical shifts ⓘ

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

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	444	LEU	CG	19.40	21.37 – 32.19	-6.8
1	A	402	PRO	CD	43.40	45.11 – 55.58	-6.6
1	A	480	LEU	CG	19.70	21.37 – 32.19	-6.5
1	A	435	LYS	CE	36.30	37.57 – 46.21	-6.5
1	A	412	LEU	CG	19.80	21.37 – 32.19	-6.5
1	A	481	LYS	CE	36.40	37.57 – 46.21	-6.3
1	A	398	GLN	CG	27.00	28.36 – 39.21	-6.3
1	A	399	LYS	CE	36.50	37.57 – 46.21	-6.2
1	A	440	LYS	CE	36.50	37.57 – 46.21	-6.2
1	A	477	LYS	CE	36.50	37.57 – 46.21	-6.2
1	A	484	LYS	CE	36.50	37.57 – 46.21	-6.2
1	A	476	LEU	CG	20.40	21.37 – 32.19	-5.9
1	A	474	LYS	CE	36.80	37.57 – 46.21	-5.9
1	A	417	GLY	CA	37.80	38.93 – 51.79	-5.9
1	A	413	PRO	CD	44.20	45.11 – 55.58	-5.9
1	A	482	ARG	CD	37.80	38.57 – 47.75	-5.8
1	A	416	PHE	CD1	124.30	125.33 – 137.83	-5.8
1	A	475	ARG	CD	37.90	38.57 – 47.75	-5.7
1	A	427	PRO	CB	25.40	26.06 – 37.61	-5.6
1	A	460	GLN	CG	27.80	28.36 – 39.21	-5.5
1	A	402	PRO	C	168.80	169.47 – 184.06	-5.5
1	A	464	GLN	CG	27.90	28.36 – 39.21	-5.4

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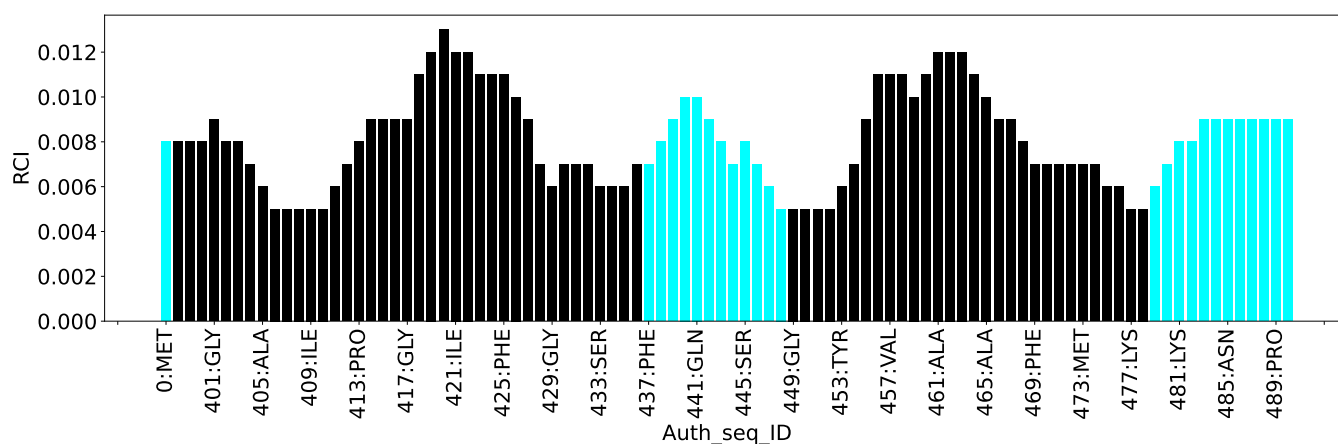
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List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	470	GLN	CG	27.90	28.36 – 39.21	-5.4
1	A	402	PRO	CG	21.30	21.69 – 32.72	-5.3
1	A	407	LEU	CG	21.00	21.37 – 32.19	-5.3
1	A	401	GLY	CA	38.50	38.93 – 51.79	-5.3
1	A	484	LYS	CG	19.00	19.35 – 30.45	-5.3
1	A	489	PRO	CD	44.80	45.11 – 55.58	-5.3
1	A	489	PRO	CG	21.40	21.69 – 32.72	-5.3
1	A	419	GLN	CG	28.10	28.36 – 39.21	-5.2
1	A	399	LYS	CG	19.10	19.35 – 30.45	-5.2
1	A	433	SER	C	165.90	166.15 – 183.14	-5.2
1	A	440	LYS	CD	23.40	23.50 – 34.42	-5.1
1	A	474	LYS	CD	23.40	23.50 – 34.42	-5.1
1	A	489	PRO	CB	26.00	26.06 – 37.61	-5.0
1	A	456	PRO	CD	45.10	45.11 – 55.58	-5.0

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

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	2438
Intra-residue ($ i-j =0$)	373
Sequential ($ i-j =1$)	722
Medium range ($ i-j >1$ and $ i-j <5$)	472
Long range ($ i-j \geq 5$)	871
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	142
Number of unmapped restraints	0
Number of restraints per residue	26.6
Number of long range restraints per residue ¹	9.0

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	261.8	0.2
0.2-0.5 (Medium)	516.6	0.5
>0.5 (Large)	419.8	3.61

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	37.9	9.99
10.0-20.0 (Medium)	8.0	19.76
>20.0 (Large)	2.6	25.89

9 Distance violation analysis ⓘ

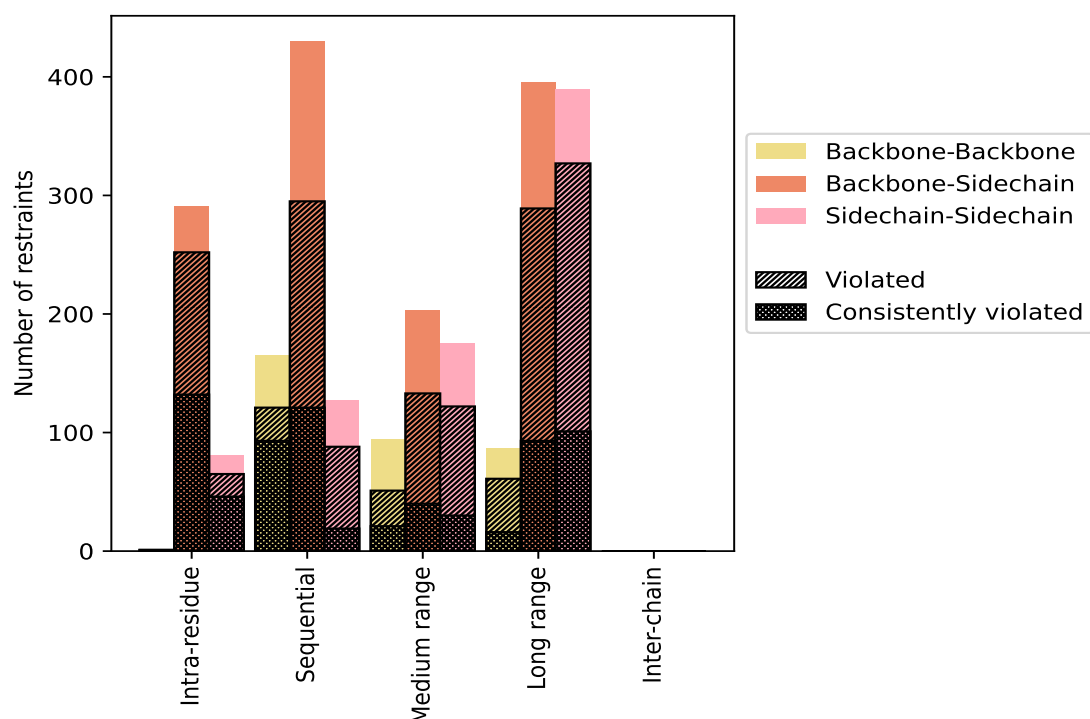
9.1 Summary of distance violations ⓘ

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

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue (i-j =0)	373	15.3	318	85.3	13.0	179	48.0	7.3
Backbone-Backbone	1	0.0	1	100.0	0.0	1	100.0	0.0
Backbone-Sidechain	291	11.9	252	86.6	10.3	132	45.4	5.4
Sidechain-Sidechain	81	3.3	65	80.2	2.7	46	56.8	1.9
Sequential (i-j =1)	722	29.6	504	69.8	20.7	233	32.3	9.6
Backbone-Backbone	165	6.8	121	73.3	5.0	93	56.4	3.8
Backbone-Sidechain	430	17.6	295	68.6	12.1	121	28.1	5.0
Sidechain-Sidechain	127	5.2	88	69.3	3.6	19	15.0	0.8
Medium range (i-j >1 & i-j <5)	472	19.4	306	64.8	12.6	91	19.3	3.7
Backbone-Backbone	94	3.9	51	54.3	2.1	21	22.3	0.9
Backbone-Sidechain	203	8.3	133	65.5	5.5	40	19.7	1.6
Sidechain-Sidechain	175	7.2	122	69.7	5.0	30	17.1	1.2
Long range (i-j ≥5)	871	35.7	677	77.7	27.8	210	24.1	8.6
Backbone-Backbone	87	3.6	61	70.1	2.5	16	18.4	0.7
Backbone-Sidechain	395	16.2	289	73.2	11.9	93	23.5	3.8
Sidechain-Sidechain	389	16.0	327	84.1	13.4	101	26.0	4.1
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	2438	100.0	1805	74.0	74.0	713	29.2	29.2
Backbone-Backbone	347	14.2	234	67.4	9.6	131	37.8	5.4
Backbone-Sidechain	1319	54.1	969	73.5	39.7	386	29.3	15.8
Sidechain-Sidechain	772	31.7	602	78.0	24.7	196	25.4	8.0

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

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



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

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

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	247	363	168	436	0	1214	0.59	3.41	0.55	0.36
2	244	366	174	443	0	1227	0.58	3.1	0.54	0.35
3	255	351	174	427	0	1207	0.6	3.52	0.56	0.36
4	255	363	182	435	0	1235	0.57	3.12	0.54	0.34
5	243	353	178	424	0	1198	0.59	3.11	0.54	0.36
6	245	358	178	424	0	1205	0.59	2.84	0.53	0.37
7	248	349	177	429	0	1203	0.6	3.0	0.54	0.36
8	241	352	182	433	0	1208	0.59	3.54	0.54	0.37
9	246	365	171	431	0	1213	0.58	3.09	0.54	0.35
10	247	352	173	436	0	1208	0.6	3.2	0.55	0.37

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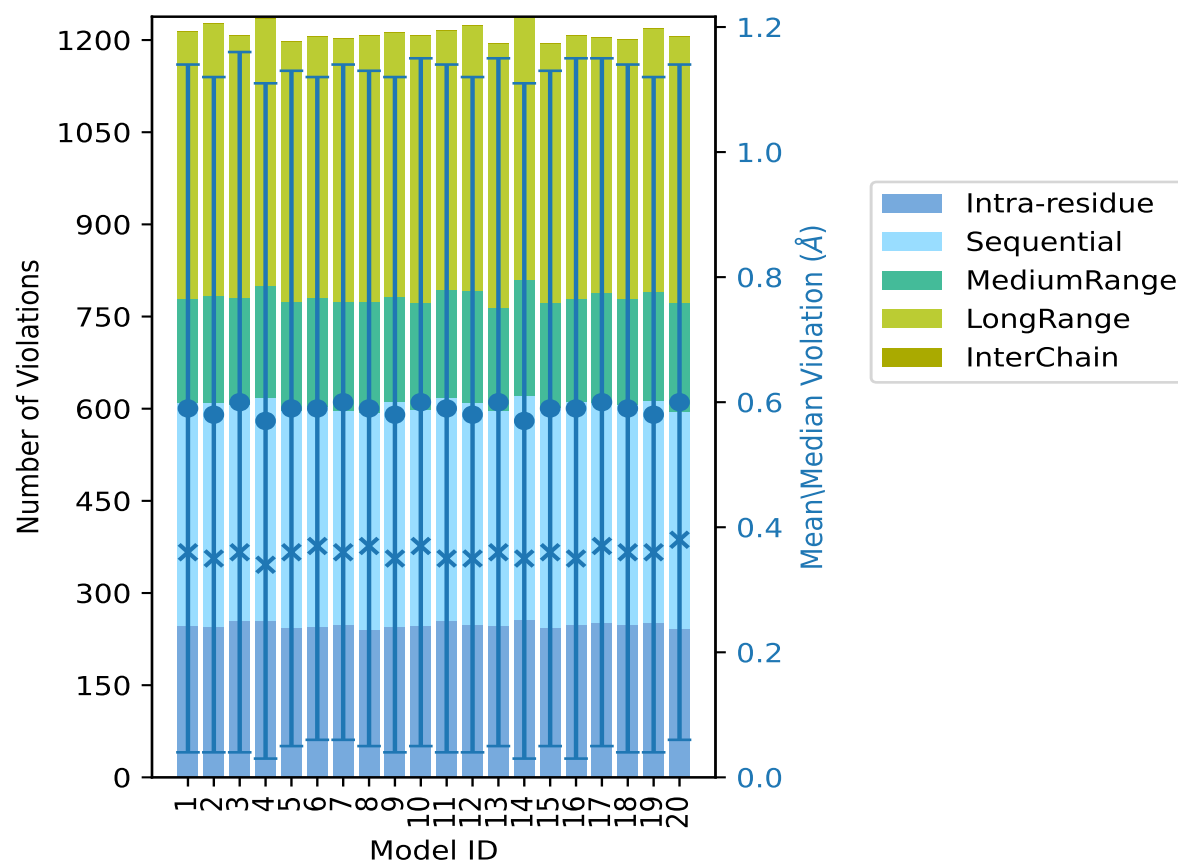
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	254	364	175	423	0	1216	0.59	3.23	0.55	0.35
12	248	361	183	432	0	1224	0.58	3.19	0.54	0.35
13	246	351	167	430	0	1194	0.6	2.92	0.55	0.36
14	256	365	189	428	0	1238	0.57	3.15	0.54	0.35
15	243	359	171	422	0	1195	0.59	3.43	0.54	0.36
16	249	363	167	428	0	1207	0.59	3.53	0.56	0.35
17	251	358	179	416	0	1204	0.6	3.36	0.55	0.37
18	249	357	173	422	0	1201	0.59	3.12	0.55	0.36
19	251	362	177	429	0	1219	0.58	3.39	0.54	0.36
20	242	353	178	432	0	1205	0.6	3.61	0.54	0.38

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

⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model ⓘ



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

9.3 Distance violation statistics for the ensemble

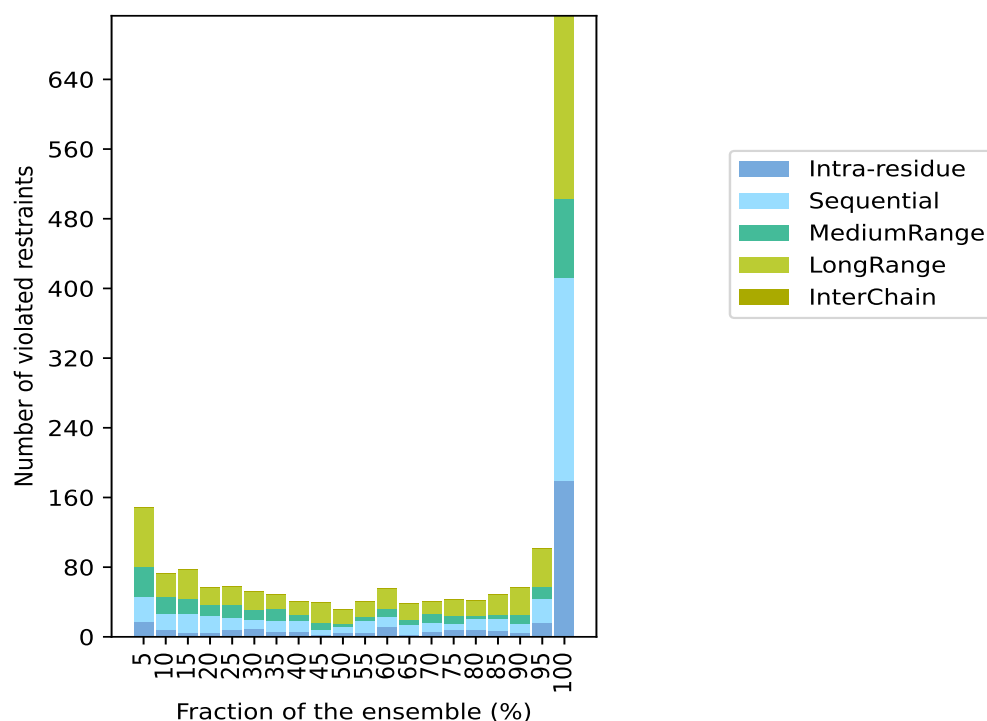
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 633(IR:55, SQ:218, MR:166, LR:194, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total	Count ⁶	%
17	29	35	67	0	148	1	5.0
8	19	19	27	0	73	2	10.0
5	21	18	33	0	77	3	15.0
5	19	13	20	0	57	4	20.0
8	14	15	21	0	58	5	25.0
9	11	11	21	0	52	6	30.0
6	13	13	17	0	49	7	35.0
6	13	7	15	0	41	8	40.0
2	6	8	23	0	39	9	45.0
4	8	3	16	0	31	10	50.0
5	13	5	18	0	41	11	55.0
12	11	9	23	0	55	12	60.0
2	12	6	18	0	38	13	65.0
6	10	11	14	0	41	14	70.0
8	7	9	19	0	43	15	75.0
8	13	3	18	0	42	16	80.0
7	14	5	23	0	49	17	85.0
5	10	11	31	0	57	18	90.0
16	28	14	43	0	101	19	95.0
179	233	91	210	0	713	20	100.0

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

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

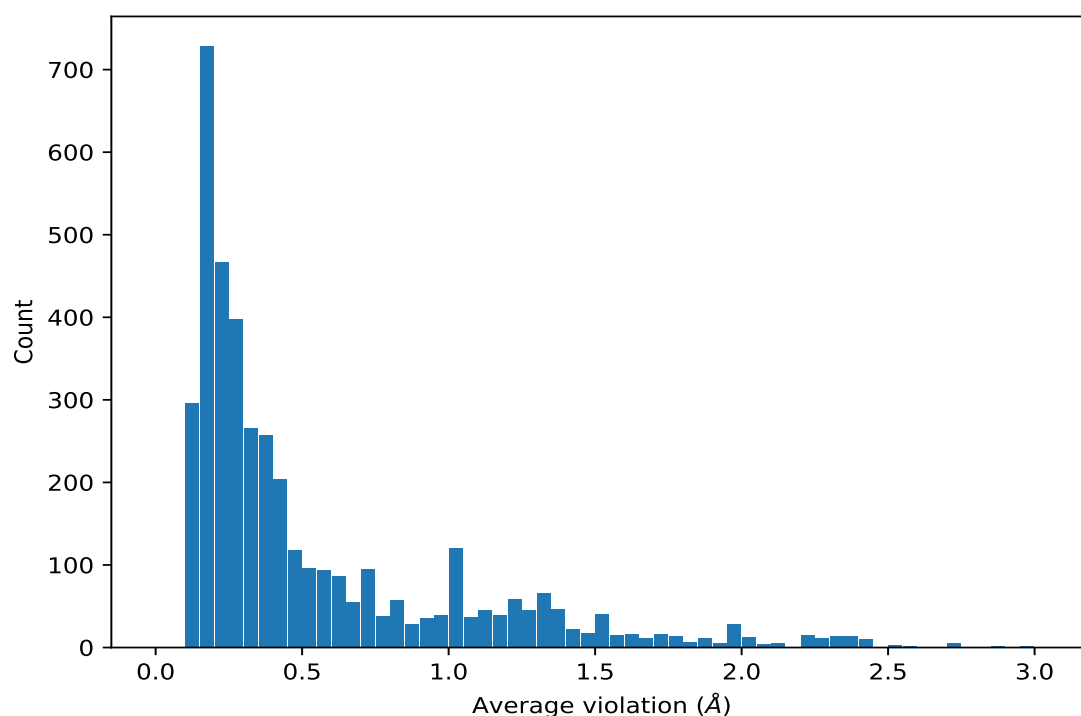
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	20	2.96	0.54	3.2
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	20	2.96	0.54	3.2
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	20	2.86	0.11	2.87
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	20	2.86	0.11	2.87
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	20	2.74	0.11	2.74
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	20	2.74	0.11	2.74
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	20	2.74	0.11	2.74
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	20	2.74	0.11	2.74
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	20	2.74	0.11	2.74
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	20	2.74	0.11	2.74
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	20	2.66	0.03	2.66
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	20	2.64	0.07	2.64
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	20	2.59	0.56	3.08
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	20	2.59	0.56	3.08
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	20	2.52	0.49	2.72
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	20	2.5	0.2	2.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	20	2.5	0.2	2.44
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	20	2.48	0.21	2.45
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	20	2.44	0.09	2.42
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	20	2.44	0.09	2.42
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	20	2.44	0.09	2.42
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	20	2.44	0.09	2.42
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	20	2.44	0.09	2.42
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	20	2.44	0.09	2.42
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	20	2.4	0.21	2.49
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	20	2.4	0.21	2.49
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	20	2.4	0.21	2.49
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	20	2.4	0.21	2.49
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	20	2.38	0.41	2.44
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	20	2.38	0.41	2.44
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	20	2.38	0.41	2.44
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	20	2.38	0.41	2.44
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	20	2.38	0.41	2.44
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	20	2.38	0.41	2.44
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	20	2.38	0.41	2.44
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	20	2.38	0.41	2.44
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	20	2.38	0.41	2.44
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	20	2.38	0.41	2.44
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	20	2.38	0.41	2.44
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	20	2.38	0.41	2.44
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	20	2.37	0.14	2.42
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	20	2.37	0.14	2.42
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	20	2.34	0.19	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	20	2.34	0.19	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	20	2.34	0.19	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	20	2.34	0.19	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	20	2.34	0.19	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	20	2.34	0.19	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	20	2.34	0.19	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	20	2.34	0.19	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	20	2.34	0.19	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	20	2.34	0.19	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	20	2.34	0.19	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	20	2.34	0.19	2.37
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	20	2.33	0.1	2.33
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	20	2.33	0.1	2.33
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	20	2.29	0.06	2.28
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	20	2.29	0.06	2.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	20	2.29	0.32	2.26
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	20	2.29	0.32	2.26
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	20	2.27	0.24	2.33
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	20	2.27	0.24	2.33
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	20	2.27	0.24	2.33
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	20	2.27	0.24	2.33
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	20	2.27	0.24	2.33
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	20	2.27	0.24	2.33
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	20	2.25	0.09	2.26
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	20	2.25	0.09	2.26
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	20	2.24	0.18	2.26
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	20	2.24	0.18	2.26
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	20	2.24	0.18	2.26
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	20	2.23	0.06	2.22
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	20	2.23	0.06	2.22
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	20	2.23	0.06	2.22
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	20	2.23	0.06	2.22
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	20	2.23	0.06	2.22
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	20	2.23	0.06	2.22
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	20	2.22	0.13	2.2
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	20	2.22	0.13	2.2
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	20	2.22	0.13	2.2
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	20	2.22	0.13	2.2
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	20	2.22	0.13	2.2
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	20	2.22	0.13	2.2
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	20	2.1	0.59	2.28
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	20	2.1	0.59	2.28
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	20	2.1	0.59	2.28
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	20	2.1	0.59	2.28
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	20	2.1	0.59	2.28
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	20	2.1	0.59	2.28
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	20	2.09	0.28	2.18
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	20	2.09	0.28	2.18
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	20	2.09	0.28	2.18
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	20	2.06	0.12	2.08
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	20	2.04	0.14	2.05
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	20	2.01	0.54	1.86
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	20	2.01	0.54	1.86
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	20	2.01	0.54	1.86
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	20	2.01	0.54	1.86
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	20	2.01	0.54	1.86
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	20	2.01	0.54	1.86

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	20	2.01	0.54	1.86
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	20	2.01	0.54	1.86
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	20	2.01	0.54	1.86
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	20	2.01	0.54	1.86
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	20	2.01	0.54	1.86
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	20	2.01	0.54	1.86
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	20	1.98	0.14	1.96
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	20	1.98	0.14	1.96
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	20	1.98	0.14	1.96
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	20	1.98	0.14	1.96
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	20	1.98	0.14	1.96
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	20	1.98	0.14	1.96
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	20	1.98	0.14	1.96
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	20	1.98	0.14	1.96
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	20	1.98	0.14	1.96
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	20	1.98	0.14	1.96
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	20	1.98	0.14	1.96
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	20	1.98	0.14	1.96
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	20	1.98	0.29	2.0
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	20	1.98	0.17	2.02
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	20	1.98	0.17	2.02
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	20	1.98	0.17	2.02
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	20	1.98	0.17	2.02
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	20	1.98	0.17	2.02
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	20	1.98	0.17	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	20	1.98	0.17	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	20	1.98	0.17	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	20	1.98	0.17	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	20	1.98	0.17	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	20	1.98	0.17	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	20	1.98	0.17	2.02
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	20	1.95	0.08	1.94
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	20	1.95	0.08	1.94
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	20	1.95	0.08	1.94
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	20	1.95	0.08	1.94
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	20	1.94	0.04	1.93
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	20	1.94	0.04	1.93
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	20	1.94	0.3	2.03
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	20	1.94	0.3	2.03
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	20	1.93	0.11	1.96
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	20	1.93	0.11	1.96
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	20	1.89	0.05	1.9

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	20	1.89	0.05	1.9
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	20	1.89	0.09	1.87
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	20	1.89	0.09	1.87
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	20	1.87	0.45	2.16
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	20	1.87	0.45	2.16
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	20	1.87	0.45	2.16
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	20	1.87	0.45	2.16
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	20	1.86	0.12	1.85
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	20	1.86	0.12	1.85
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	20	1.86	0.12	1.85
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	20	1.86	0.09	1.86
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	20	1.83	0.24	1.85
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	20	1.83	0.24	1.85
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	20	1.83	0.24	1.85
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	20	1.83	0.24	1.85
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	20	1.82	0.17	1.78
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	20	1.82	0.17	1.78
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	20	1.81	0.47	1.95
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	20	1.79	0.15	1.85
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	20	1.79	0.15	1.85
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	20	1.79	0.9	2.26
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	20	1.78	0.07	1.78
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	20	1.78	0.07	1.78
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	20	1.78	0.07	1.78
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	20	1.77	0.07	1.76
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	20	1.76	0.29	1.84
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	20	1.74	0.18	1.7
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	20	1.74	0.14	1.76
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	20	1.74	0.14	1.76
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	20	1.74	0.14	1.76
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	20	1.73	0.46	1.84
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	20	1.73	0.46	1.84
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	20	1.73	0.05	1.74
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	20	1.73	0.05	1.74
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	20	1.72	0.11	1.72
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	20	1.72	0.11	1.72
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	20	1.72	0.11	1.72
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	20	1.72	0.12	1.74
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	20	1.72	0.12	1.74
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	20	1.71	0.15	1.72
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	20	1.7	0.14	1.76
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	20	1.7	0.12	1.72

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	20	1.69	0.1	1.68
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	20	1.69	0.1	1.68
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	20	1.69	0.1	1.68
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	20	1.68	0.1	1.68
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	20	1.68	0.1	1.68
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	20	1.68	0.1	1.68
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	20	1.67	0.14	1.65
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	20	1.67	0.14	1.65
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	20	1.67	0.11	1.71
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	20	1.64	0.2	1.64
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	20	1.64	0.2	1.64
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	20	1.64	0.2	1.64
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	20	1.64	0.2	1.64
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	20	1.64	0.2	1.64
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	20	1.64	0.2	1.64
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	20	1.63	0.11	1.64
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	20	1.63	0.11	1.64
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	20	1.63	0.11	1.64
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	20	1.61	0.26	1.58
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	20	1.59	0.23	1.59
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	20	1.59	0.23	1.59
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	20	1.59	0.23	1.59
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	20	1.59	0.23	1.59
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	20	1.59	0.23	1.59
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	20	1.59	0.23	1.59
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	20	1.59	0.51	1.28
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	20	1.58	0.08	1.56
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	20	1.58	0.08	1.56
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	20	1.56	0.22	1.63
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	20	1.55	0.28	1.48
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	20	1.55	0.7	1.19
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	20	1.55	0.7	1.19
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	20	1.53	0.12	1.52
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	20	1.53	0.06	1.54
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	20	1.53	0.06	1.54
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	20	1.53	0.06	1.54
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	20	1.53	0.06	1.54
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	20	1.53	0.06	1.54
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	20	1.53	0.06	1.54
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	20	1.52	0.09	1.53
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	20	1.52	0.09	1.53
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	20	1.52	0.09	1.53

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	20	1.52	0.09	1.53
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	20	1.52	0.09	1.53
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	20	1.52	0.09	1.53
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	20	1.52	0.09	1.53
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	20	1.52	0.09	1.53
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	20	1.52	0.09	1.53
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	20	1.52	0.28	1.58
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	20	1.52	0.28	1.58
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	20	1.52	0.28	1.58
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	20	1.52	0.28	1.58
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	20	1.52	0.08	1.53
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	20	1.52	0.08	1.53
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	20	1.51	0.56	1.71
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	20	1.51	0.14	1.56
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	20	1.51	0.14	1.56
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	20	1.51	0.14	1.56
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	20	1.51	0.14	1.56
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	20	1.51	0.14	1.56
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	20	1.51	0.14	1.56
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	20	1.51	0.14	1.56
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	20	1.51	0.14	1.56
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	20	1.51	0.14	1.56
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	20	1.51	0.08	1.52
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	20	1.51	0.08	1.52
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	20	1.51	0.08	1.52
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	20	1.5	0.07	1.48
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	20	1.5	0.07	1.48
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	20	1.5	0.09	1.52
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	20	1.5	0.09	1.52
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	20	1.47	0.36	1.44
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	20	1.46	0.24	1.44
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	20	1.46	0.24	1.44
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	20	1.46	0.24	1.44
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	20	1.46	0.1	1.49
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	20	1.46	0.1	1.49
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	20	1.45	0.08	1.46
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	20	1.45	0.08	1.46
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	20	1.45	0.08	1.46
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	20	1.45	0.08	1.46
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	20	1.45	0.08	1.46
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	20	1.45	0.08	1.46
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	20	1.43	0.47	1.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	20	1.42	0.07	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	20	1.42	0.05	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	20	1.42	0.05	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	20	1.42	0.05	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	20	1.42	0.05	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	20	1.42	0.05	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	20	1.42	0.05	1.41
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	20	1.42	0.13	1.46
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	20	1.42	0.13	1.46
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	20	1.42	0.13	1.46
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	20	1.42	0.13	1.46
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	20	1.42	0.13	1.46
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	20	1.42	0.13	1.46
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	20	1.42	0.12	1.44
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	20	1.42	0.12	1.44
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	20	1.41	0.1	1.44
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	20	1.41	0.1	1.44
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	20	1.41	0.32	1.36
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	20	1.4	0.13	1.4
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	20	1.4	0.13	1.4
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	20	1.4	0.13	1.4
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	20	1.39	0.31	1.48
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	20	1.39	0.31	1.48
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	20	1.39	0.31	1.48
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	20	1.39	0.31	1.48
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	20	1.39	0.31	1.48
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	20	1.39	0.31	1.48
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	20	1.38	0.15	1.38
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	20	1.38	0.12	1.42
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	20	1.38	0.51	1.43
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	20	1.37	0.68	1.74
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	20	1.37	0.68	1.74
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	20	1.37	0.68	1.74
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	20	1.37	0.68	1.74
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	20	1.37	0.68	1.74
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	20	1.37	0.68	1.74
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	20	1.36	0.21	1.34
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	20	1.36	0.21	1.34
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	20	1.36	0.21	1.34
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	20	1.36	0.23	1.35
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	20	1.36	0.23	1.35
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	20	1.36	0.02	1.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	20	1.36	0.02	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	20	1.36	0.02	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	20	1.36	0.02	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	20	1.36	0.02	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	20	1.36	0.02	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	20	1.36	0.02	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	20	1.36	0.02	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	20	1.36	0.02	1.36
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	20	1.36	0.1	1.34
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	20	1.36	0.1	1.34
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	20	1.36	0.05	1.34
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	20	1.36	0.05	1.34
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	20	1.36	0.05	1.34
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	20	1.36	0.05	1.34
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	20	1.36	0.05	1.34
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	20	1.36	0.05	1.34
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	20	1.35	0.07	1.36
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	20	1.35	0.17	1.4
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	20	1.35	0.17	1.4
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	20	1.35	0.17	1.4
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	20	1.34	0.05	1.35
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	20	1.34	0.16	1.4
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	20	1.34	0.05	1.34
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	20	1.34	0.05	1.34
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	20	1.34	0.05	1.34
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	20	1.34	0.09	1.35
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	20	1.34	0.41	1.28
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	20	1.34	0.41	1.28
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	20	1.32	0.02	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	20	1.32	0.02	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	20	1.32	0.02	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	20	1.32	0.02	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	20	1.32	0.02	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	20	1.32	0.02	1.32
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	20	1.32	0.19	1.27
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	20	1.32	0.19	1.27
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	20	1.32	0.19	1.27
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	20	1.32	0.05	1.32
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	20	1.32	0.05	1.32
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	20	1.32	0.05	1.32
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	20	1.32	0.05	1.32
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	20	1.32	0.05	1.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	20	1.32	0.05	1.32
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	20	1.3	0.1	1.33
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	20	1.3	0.1	1.33
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	20	1.3	0.1	1.33
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	20	1.3	0.1	1.33
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	20	1.3	0.1	1.33
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	20	1.3	0.1	1.33
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	20	1.3	0.1	1.33
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	20	1.3	0.1	1.33
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	20	1.3	0.1	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	20	1.3	0.03	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	20	1.3	0.03	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	20	1.3	0.03	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	20	1.3	0.03	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	20	1.3	0.03	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	20	1.3	0.03	1.31
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	20	1.3	0.08	1.31
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	20	1.3	0.08	1.31
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	20	1.3	0.04	1.29
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	20	1.3	0.4	1.45
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	20	1.29	0.08	1.31
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	20	1.29	0.08	1.31
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	20	1.29	0.17	1.32
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	20	1.28	0.1	1.26
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	20	1.28	0.1	1.26
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	20	1.28	0.1	1.26
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	20	1.28	0.74	1.18
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	20	1.28	0.13	1.29
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	20	1.28	0.13	1.29
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	20	1.28	0.68	1.54
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	20	1.28	0.68	1.54
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	20	1.27	0.02	1.27
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	20	1.27	0.02	1.27
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	20	1.27	0.05	1.25
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	20	1.27	0.05	1.25
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	20	1.27	0.05	1.25
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	20	1.27	0.03	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	20	1.27	0.03	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	20	1.27	0.03	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	20	1.27	0.03	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	20	1.27	0.03	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	20	1.27	0.03	1.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	20	1.27	0.91	0.76
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	20	1.27	0.91	0.76
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	20	1.27	0.91	0.76
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	20	1.27	0.91	0.76
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	20	1.27	0.91	0.76
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	20	1.27	0.91	0.76
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	20	1.27	0.91	0.76
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	20	1.27	0.91	0.76
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	20	1.27	0.91	0.76
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	20	1.27	0.91	0.76
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	20	1.27	0.91	0.76
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	20	1.27	0.91	0.76
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	20	1.27	0.15	1.25
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	20	1.27	0.15	1.25
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	20	1.27	0.08	1.27
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	20	1.26	0.14	1.28
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	20	1.26	0.14	1.28
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	20	1.26	0.41	1.35
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	20	1.25	0.26	1.3
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	20	1.25	0.26	1.3
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	20	1.25	0.26	1.3
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	20	1.24	0.22	1.16
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	20	1.24	0.22	1.16
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	20	1.24	0.22	1.16
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	20	1.24	0.22	1.16
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	20	1.24	0.22	1.16
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	20	1.24	0.22	1.16
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	20	1.24	0.24	1.2
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	20	1.24	0.24	1.2
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	20	1.23	0.13	1.18
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	20	1.23	0.13	1.18
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	20	1.23	0.13	1.18
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	20	1.23	0.13	1.18
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	20	1.23	0.35	1.16
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	20	1.23	0.09	1.21
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	20	1.23	0.09	1.21
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	20	1.23	0.09	1.21
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	20	1.23	0.07	1.24
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	20	1.23	0.07	1.24
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	20	1.23	0.11	1.25
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	20	1.23	0.11	1.25
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	20	1.22	0.09	1.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	20	1.22	0.09	1.21
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	20	1.22	0.09	1.21
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	20	1.22	0.09	1.23
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	20	1.22	0.3	1.16
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	20	1.22	0.03	1.22
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	20	1.22	0.03	1.22
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	20	1.21	0.49	1.24
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	20	1.2	0.04	1.2
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	20	1.2	0.04	1.2
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	20	1.2	0.04	1.2
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	20	1.2	0.15	1.16
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	20	1.2	0.26	1.22
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	20	1.2	0.26	1.22
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	20	1.2	0.26	1.22
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	20	1.2	0.12	1.16
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	20	1.2	0.12	1.16
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	20	1.2	0.73	1.62
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	20	1.2	0.73	1.62
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	20	1.19	0.22	1.19
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	20	1.19	0.22	1.19
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	20	1.19	0.22	1.19
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	20	1.19	0.22	1.19
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	20	1.19	0.03	1.19
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	20	1.19	0.03	1.19
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	20	1.19	0.27	1.19
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	20	1.19	0.27	1.19
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	20	1.19	0.27	1.19
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	20	1.19	0.38	1.1
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	20	1.19	0.38	1.1
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	20	1.19	0.38	1.1
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	20	1.19	0.05	1.19
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	20	1.18	0.23	1.26
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	20	1.18	0.23	1.26
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	20	1.18	0.23	1.26
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	20	1.17	0.44	1.29
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	20	1.17	0.53	1.36
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	20	1.17	0.53	1.36
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	20	1.17	0.53	1.36
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	20	1.16	0.2	1.18
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	20	1.16	0.2	1.18
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	20	1.16	0.07	1.15
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	20	1.16	0.07	1.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	20	1.16	0.07	1.15
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	20	1.16	0.16	1.16
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	20	1.16	0.16	1.16
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	20	1.16	0.16	1.16
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	20	1.16	0.25	1.18
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	20	1.16	0.25	1.18
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	20	1.15	0.22	1.19
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	20	1.15	0.22	1.19
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	20	1.15	0.22	1.19
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	20	1.15	0.22	1.19
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	20	1.14	0.09	1.16
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	20	1.14	0.09	1.16
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	20	1.14	0.09	1.16
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	20	1.14	0.21	1.14
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	20	1.14	0.21	1.14
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	20	1.14	0.21	1.14
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	20	1.13	0.71	0.83
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	20	1.13	0.71	0.83
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	20	1.13	0.15	1.15
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	20	1.13	0.15	1.15
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	20	1.13	0.15	1.15
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	20	1.13	0.16	1.15
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	20	1.13	0.16	1.15
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	20	1.13	0.16	1.15
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	20	1.12	0.09	1.15
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	20	1.12	0.09	1.15
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	20	1.11	0.46	1.35
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	20	1.11	0.05	1.12
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	20	1.11	0.05	1.12
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	20	1.11	0.05	1.12
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	20	1.11	0.35	1.1
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	20	1.11	0.35	1.1
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	20	1.11	0.35	1.1
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	20	1.11	0.35	1.1
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	20	1.11	0.23	1.16
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	20	1.11	0.16	1.14
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	20	1.11	0.16	1.14
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	20	1.11	0.16	1.14
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	20	1.11	0.16	1.14
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	20	1.11	0.04	1.1
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	20	1.11	0.04	1.1
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	20	1.11	0.04	1.1

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	20	1.11	0.04	1.1
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	20	1.11	0.04	1.1
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	20	1.11	0.04	1.1
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	20	1.11	0.04	1.1
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	20	1.11	0.04	1.1
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	20	1.11	0.04	1.1
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	20	1.11	0.09	1.11
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	20	1.11	0.04	1.11
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	20	1.09	0.12	1.12
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	20	1.08	0.06	1.07
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	20	1.08	0.06	1.07
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	20	1.08	0.06	1.07
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	20	1.08	0.17	1.13
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	20	1.08	0.17	1.13
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	20	1.07	0.09	1.08
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	20	1.07	0.16	1.08
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	20	1.07	0.16	1.08
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	20	1.07	0.16	1.08
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	20	1.07	0.16	1.08
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	20	1.06	0.13	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	20	1.06	0.13	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	20	1.06	0.13	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	20	1.06	0.13	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	20	1.06	0.13	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	20	1.06	0.13	1.1
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	20	1.06	0.04	1.06
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	20	1.06	0.2	1.05
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	20	1.06	0.47	1.29
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	20	1.05	0.13	1.05
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	20	1.05	0.13	1.05
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	20	1.04	0.22	1.07
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	20	1.04	0.22	1.07
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	20	1.04	0.22	1.07
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	20	1.04	0.46	1.28
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	20	1.04	0.64	1.06
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	20	1.04	0.11	1.03
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	20	1.04	0.11	1.03
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	20	1.04	0.11	1.03
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	20	1.04	0.11	1.03
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	20	1.04	0.11	1.03
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	20	1.04	0.11	1.03
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	20	1.04	0.11	1.03

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	20	1.04	0.11	1.03
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	20	1.04	0.11	1.03
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	20	1.04	0.11	1.03
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	20	1.04	0.11	1.03
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	20	1.04	0.11	1.03
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	20	1.04	0.11	1.03
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	20	1.04	0.11	1.03
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	20	1.04	0.11	1.03
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	20	1.04	0.11	1.03
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	20	1.04	0.11	1.03
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	20	1.04	0.11	1.03
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	20	1.03	0.03	1.03
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	20	1.03	0.06	1.05
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	20	1.03	0.06	1.05
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	20	1.03	0.06	1.05
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	20	1.03	0.06	1.05
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	20	1.03	0.06	1.05
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	20	1.03	0.06	1.05
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	20	1.03	0.35	0.82
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	20	1.03	0.35	0.82
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	20	1.03	0.15	1.09
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	20	1.03	0.15	1.09
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	20	1.03	0.03	1.03
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	20	1.03	0.03	1.03
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	20	1.03	0.03	1.03
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	20	1.03	0.13	1.02
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	20	1.03	0.13	1.02
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	20	1.03	0.13	1.02
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	20	1.02	0.17	1.02
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	20	1.02	0.05	1.02
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	20	1.02	0.19	1.0
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	20	1.02	0.83	0.66
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	20	1.02	0.83	0.66
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	20	1.02	0.83	0.66
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	20	1.02	0.83	0.66
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	20	1.02	0.83	0.66
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	20	1.02	0.83	0.66
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	20	1.02	0.83	0.66
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	20	1.02	0.83	0.66
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	20	1.02	0.83	0.66
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	20	1.02	0.83	0.66
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	20	1.02	0.83	0.66

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	20	1.02	0.83	0.66
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	20	1.02	0.83	0.66
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	20	1.02	0.83	0.66
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	20	1.02	0.83	0.66
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	20	1.02	0.83	0.66
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	20	1.02	0.83	0.66
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	20	1.02	0.83	0.66
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	20	1.02	0.27	0.86
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	20	1.02	0.27	0.86
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	20	1.01	0.15	1.03
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	20	1.01	0.15	1.03
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	20	1.01	0.15	1.03
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	20	1.01	0.08	1.04
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	20	1.01	0.08	1.04
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	20	1.01	0.08	1.04
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	20	1.01	0.13	0.97
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	20	1.01	0.42	1.0
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	20	1.01	0.42	1.0
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	20	1.01	0.42	1.0
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	20	1.01	0.03	1.01
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	20	1.0	0.04	1.01
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	20	1.0	0.04	1.01
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	20	1.0	0.04	1.01
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	20	1.0	0.13	1.0
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	20	1.0	0.13	1.0
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	20	1.0	0.13	1.0
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	20	1.0	0.04	1.0
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	20	1.0	0.04	1.0
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	20	1.0	0.65	0.72
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	20	1.0	0.65	0.72
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	20	1.0	0.29	1.06
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	20	1.0	0.17	1.01
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	20	1.0	0.17	1.01
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	20	1.0	0.12	0.95
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	20	1.0	0.12	0.95
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	20	1.0	0.12	0.95
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	20	1.0	0.08	0.98
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	20	1.0	0.08	0.98
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	20	0.98	0.17	0.96
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	20	0.98	0.17	0.96
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	20	0.98	0.17	0.96
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	20	0.98	0.17	0.96

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	20	0.98	0.17	0.96
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	20	0.98	0.17	0.96
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	20	0.98	0.17	0.96
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	20	0.98	0.17	0.96
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	20	0.98	0.17	0.96
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	20	0.97	0.15	0.94
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	20	0.97	0.15	0.94
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	20	0.97	0.15	0.94
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	20	0.97	0.07	0.98
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	20	0.97	0.07	0.98
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	20	0.97	0.07	0.98
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	20	0.97	0.05	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	20	0.97	0.05	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	20	0.97	0.05	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	20	0.97	0.05	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	20	0.97	0.05	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	20	0.97	0.05	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	20	0.97	0.05	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	20	0.97	0.05	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	20	0.97	0.05	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	20	0.97	0.05	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	20	0.97	0.05	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	20	0.97	0.05	0.99
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	20	0.97	0.31	1.08
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	20	0.97	0.26	1.05
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	20	0.96	0.35	1.15
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	20	0.96	0.35	0.93
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	20	0.96	0.35	0.93
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	20	0.94	0.11	0.91
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	20	0.94	0.11	0.91
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	20	0.94	0.11	0.91
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	20	0.93	0.12	0.92
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	20	0.93	0.12	0.92
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	20	0.93	0.12	0.92
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	20	0.93	0.4	0.72
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	20	0.93	0.4	0.72
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	20	0.92	0.06	0.93
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	20	0.92	0.06	0.93
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	20	0.92	0.06	0.93
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	20	0.92	0.14	0.88
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	20	0.92	0.14	0.88
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	20	0.92	0.14	0.88

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	20	0.92	0.14	0.88
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	20	0.92	0.14	0.88
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	20	0.92	0.14	0.88
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	20	0.92	0.35	1.04
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	20	0.92	0.07	0.95
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	20	0.91	0.11	0.9
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	20	0.91	0.11	0.9
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	20	0.91	0.07	0.9
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	20	0.9	0.19	0.91
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	20	0.87	0.39	0.74
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	20	0.87	0.39	0.74
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	20	0.87	0.34	0.94
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	20	0.87	0.34	0.94
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	20	0.87	0.34	0.94
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	20	0.87	0.34	0.94
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	20	0.87	0.34	0.94
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	20	0.87	0.34	0.94
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	20	0.87	0.31	1.06
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	20	0.87	0.08	0.9
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	20	0.85	0.16	0.84
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	20	0.85	0.16	0.84
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	20	0.85	0.16	0.84
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	20	0.85	0.16	0.84
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	20	0.85	0.16	0.84
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	20	0.85	0.16	0.84
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	20	0.85	0.18	0.87
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	20	0.85	0.18	0.87
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	20	0.85	0.45	1.15
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	20	0.85	0.45	1.15
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	20	0.85	0.03	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	20	0.85	0.03	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	20	0.85	0.03	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	20	0.85	0.03	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	20	0.85	0.03	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	20	0.85	0.03	0.84
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	20	0.84	0.2	0.9
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	20	0.84	0.22	0.9
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	20	0.84	0.15	0.8
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	20	0.84	0.15	0.8
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	20	0.84	0.15	0.8
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	20	0.84	0.09	0.8
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	20	0.83	0.05	0.83

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	20	0.83	0.05	0.83
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	20	0.83	0.05	0.83
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	20	0.83	0.23	0.91
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	20	0.83	0.23	0.91
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	20	0.83	0.23	0.91
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	20	0.83	0.23	0.91
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	20	0.83	0.23	0.91
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	20	0.83	0.23	0.91
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	20	0.83	0.21	0.88
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	20	0.83	0.21	0.88
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	20	0.83	0.21	0.88
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	20	0.83	0.6	0.5
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	20	0.83	0.6	0.5
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	20	0.83	0.6	0.5
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	20	0.82	0.11	0.78
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	20	0.82	0.11	0.78
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	20	0.82	0.11	0.78
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	20	0.81	0.29	0.86
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	20	0.81	0.18	0.86
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	20	0.81	0.18	0.86
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	20	0.8	0.16	0.84
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	20	0.8	0.16	0.84
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	20	0.8	0.16	0.84
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	20	0.8	0.12	0.81
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	20	0.8	0.1	0.8
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	20	0.8	0.1	0.8
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	20	0.8	0.1	0.8
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	20	0.8	0.54	0.52
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	20	0.8	0.54	0.52
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	20	0.8	0.49	0.46
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	20	0.8	0.49	0.46
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	20	0.79	0.43	0.91
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	20	0.79	0.34	0.9
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	20	0.79	0.38	0.82
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	20	0.79	0.16	0.8
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	20	0.79	0.21	0.82
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	20	0.79	0.24	0.88
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	20	0.79	0.05	0.79
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	20	0.79	0.05	0.79
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	20	0.78	0.04	0.79
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	20	0.78	0.04	0.79
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	20	0.78	0.04	0.79

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	20	0.78	0.13	0.76
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	20	0.78	0.13	0.76
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	20	0.78	0.13	0.76
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	20	0.77	0.05	0.76
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	20	0.77	0.05	0.76
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	20	0.77	0.05	0.76
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	20	0.77	0.76	0.3
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	20	0.77	0.12	0.77
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	20	0.77	0.1	0.78
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	20	0.77	0.06	0.77
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	20	0.77	0.06	0.77
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	20	0.77	0.06	0.77
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	20	0.76	0.23	0.66
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	20	0.75	0.13	0.74
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	20	0.75	0.13	0.74
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	20	0.75	0.13	0.74
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	20	0.75	0.09	0.78
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	20	0.75	0.12	0.77
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	20	0.74	0.4	0.68
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	20	0.74	0.38	0.64
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	20	0.74	0.35	0.6
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	20	0.74	0.35	0.6
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	20	0.74	0.12	0.79
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	20	0.74	0.12	0.79
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	20	0.74	0.03	0.74
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	20	0.74	0.03	0.74
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	20	0.73	0.65	0.23
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	20	0.73	0.65	0.23
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	20	0.73	0.65	0.23
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	20	0.73	0.05	0.72
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	20	0.73	0.05	0.72
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	20	0.73	0.05	0.72
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	20	0.73	0.05	0.72
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	20	0.73	0.05	0.72
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	20	0.73	0.05	0.72
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	20	0.73	0.04	0.72
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	20	0.73	0.04	0.72
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	20	0.73	0.04	0.72
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	20	0.73	0.04	0.72
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	20	0.73	0.04	0.72
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	20	0.73	0.04	0.72
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	20	0.73	0.04	0.72

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	20	0.73	0.04	0.72
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	20	0.73	0.04	0.72
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	20	0.73	0.49	0.36
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	20	0.73	0.08	0.72
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	20	0.73	0.08	0.72
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	20	0.72	0.13	0.75
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	20	0.72	0.13	0.75
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	20	0.72	0.13	0.75
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	20	0.72	0.06	0.74
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	20	0.72	0.06	0.74
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	20	0.72	0.23	0.76
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	20	0.72	0.03	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	20	0.72	0.03	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	20	0.72	0.03	0.71
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	20	0.72	0.09	0.73
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	20	0.72	0.03	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	20	0.72	0.03	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	20	0.72	0.03	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	20	0.72	0.03	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	20	0.72	0.03	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	20	0.72	0.03	0.72
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	20	0.71	0.28	0.68
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	20	0.71	0.03	0.71
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	20	0.71	0.03	0.71
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	20	0.71	0.03	0.71
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	20	0.71	0.13	0.75
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	20	0.71	0.5	0.37
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	20	0.7	0.21	0.7
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	20	0.7	0.07	0.72
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	20	0.7	0.07	0.72
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	20	0.7	0.07	0.72
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	20	0.7	0.02	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	20	0.7	0.02	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	20	0.7	0.02	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	20	0.7	0.02	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	20	0.7	0.02	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	20	0.7	0.02	0.7
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	20	0.7	0.04	0.7
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	20	0.7	0.11	0.72
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	20	0.7	0.11	0.72
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	20	0.7	0.11	0.72
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	20	0.68	0.09	0.7

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	20	0.68	0.09	0.7
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	20	0.68	0.09	0.7
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	20	0.68	0.36	0.75
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	20	0.68	0.36	0.75
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	20	0.68	0.36	0.75
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	20	0.68	0.17	0.74
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	20	0.68	0.17	0.74
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	20	0.66	0.17	0.6
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	20	0.66	0.17	0.6
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	20	0.66	0.17	0.6
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	20	0.66	0.17	0.6
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	20	0.66	0.17	0.6
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	20	0.66	0.17	0.6
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	20	0.66	0.17	0.6
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	20	0.66	0.17	0.6
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	20	0.66	0.17	0.6
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	20	0.66	0.17	0.6
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	20	0.66	0.17	0.6
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	20	0.66	0.17	0.6
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	20	0.65	0.52	0.28
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	20	0.65	0.52	0.28
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	20	0.65	0.08	0.64
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	20	0.65	0.08	0.64
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	20	0.65	0.08	0.64
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	20	0.64	0.27	0.54
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	20	0.64	0.27	0.54
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	20	0.64	0.27	0.54
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	20	0.64	0.27	0.54
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	20	0.64	0.06	0.65
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	20	0.64	0.17	0.62
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	20	0.64	0.05	0.64
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	20	0.64	0.23	0.5
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	20	0.63	0.3	0.62
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	20	0.63	0.3	0.62
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	20	0.63	0.3	0.62
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	20	0.63	0.3	0.62
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	20	0.63	0.3	0.62
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	20	0.63	0.3	0.62
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	20	0.63	0.23	0.67
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	20	0.63	0.23	0.67
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	20	0.63	0.23	0.67
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	20	0.63	0.24	0.68

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	20	0.63	0.14	0.63
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	20	0.63	0.14	0.63
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	20	0.63	0.14	0.63
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	20	0.63	0.14	0.63
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	20	0.63	0.14	0.63
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	20	0.63	0.14	0.63
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	20	0.63	0.14	0.63
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	20	0.63	0.14	0.63
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	20	0.63	0.14	0.63
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	20	0.63	0.14	0.63
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	20	0.63	0.14	0.63
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	20	0.63	0.14	0.63
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	20	0.62	0.19	0.62
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	20	0.62	0.19	0.62
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	20	0.62	0.19	0.62
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	20	0.62	0.06	0.62
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	20	0.62	0.06	0.62
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	20	0.62	0.12	0.6
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	20	0.62	0.12	0.6
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	20	0.62	0.12	0.6
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	20	0.61	0.23	0.52
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	20	0.61	0.1	0.6
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	20	0.61	0.48	0.3
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	20	0.6	0.34	0.44
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	20	0.6	0.04	0.59
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	20	0.6	0.04	0.59
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	20	0.6	0.04	0.59
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	20	0.6	0.04	0.59
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	20	0.6	0.04	0.59
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	20	0.6	0.04	0.59
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	20	0.6	0.04	0.59
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	20	0.6	0.04	0.59
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	20	0.6	0.04	0.59
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	20	0.6	0.17	0.65
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	20	0.6	0.17	0.65
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	20	0.6	0.17	0.65
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	20	0.6	0.2	0.48
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	20	0.6	0.2	0.48
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	20	0.6	0.2	0.48
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	20	0.6	0.39	0.44
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	20	0.6	0.39	0.44
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	20	0.6	0.39	0.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	20	0.6	0.33	0.42
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	20	0.6	0.04	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	20	0.6	0.04	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	20	0.6	0.04	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	20	0.6	0.04	0.58
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	20	0.59	0.34	0.45
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	20	0.59	0.34	0.45
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	20	0.59	0.34	0.45
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	20	0.59	0.34	0.45
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	20	0.59	0.34	0.45
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	20	0.59	0.34	0.45
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	20	0.59	0.45	0.28
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	20	0.59	0.05	0.6
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	20	0.59	0.05	0.6
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	20	0.59	0.05	0.6
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	20	0.59	0.05	0.6
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	20	0.59	0.26	0.42
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	20	0.59	0.26	0.42
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	20	0.59	0.04	0.58
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	20	0.59	0.04	0.58
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	20	0.59	0.04	0.58
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	20	0.59	0.04	0.58
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	20	0.59	0.06	0.57
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	20	0.59	0.14	0.62
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	20	0.59	0.09	0.6
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	20	0.58	0.33	0.44
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	20	0.58	0.33	0.44
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	20	0.58	0.14	0.62
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	20	0.58	0.14	0.62
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	20	0.58	0.14	0.62
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	20	0.58	0.14	0.55
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	20	0.58	0.14	0.55
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	20	0.58	0.26	0.45
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	20	0.58	0.26	0.45
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	20	0.58	0.34	0.41
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	20	0.58	0.34	0.41
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	20	0.57	0.59	0.33
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	20	0.57	0.21	0.68
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	20	0.57	0.21	0.68
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	20	0.57	0.21	0.68
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	20	0.57	0.21	0.68
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	20	0.57	0.29	0.62

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	20	0.56	0.07	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	20	0.56	0.07	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	20	0.56	0.07	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	20	0.56	0.07	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	20	0.56	0.07	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	20	0.56	0.07	0.57
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	20	0.56	0.22	0.45
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	20	0.56	0.42	0.44
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	20	0.56	0.24	0.44
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	20	0.56	0.24	0.44
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	20	0.56	0.24	0.44
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	20	0.56	0.26	0.71
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	20	0.56	0.26	0.71
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	20	0.56	0.26	0.71
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	20	0.56	0.26	0.71
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	20	0.56	0.26	0.71
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	20	0.56	0.26	0.71
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	20	0.55	0.17	0.52
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	20	0.55	0.17	0.52
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	20	0.55	0.17	0.52
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	20	0.55	0.17	0.52
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	20	0.55	0.17	0.52
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	20	0.55	0.17	0.52
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	20	0.55	0.2	0.46
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	20	0.55	0.17	0.48
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	20	0.55	0.21	0.56
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	20	0.55	0.14	0.52
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	20	0.55	0.14	0.52
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	20	0.55	0.14	0.52
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	20	0.54	0.16	0.48
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	20	0.54	0.16	0.48
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	20	0.54	0.16	0.48
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	20	0.54	0.16	0.48
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	20	0.54	0.16	0.48
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	20	0.54	0.16	0.48
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	20	0.54	0.27	0.44
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	20	0.54	0.27	0.44
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	20	0.54	0.27	0.44
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	20	0.54	0.18	0.51
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	20	0.54	0.18	0.51
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	20	0.54	0.05	0.52
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	20	0.54	0.09	0.51

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	20	0.54	0.09	0.51
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	20	0.54	0.09	0.51
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	20	0.54	0.09	0.52
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	20	0.54	0.23	0.54
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	20	0.54	0.14	0.5
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	20	0.53	0.14	0.54
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	20	0.53	0.14	0.54
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	20	0.53	0.14	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	20	0.53	0.02	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	20	0.53	0.02	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	20	0.53	0.02	0.54
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	20	0.53	0.07	0.54
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	20	0.53	0.09	0.52
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	20	0.53	0.1	0.55
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	20	0.52	0.04	0.52
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	20	0.52	0.03	0.52
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	20	0.52	0.31	0.42
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	20	0.52	0.14	0.48
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	20	0.52	0.14	0.48
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	20	0.52	0.1	0.5
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	20	0.52	0.13	0.47
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	20	0.52	0.13	0.47
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	20	0.52	0.13	0.47
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	20	0.52	0.26	0.44
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	20	0.52	0.26	0.44
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	20	0.52	0.26	0.44
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	20	0.52	0.26	0.44
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	20	0.52	0.26	0.44
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	20	0.52	0.26	0.44
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	20	0.52	0.12	0.5
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	20	0.52	0.12	0.5
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	20	0.52	0.05	0.5
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	20	0.52	0.05	0.5
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	20	0.52	0.05	0.5
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	20	0.52	0.15	0.47
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	20	0.52	0.09	0.53
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	20	0.52	0.09	0.53
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	20	0.52	0.09	0.53
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	20	0.52	0.04	0.5
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	20	0.52	0.04	0.5
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	20	0.52	0.04	0.5
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	20	0.51	0.35	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	20	0.51	0.35	0.42
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	20	0.51	0.23	0.44
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	20	0.51	0.16	0.49
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	20	0.51	0.12	0.46
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	20	0.51	0.12	0.46
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	20	0.51	0.12	0.46
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	20	0.5	0.06	0.48
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	20	0.5	0.09	0.48
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	20	0.5	0.09	0.48
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	20	0.5	0.05	0.48
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	20	0.5	0.15	0.46
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	20	0.5	0.09	0.48
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	20	0.5	0.1	0.46
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	20	0.5	0.1	0.46
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	20	0.5	0.1	0.46
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	20	0.5	0.1	0.46
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	20	0.5	0.1	0.46
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	20	0.5	0.1	0.46
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	20	0.5	0.02	0.49
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	20	0.49	0.08	0.47
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	20	0.49	0.1	0.52
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	20	0.49	0.1	0.52
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	20	0.49	0.1	0.52
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	20	0.49	0.1	0.52
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	20	0.49	0.2	0.46
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	20	0.49	0.2	0.46
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	20	0.49	0.2	0.46
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	20	0.49	0.33	0.3
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	20	0.49	0.33	0.3
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	20	0.49	0.33	0.3
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	20	0.48	0.05	0.48
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	20	0.48	0.05	0.48
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	20	0.48	0.05	0.48
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	20	0.48	0.05	0.48
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	20	0.48	0.06	0.48
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	20	0.48	0.1	0.48
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	20	0.48	0.35	0.35
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	20	0.48	0.07	0.46
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	20	0.48	0.07	0.46
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	20	0.48	0.14	0.44
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	20	0.48	0.14	0.44
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	20	0.48	0.29	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	20	0.47	0.28	0.38
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	20	0.47	0.28	0.38
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	20	0.47	0.45	0.22
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	20	0.47	0.22	0.39
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	20	0.47	0.22	0.39
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	20	0.47	0.18	0.41
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	20	0.46	0.46	0.32
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	20	0.46	0.46	0.32
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	20	0.46	0.09	0.44
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	20	0.46	0.09	0.44
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	20	0.46	0.09	0.44
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	20	0.46	0.09	0.44
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	20	0.46	0.24	0.38
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	20	0.46	0.24	0.38
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	20	0.46	0.24	0.38
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	20	0.46	0.24	0.38
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	20	0.46	0.24	0.38
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	20	0.46	0.24	0.38
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	20	0.46	0.2	0.43
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	20	0.46	0.2	0.43
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	20	0.46	0.2	0.43
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	20	0.46	0.03	0.46
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	20	0.46	0.03	0.46
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	20	0.46	0.03	0.46
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	20	0.46	0.21	0.38
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	20	0.46	0.06	0.46
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	20	0.46	0.06	0.46
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	20	0.46	0.06	0.46
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	20	0.46	0.3	0.31
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	20	0.46	0.1	0.44
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	20	0.46	0.1	0.44
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	20	0.46	0.1	0.44
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	20	0.46	0.05	0.47
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	20	0.46	0.05	0.47
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	20	0.45	0.31	0.32
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	20	0.45	0.31	0.32
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	20	0.45	0.31	0.32
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	20	0.45	0.01	0.45
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	20	0.45	0.16	0.42
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	20	0.45	0.08	0.45
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	20	0.45	0.05	0.45
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	20	0.45	0.05	0.45

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	20	0.44	0.35	0.3
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	20	0.44	0.26	0.37
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	20	0.44	0.26	0.37
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	20	0.44	0.09	0.44
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	20	0.44	0.09	0.44
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	20	0.44	0.09	0.44
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	20	0.44	0.02	0.44
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	20	0.44	0.05	0.46
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	20	0.44	0.46	0.3
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	20	0.44	0.03	0.44
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	20	0.44	0.03	0.44
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	20	0.44	0.03	0.44
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	20	0.43	0.24	0.36
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	20	0.43	0.24	0.36
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	20	0.43	0.24	0.36
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	20	0.43	0.23	0.3
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	20	0.43	0.23	0.3
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	20	0.43	0.1	0.39
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	20	0.43	0.1	0.39
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	20	0.43	0.1	0.39
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	20	0.43	0.22	0.38
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	20	0.42	0.04	0.43
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	20	0.42	0.3	0.33
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	20	0.42	0.3	0.33
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	20	0.42	0.3	0.33
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	20	0.42	0.3	0.33
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	20	0.42	0.3	0.33
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	20	0.42	0.3	0.33
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	20	0.42	0.04	0.42
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	20	0.42	0.04	0.42
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	20	0.42	0.04	0.42
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	20	0.42	0.04	0.42
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	20	0.42	0.1	0.4
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	20	0.42	0.03	0.42
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	20	0.42	0.03	0.42
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	20	0.42	0.08	0.45
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	20	0.42	0.08	0.45
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	20	0.42	0.07	0.41
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	20	0.42	0.07	0.41
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	20	0.42	0.07	0.41
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	20	0.42	0.07	0.41
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	20	0.42	0.07	0.41

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	20	0.42	0.07	0.41
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	20	0.41	0.17	0.38
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	20	0.41	0.2	0.34
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	20	0.41	0.06	0.42
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	20	0.41	0.06	0.42
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	20	0.41	0.06	0.42
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	20	0.41	0.06	0.42
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	20	0.41	0.06	0.42
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	20	0.41	0.06	0.42
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	20	0.41	0.23	0.36
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	20	0.41	0.23	0.36
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	20	0.41	0.02	0.41
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	20	0.41	0.03	0.41
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	20	0.41	0.03	0.42
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	20	0.41	0.03	0.41
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	20	0.41	0.05	0.38
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	20	0.41	0.05	0.38
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	20	0.41	0.05	0.38
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	20	0.41	0.05	0.38
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	20	0.41	0.14	0.39
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	20	0.41	0.14	0.39
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	20	0.41	0.04	0.41
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	20	0.41	0.04	0.41
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	20	0.41	0.17	0.4
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	20	0.41	0.17	0.4
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	20	0.41	0.17	0.4
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	20	0.41	0.32	0.3
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	20	0.41	0.32	0.3
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	20	0.41	0.32	0.3
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	20	0.41	0.32	0.3
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	20	0.41	0.32	0.3
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	20	0.41	0.32	0.3
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	20	0.41	0.09	0.39
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	20	0.41	0.09	0.39
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	20	0.41	0.04	0.4
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	20	0.41	0.06	0.42
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	20	0.41	0.05	0.42
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	20	0.41	0.1	0.38
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	20	0.4	0.04	0.4
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	20	0.4	0.02	0.4
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	20	0.4	0.02	0.4
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	20	0.4	0.02	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	20	0.4	0.03	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	20	0.4	0.03	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	20	0.4	0.03	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	20	0.4	0.03	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	20	0.4	0.03	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	20	0.4	0.03	0.4
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	20	0.4	0.06	0.42
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	20	0.4	0.06	0.42
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	20	0.4	0.06	0.42
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	20	0.4	0.02	0.4
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	20	0.4	0.05	0.4
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	20	0.4	0.11	0.39
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	20	0.4	0.04	0.4
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	20	0.4	0.04	0.4
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	20	0.4	0.04	0.4
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	20	0.4	0.09	0.39
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	20	0.4	0.09	0.39
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	20	0.4	0.18	0.33
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	20	0.4	0.2	0.37
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	20	0.4	0.2	0.37
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	20	0.4	0.2	0.37
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	20	0.4	0.2	0.37
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	20	0.4	0.2	0.37
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	20	0.4	0.2	0.37
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	20	0.4	0.09	0.4
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	20	0.39	0.07	0.39
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	20	0.39	0.07	0.39
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	20	0.39	0.07	0.39
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	20	0.39	0.25	0.28
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	20	0.39	0.2	0.36
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	20	0.39	0.06	0.4
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	20	0.39	0.06	0.4
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	20	0.39	0.06	0.4
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	20	0.39	0.06	0.4
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	20	0.39	0.06	0.4
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	20	0.39	0.06	0.4
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	20	0.39	0.03	0.39
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	20	0.39	0.03	0.39
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	20	0.39	0.06	0.4
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	20	0.39	0.06	0.4
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	20	0.39	0.07	0.4
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	20	0.39	0.07	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	20	0.39	0.06	0.38
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	20	0.39	0.05	0.4
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	20	0.39	0.09	0.4
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	20	0.39	0.09	0.4
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	20	0.39	0.09	0.4
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	20	0.39	0.09	0.4
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	20	0.39	0.09	0.4
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	20	0.39	0.09	0.4
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	20	0.39	0.13	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	20	0.39	0.02	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	20	0.39	0.02	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	20	0.39	0.02	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	20	0.39	0.02	0.38
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	20	0.39	0.03	0.39
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	20	0.39	0.2	0.3
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	20	0.39	0.03	0.39
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	20	0.39	0.02	0.38
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	20	0.38	0.07	0.4
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	20	0.38	0.07	0.4
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	20	0.38	0.07	0.4
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	20	0.38	0.03	0.38
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	20	0.38	0.05	0.36
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	20	0.38	0.05	0.36
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	20	0.38	0.05	0.36
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	20	0.38	0.07	0.38
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	20	0.38	0.07	0.38
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	20	0.38	0.09	0.36
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	20	0.38	0.09	0.36
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	20	0.38	0.09	0.36
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	20	0.38	0.02	0.38
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	20	0.38	0.02	0.38
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	20	0.38	0.02	0.38
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	20	0.38	0.03	0.38
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	20	0.38	0.03	0.38
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	20	0.38	0.03	0.37
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	20	0.38	0.03	0.37
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	20	0.38	0.07	0.38
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	20	0.38	0.07	0.39
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	20	0.38	0.07	0.39
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	20	0.38	0.18	0.28
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	20	0.38	0.18	0.28
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	20	0.38	0.13	0.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	20	0.38	0.13	0.35
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	20	0.38	0.05	0.38
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	20	0.37	0.05	0.38
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	20	0.37	0.05	0.38
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	20	0.37	0.06	0.4
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	20	0.37	0.04	0.38
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	20	0.37	0.02	0.38
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	20	0.37	0.12	0.35
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	20	0.37	0.09	0.38
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	20	0.37	0.05	0.37
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	20	0.37	0.05	0.37
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	20	0.37	0.05	0.37
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	20	0.37	0.05	0.37
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	20	0.37	0.05	0.37
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	20	0.37	0.05	0.37
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	20	0.37	0.05	0.36
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	20	0.37	0.08	0.38
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	20	0.37	0.08	0.38
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	20	0.37	0.08	0.38
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	20	0.37	0.19	0.32
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	20	0.37	0.14	0.33
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	20	0.37	0.14	0.33
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	20	0.37	0.14	0.33
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	20	0.37	0.14	0.33
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	20	0.37	0.14	0.33
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	20	0.37	0.14	0.33
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	20	0.37	0.06	0.36
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	20	0.37	0.06	0.36
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	20	0.37	0.22	0.34
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	20	0.37	0.22	0.34
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	20	0.37	0.22	0.34
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	20	0.37	0.05	0.38
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	20	0.37	0.01	0.37
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	20	0.37	0.11	0.43
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	20	0.37	0.11	0.43
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	20	0.37	0.28	0.31
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	20	0.37	0.28	0.31
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	20	0.37	0.28	0.31
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	20	0.36	0.08	0.34
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	20	0.36	0.08	0.34
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	20	0.36	0.08	0.34
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	20	0.36	0.02	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	20	0.36	0.04	0.36
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	20	0.36	0.04	0.36
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	20	0.36	0.04	0.36
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	20	0.36	0.02	0.36
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	20	0.36	0.07	0.37
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	20	0.36	0.07	0.37
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	20	0.36	0.03	0.36
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	20	0.36	0.03	0.36
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	20	0.36	0.03	0.36
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	20	0.36	0.03	0.36
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	20	0.36	0.03	0.36
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	20	0.36	0.03	0.36
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	20	0.36	0.22	0.26
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	20	0.36	0.22	0.26
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	20	0.36	0.22	0.26
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	20	0.36	0.22	0.26
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	20	0.36	0.22	0.26
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	20	0.36	0.22	0.26
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	20	0.36	0.04	0.36
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	20	0.36	0.02	0.36
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	20	0.36	0.02	0.36
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	20	0.36	0.02	0.36
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	20	0.36	0.02	0.36
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	20	0.36	0.02	0.36
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	20	0.35	0.06	0.34
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	20	0.35	0.04	0.34
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	20	0.35	0.03	0.34
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	20	0.35	0.03	0.34
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	20	0.35	0.03	0.34
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	20	0.35	0.03	0.34
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	20	0.35	0.03	0.34
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	20	0.35	0.03	0.34
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	20	0.35	0.1	0.3
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	20	0.35	0.09	0.33
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	20	0.35	0.12	0.32
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	20	0.35	0.02	0.35
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	20	0.35	0.11	0.32
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	20	0.35	0.11	0.32
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	20	0.35	0.04	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	20	0.35	0.04	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	20	0.35	0.04	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	20	0.35	0.04	0.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	20	0.35	0.04	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	20	0.35	0.04	0.35
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	20	0.35	0.06	0.34
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	20	0.35	0.03	0.36
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	20	0.35	0.03	0.36
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	20	0.35	0.08	0.33
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	20	0.35	0.08	0.33
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	20	0.35	0.08	0.33
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	20	0.35	0.06	0.36
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	20	0.35	0.06	0.36
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	20	0.35	0.05	0.34
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	20	0.35	0.05	0.34
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	20	0.35	0.05	0.34
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	20	0.35	0.07	0.37
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	20	0.34	0.07	0.34
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	20	0.34	0.07	0.34
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	20	0.34	0.04	0.34
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	20	0.34	0.05	0.34
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	20	0.34	0.03	0.34
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	20	0.34	0.08	0.34
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	20	0.34	0.04	0.34
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	20	0.34	0.03	0.34
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	20	0.34	0.08	0.34
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	20	0.34	0.08	0.34
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	20	0.33	0.05	0.34
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	20	0.33	0.11	0.32
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	20	0.33	0.11	0.32
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	20	0.33	0.11	0.32
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	20	0.33	0.03	0.34
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	20	0.33	0.04	0.34
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	20	0.33	0.11	0.29
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	20	0.33	0.11	0.29
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	20	0.33	0.13	0.31
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	20	0.33	0.13	0.31
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	20	0.33	0.13	0.31
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	20	0.33	0.02	0.34
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	20	0.33	0.02	0.34
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	20	0.33	0.14	0.39
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	20	0.33	0.14	0.39
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	20	0.33	0.02	0.33
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	20	0.33	0.08	0.3
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	20	0.33	0.03	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	20	0.33	0.04	0.33
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	20	0.33	0.07	0.35
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	20	0.33	0.07	0.35
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	20	0.33	0.03	0.33
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	20	0.33	0.05	0.32
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	20	0.33	0.04	0.33
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	20	0.33	0.06	0.33
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	20	0.33	0.06	0.33
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	20	0.33	0.13	0.32
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	20	0.33	0.13	0.32
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	20	0.33	0.09	0.36
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	20	0.32	0.04	0.32
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	20	0.32	0.04	0.32
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	20	0.32	0.14	0.32
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	20	0.32	0.05	0.32
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	20	0.32	0.03	0.32
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	20	0.32	0.07	0.32
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	20	0.32	0.07	0.32
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	20	0.32	0.07	0.32
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	20	0.32	0.06	0.32
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	20	0.32	0.06	0.32
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	20	0.32	0.06	0.32
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	20	0.32	0.04	0.32
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	20	0.32	0.04	0.32
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	20	0.32	0.04	0.32
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	20	0.32	0.07	0.3
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	20	0.32	0.27	0.26
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	20	0.32	0.27	0.26
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	20	0.32	0.27	0.26
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	20	0.32	0.27	0.26
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	20	0.32	0.27	0.26
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	20	0.32	0.27	0.26
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	20	0.32	0.05	0.31
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	20	0.32	0.05	0.3
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	20	0.32	0.04	0.31
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	20	0.32	0.03	0.31
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	20	0.32	0.03	0.31
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	20	0.31	0.06	0.33
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	20	0.31	0.06	0.33
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	20	0.31	0.06	0.33
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	20	0.31	0.04	0.32
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	20	0.31	0.07	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	20	0.31	0.07	0.3
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	20	0.31	0.07	0.3
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	20	0.31	0.06	0.3
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	20	0.31	0.06	0.3
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	20	0.31	0.09	0.32
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	20	0.31	0.05	0.3
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	20	0.31	0.05	0.3
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	20	0.31	0.12	0.31
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	20	0.31	0.04	0.29
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	20	0.31	0.04	0.29
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	20	0.31	0.04	0.29
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	20	0.31	0.07	0.32
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	20	0.31	0.06	0.3
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	20	0.3	0.1	0.29
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	20	0.3	0.06	0.31
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	20	0.3	0.01	0.3
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	20	0.3	0.03	0.3
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	20	0.3	0.05	0.3
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	20	0.3	0.05	0.3
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	20	0.3	0.05	0.3
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	20	0.3	0.04	0.3
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	20	0.3	0.04	0.3
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	20	0.3	0.04	0.3
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	20	0.3	0.04	0.3
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	20	0.3	0.04	0.3
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	20	0.3	0.08	0.3
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	20	0.3	0.08	0.3
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	20	0.3	0.08	0.3
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	20	0.3	0.03	0.29
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	20	0.3	0.05	0.3
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	20	0.3	0.08	0.3
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	20	0.3	0.08	0.3
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	20	0.3	0.08	0.3
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	20	0.3	0.08	0.3
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	20	0.3	0.08	0.3
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	20	0.3	0.08	0.3
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	20	0.3	0.05	0.29
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	20	0.3	0.05	0.29
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	20	0.3	0.07	0.29
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	20	0.3	0.08	0.29
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	20	0.29	0.07	0.31
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	20	0.29	0.07	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	20	0.29	0.07	0.31
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	20	0.29	0.08	0.3
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	20	0.29	0.04	0.29
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	20	0.29	0.03	0.29
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	20	0.29	0.1	0.26
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	20	0.29	0.1	0.26
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	20	0.29	0.1	0.26
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	20	0.29	0.1	0.26
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	20	0.29	0.1	0.26
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	20	0.29	0.1	0.26
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	20	0.29	0.09	0.3
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	20	0.29	0.09	0.3
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	20	0.29	0.09	0.3
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	20	0.29	0.08	0.3
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	20	0.29	0.08	0.3
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	20	0.29	0.22	0.22
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	20	0.29	0.22	0.22
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	20	0.29	0.04	0.3
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	20	0.29	0.08	0.28
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	20	0.29	0.08	0.28
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	20	0.29	0.08	0.28
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	20	0.29	0.08	0.28
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	20	0.29	0.08	0.28
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	20	0.29	0.08	0.28
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	20	0.29	0.08	0.26
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	20	0.29	0.08	0.26
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	20	0.29	0.06	0.28
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	20	0.29	0.06	0.28
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	20	0.29	0.07	0.28
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	20	0.29	0.07	0.28
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	20	0.29	0.07	0.28
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	20	0.28	0.1	0.26
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	20	0.28	0.1	0.26
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	20	0.28	0.26	0.23
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	20	0.28	0.26	0.23
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	20	0.28	0.07	0.28
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	20	0.28	0.08	0.25
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	20	0.28	0.08	0.25
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	20	0.28	0.03	0.28
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	20	0.28	0.05	0.29
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	20	0.28	0.05	0.29
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	20	0.28	0.05	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	20	0.28	0.05	0.29
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	20	0.28	0.07	0.27
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	20	0.28	0.07	0.27
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	20	0.28	0.07	0.27
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	20	0.28	0.07	0.27
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	20	0.28	0.09	0.26
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	20	0.28	0.09	0.26
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	20	0.28	0.09	0.26
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	20	0.28	0.09	0.26
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	20	0.28	0.09	0.26
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	20	0.28	0.09	0.26
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	20	0.28	0.09	0.26
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	20	0.28	0.09	0.26
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	20	0.28	0.09	0.26
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	20	0.28	0.04	0.26
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	20	0.28	0.04	0.26
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	20	0.27	0.02	0.28
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	20	0.27	0.07	0.28
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	20	0.27	0.06	0.29
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	20	0.27	0.06	0.29
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	20	0.27	0.1	0.22
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	20	0.27	0.1	0.22
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	20	0.27	0.06	0.26
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	20	0.27	0.05	0.26
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	20	0.27	0.04	0.27
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	20	0.27	0.09	0.24
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	20	0.27	0.09	0.24
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	20	0.26	0.12	0.24
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	20	0.26	0.12	0.24
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	20	0.26	0.12	0.24
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	20	0.26	0.12	0.24
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	20	0.26	0.12	0.24
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	20	0.26	0.12	0.24
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	20	0.26	0.12	0.24
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	20	0.26	0.12	0.24
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	20	0.26	0.12	0.24
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	20	0.26	0.05	0.27
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	20	0.26	0.08	0.26
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	20	0.26	0.08	0.26
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	20	0.26	0.05	0.26
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	20	0.26	0.09	0.26
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	20	0.26	0.03	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	20	0.26	0.03	0.26
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	20	0.26	0.03	0.26
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	20	0.26	0.05	0.25
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	20	0.26	0.12	0.24
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	20	0.26	0.12	0.24
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	20	0.26	0.12	0.24
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	20	0.26	0.07	0.25
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	20	0.26	0.07	0.25
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	20	0.26	0.07	0.25
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	20	0.26	0.07	0.25
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	20	0.26	0.07	0.25
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	20	0.26	0.07	0.25
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	20	0.26	0.07	0.25
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	20	0.26	0.07	0.25
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	20	0.26	0.07	0.25
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	20	0.26	0.07	0.25
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	20	0.26	0.07	0.25
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	20	0.26	0.07	0.25
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	20	0.26	0.09	0.28
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	20	0.26	0.11	0.22
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	20	0.26	0.11	0.22
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	20	0.26	0.11	0.22
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	20	0.26	0.11	0.22
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	20	0.26	0.11	0.22
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	20	0.26	0.11	0.22
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	20	0.26	0.04	0.24
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	20	0.25	0.04	0.24
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	20	0.25	0.03	0.25
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	20	0.25	0.05	0.26
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	20	0.25	0.05	0.26
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	20	0.25	0.05	0.26
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	20	0.25	0.06	0.23
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	20	0.25	0.07	0.24
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	20	0.25	0.07	0.24
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	20	0.25	0.07	0.24
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	20	0.25	0.07	0.24
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	20	0.25	0.05	0.25
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	20	0.25	0.03	0.26
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	20	0.25	0.03	0.26
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	20	0.25	0.04	0.24
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	20	0.25	0.04	0.25
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	20	0.25	0.05	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	20	0.25	0.04	0.24
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	20	0.25	0.06	0.24
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	20	0.24	0.19	0.18
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	20	0.24	0.19	0.18
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	20	0.24	0.3	0.18
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	20	0.24	0.3	0.18
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	20	0.24	0.3	0.18
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	20	0.24	0.04	0.24
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	20	0.24	0.04	0.24
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	20	0.24	0.04	0.24
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	20	0.24	0.06	0.26
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	20	0.24	0.06	0.26
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	20	0.24	0.06	0.26
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	20	0.24	0.06	0.26
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	20	0.24	0.06	0.26
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	20	0.24	0.06	0.26
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	20	0.24	0.04	0.24
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	20	0.24	0.07	0.24
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	20	0.24	0.06	0.22
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	20	0.24	0.03	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	20	0.24	0.01	0.24
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	20	0.24	0.01	0.24
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	20	0.24	0.01	0.24
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	20	0.24	0.01	0.24
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	20	0.24	0.06	0.22
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	20	0.24	0.06	0.23
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	20	0.24	0.06	0.23
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	20	0.24	0.06	0.23
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	20	0.23	0.02	0.23
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	20	0.23	0.02	0.23
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	20	0.23	0.06	0.21
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	20	0.23	0.04	0.22
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	20	0.23	0.04	0.22
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	20	0.23	0.04	0.22
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	20	0.22	0.04	0.22
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	20	0.22	0.03	0.22
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	20	0.22	0.03	0.22
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	20	0.22	0.11	0.18
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	20	0.22	0.07	0.21
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	20	0.22	0.07	0.21
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	20	0.22	0.07	0.21
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	20	0.22	0.07	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	20	0.22	0.07	0.21
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	20	0.22	0.07	0.21
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	20	0.22	0.07	0.21
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	20	0.22	0.07	0.21
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	20	0.22	0.07	0.21
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	20	0.22	0.07	0.21
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	20	0.22	0.07	0.21
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	20	0.22	0.07	0.21
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	20	0.22	0.05	0.2
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	20	0.22	0.05	0.2
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	20	0.22	0.04	0.22
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	20	0.22	0.04	0.22
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	20	0.22	0.03	0.22
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	20	0.21	0.07	0.21
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	20	0.21	0.07	0.21
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	20	0.21	0.07	0.21
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	20	0.21	0.04	0.21
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	20	0.21	0.04	0.21
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	20	0.21	0.04	0.21
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	20	0.21	0.05	0.22
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	20	0.21	0.04	0.2
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	20	0.21	0.03	0.22
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	20	0.21	0.06	0.2
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	20	0.21	0.06	0.2
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	20	0.21	0.03	0.21
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	20	0.21	0.03	0.21
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	20	0.21	0.03	0.21
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	20	0.2	0.03	0.2
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	20	0.2	0.03	0.19
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	20	0.2	0.03	0.19
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	20	0.2	0.05	0.18
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	20	0.2	0.05	0.18
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	20	0.2	0.03	0.2
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	20	0.2	0.03	0.2
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	20	0.19	0.04	0.19
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	20	0.19	0.04	0.19
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	20	0.19	0.04	0.19
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	20	0.19	0.04	0.2
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	20	0.19	0.03	0.19
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	20	0.19	0.03	0.19
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	20	0.19	0.03	0.19
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	20	0.19	0.02	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	20	0.19	0.02	0.19
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	20	0.19	0.02	0.19
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	20	0.18	0.04	0.17
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	20	0.18	0.02	0.18
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	20	0.18	0.02	0.18
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	20	0.18	0.02	0.18
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	20	0.18	0.02	0.18
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	20	0.18	0.02	0.18
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	20	0.18	0.02	0.18
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	20	0.18	0.04	0.17
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	20	0.17	0.04	0.18
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	20	0.17	0.04	0.18
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	20	0.17	0.03	0.18
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	20	0.17	0.03	0.18
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	20	0.17	0.03	0.18
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	20	0.17	0.04	0.16
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	20	0.16	0.04	0.15
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	20	0.16	0.04	0.15
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	20	0.16	0.04	0.15
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	20	0.16	0.03	0.16
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	20	0.16	0.03	0.15
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	20	0.16	0.02	0.15
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	20	0.16	0.02	0.15
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	20	0.16	0.02	0.15
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	20	0.15	0.02	0.15
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	20	0.14	0.02	0.15
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	19	1.57	0.28	1.52
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	19	1.57	0.28	1.52
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	19	1.5	0.34	1.56
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	19	1.37	0.11	1.41
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	19	1.37	0.11	1.41
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	19	1.37	0.11	1.41
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	19	1.37	0.11	1.41
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	19	1.37	0.11	1.41
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	19	1.37	0.11	1.41
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	19	1.23	0.49	1.47
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	19	1.23	0.49	1.47
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	19	1.23	0.49	1.47
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	19	1.21	0.06	1.2
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	19	1.21	0.06	1.2
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	19	1.11	0.11	1.15
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	19	1.11	0.11	1.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	19	1.08	0.55	1.25
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	19	1.08	0.55	1.25
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	19	1.05	0.2	1.11
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	19	0.94	0.38	1.09
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	19	0.94	0.38	1.09
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	19	0.91	0.55	0.86
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	19	0.88	0.18	0.93
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	19	0.74	0.51	0.45
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	19	0.7	0.08	0.72
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	19	0.7	0.29	0.68
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	19	0.7	0.29	0.68
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	19	0.7	0.29	0.68
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	19	0.7	0.29	0.68
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	19	0.7	0.29	0.68
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	19	0.7	0.29	0.68
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	19	0.68	0.25	0.75
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	19	0.66	0.57	0.29
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	19	0.63	0.09	0.66
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	19	0.63	0.09	0.66
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	19	0.63	0.09	0.66
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	19	0.63	0.09	0.66
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	19	0.63	0.09	0.66
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	19	0.63	0.09	0.66
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	19	0.63	0.09	0.66
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	19	0.63	0.09	0.66
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	19	0.63	0.09	0.66
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	19	0.61	0.37	0.47
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	19	0.6	0.52	0.29
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	19	0.6	0.52	0.29
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	19	0.59	0.2	0.52
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	19	0.59	0.2	0.52
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	19	0.59	0.32	0.64
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	19	0.51	0.32	0.35
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	19	0.51	0.32	0.35
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	19	0.49	0.1	0.52
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	19	0.49	0.1	0.52
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	19	0.49	0.1	0.52
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	19	0.49	0.1	0.52
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	19	0.47	0.25	0.37
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	19	0.47	0.25	0.37
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	19	0.47	0.25	0.37
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	19	0.46	0.31	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	19	0.46	0.31	0.32
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	19	0.46	0.31	0.32
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	19	0.45	0.32	0.32
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	19	0.44	0.35	0.29
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	19	0.44	0.35	0.29
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	19	0.44	0.14	0.53
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	19	0.44	0.25	0.34
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	19	0.44	0.25	0.34
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	19	0.43	0.11	0.41
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	19	0.42	0.22	0.33
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	19	0.42	0.22	0.33
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	19	0.42	0.29	0.26
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	19	0.42	0.29	0.26
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	19	0.42	0.29	0.26
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	19	0.41	0.27	0.32
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	19	0.41	0.27	0.32
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	19	0.39	0.17	0.35
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	19	0.39	0.3	0.27
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	19	0.39	0.3	0.27
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	19	0.39	0.3	0.27
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	19	0.39	0.33	0.29
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	19	0.39	0.33	0.29
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	19	0.39	0.33	0.29
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	19	0.36	0.15	0.3
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	19	0.36	0.15	0.3
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	19	0.36	0.15	0.3
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	19	0.36	0.15	0.3
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	19	0.36	0.05	0.36
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	19	0.36	0.05	0.36
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	19	0.35	0.19	0.31
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	19	0.35	0.26	0.23
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	19	0.35	0.26	0.23
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	19	0.35	0.26	0.23
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	19	0.34	0.21	0.26
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	19	0.34	0.21	0.26
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	19	0.34	0.21	0.26
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	19	0.34	0.21	0.26
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	19	0.34	0.21	0.26
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	19	0.34	0.21	0.26
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	19	0.34	0.21	0.26
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	19	0.34	0.21	0.26
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	19	0.34	0.21	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	19	0.34	0.11	0.34
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	19	0.34	0.11	0.34
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	19	0.34	0.11	0.34
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	19	0.34	0.11	0.34
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	19	0.34	0.11	0.36
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	19	0.34	0.11	0.36
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	19	0.34	0.11	0.36
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	19	0.34	0.11	0.36
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	19	0.34	0.11	0.36
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	19	0.34	0.11	0.36
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	19	0.34	0.11	0.36
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	19	0.34	0.11	0.36
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	19	0.34	0.11	0.36
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	19	0.34	0.11	0.36
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	19	0.34	0.11	0.36
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	19	0.34	0.11	0.36
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	19	0.33	0.09	0.34
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	19	0.33	0.09	0.34
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	19	0.33	0.09	0.34
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	19	0.33	0.12	0.33
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	19	0.32	0.17	0.28
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	19	0.32	0.17	0.28
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	19	0.32	0.15	0.28
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	19	0.32	0.11	0.33
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	19	0.32	0.11	0.33
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	19	0.32	0.11	0.33
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	19	0.32	0.08	0.35
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	19	0.32	0.08	0.35
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	19	0.31	0.14	0.29
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	19	0.31	0.18	0.23
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	19	0.31	0.18	0.23
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	19	0.3	0.08	0.31
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	19	0.3	0.08	0.31
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	19	0.3	0.07	0.33
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	19	0.3	0.07	0.33
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	19	0.3	0.07	0.33
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	19	0.3	0.17	0.22
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	19	0.3	0.17	0.22
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	19	0.3	0.17	0.22
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	19	0.3	0.1	0.32
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	19	0.3	0.09	0.28
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	19	0.3	0.05	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	19	0.29	0.05	0.3
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	19	0.29	0.05	0.3
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	19	0.29	0.05	0.3
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	19	0.29	0.22	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	19	0.29	0.22	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	19	0.29	0.22	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	19	0.29	0.22	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	19	0.29	0.22	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	19	0.29	0.22	0.22
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	19	0.29	0.09	0.28
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	19	0.28	0.08	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	19	0.28	0.08	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	19	0.28	0.08	0.26
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	19	0.28	0.07	0.3
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	19	0.28	0.11	0.3
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	19	0.28	0.11	0.26
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	19	0.28	0.11	0.26
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	19	0.28	0.11	0.28
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	19	0.28	0.11	0.28
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	19	0.28	0.12	0.25
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	19	0.28	0.12	0.25
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	19	0.28	0.12	0.25
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	19	0.28	0.12	0.25
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	19	0.26	0.04	0.26
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	19	0.26	0.04	0.26
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	19	0.26	0.05	0.25
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	19	0.26	0.05	0.25
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	19	0.26	0.05	0.25
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	19	0.26	0.05	0.25
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	19	0.26	0.1	0.22
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	19	0.26	0.1	0.22
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	19	0.26	0.07	0.26
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	19	0.26	0.08	0.23
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	19	0.26	0.08	0.23
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	19	0.26	0.08	0.23
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	19	0.25	0.09	0.27
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	19	0.25	0.09	0.27
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	19	0.25	0.06	0.27
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	19	0.25	0.06	0.27
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	19	0.25	0.06	0.27
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	19	0.25	0.06	0.27
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	19	0.25	0.06	0.27
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	19	0.25	0.06	0.27
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	19	0.25	0.07	0.25
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	19	0.25	0.07	0.25
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	19	0.25	0.07	0.25
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	19	0.24	0.06	0.22
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	19	0.24	0.06	0.22
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	19	0.24	0.06	0.22
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	19	0.24	0.06	0.22
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	19	0.24	0.06	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	19	0.24	0.06	0.22
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	19	0.24	0.07	0.24
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	19	0.24	0.07	0.24
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	19	0.24	0.07	0.24
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	19	0.24	0.05	0.23
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	19	0.24	0.05	0.23
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	19	0.24	0.07	0.25
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	19	0.23	0.09	0.23
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	19	0.23	0.08	0.22
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	19	0.23	0.08	0.22
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	19	0.23	0.08	0.22
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	19	0.23	0.07	0.24
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	19	0.23	0.07	0.24
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	19	0.23	0.07	0.24
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	19	0.22	0.07	0.22
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	19	0.22	0.05	0.21
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	19	0.22	0.05	0.21
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	19	0.22	0.04	0.23
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	19	0.22	0.06	0.21
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	19	0.21	0.04	0.21
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	19	0.21	0.04	0.21
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	19	0.21	0.04	0.21
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	19	0.21	0.06	0.22
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	19	0.21	0.05	0.21
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	19	0.21	0.05	0.21
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	19	0.21	0.05	0.21
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	19	0.2	0.04	0.2
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	19	0.2	0.04	0.2
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	19	0.2	0.07	0.19
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	19	0.2	0.07	0.19
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	19	0.2	0.07	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	19	0.2	0.05	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	19	0.2	0.05	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	19	0.2	0.05	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	19	0.2	0.05	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	19	0.2	0.05	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	19	0.2	0.05	0.19
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	19	0.2	0.03	0.21
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	19	0.2	0.03	0.2
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	19	0.19	0.03	0.19
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	19	0.19	0.05	0.19
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	19	0.19	0.05	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	19	0.19	0.05	0.19
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	19	0.19	0.05	0.19
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	19	0.19	0.05	0.19
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	19	0.19	0.05	0.19
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	19	0.19	0.05	0.19
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	19	0.19	0.05	0.19
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	19	0.19	0.05	0.19
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	19	0.19	0.05	0.19
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	19	0.19	0.05	0.19
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	19	0.19	0.05	0.19
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	19	0.19	0.06	0.2
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	19	0.19	0.06	0.2
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	19	0.18	0.04	0.18
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	19	0.18	0.04	0.18
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	19	0.18	0.04	0.19
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	19	0.16	0.04	0.15
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	19	0.13	0.01	0.13
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	18	1.22	0.64	1.1
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	18	1.18	0.6	1.53
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	18	1.18	0.6	1.53
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	18	1.08	0.56	1.35
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	18	1.08	0.56	1.35
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	18	1.08	0.56	1.35
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	18	1.03	0.39	1.25
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	18	1.03	0.39	1.25
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	18	1.03	0.39	1.25
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	18	1.03	0.39	1.25
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	18	1.03	0.39	1.25
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	18	1.03	0.39	1.25
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	18	1.03	0.39	1.25
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	18	1.03	0.39	1.25
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	18	1.03	0.39	1.25
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	18	1.03	0.39	1.25
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	18	1.03	0.39	1.25
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	18	1.03	0.39	1.25
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	18	1.03	0.39	1.25
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	18	1.03	0.39	1.25
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	18	1.03	0.39	1.25
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	18	1.03	0.39	1.25
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	18	1.03	0.39	1.25
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	18	1.03	0.39	1.25
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	18	0.99	0.77	0.98

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	18	0.99	0.77	0.98
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	18	0.91	0.38	1.1
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	18	0.84	0.28	0.91
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	18	0.84	0.28	0.91
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	18	0.76	0.33	0.8
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	18	0.76	0.33	0.8
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	18	0.76	0.33	0.8
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	18	0.76	0.33	0.8
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	18	0.76	0.33	0.8
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	18	0.76	0.33	0.8
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	18	0.72	0.51	0.73
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	18	0.69	0.47	0.5
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	18	0.58	0.31	0.43
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	18	0.58	0.31	0.43
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	18	0.55	0.6	0.2
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	18	0.55	0.38	0.42
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	18	0.55	0.38	0.42
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	18	0.55	0.38	0.42
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	18	0.49	0.37	0.34
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	18	0.49	0.37	0.34
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	18	0.48	0.17	0.44
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	18	0.47	0.39	0.32
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	18	0.47	0.39	0.32
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	18	0.47	0.39	0.32
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	18	0.47	0.39	0.32
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	18	0.47	0.39	0.32
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	18	0.47	0.39	0.32
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	18	0.47	0.34	0.3
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	18	0.45	0.16	0.44
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	18	0.43	0.28	0.34
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	18	0.43	0.06	0.43
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	18	0.43	0.06	0.43
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	18	0.4	0.15	0.4
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	18	0.4	0.15	0.4
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	18	0.4	0.15	0.4
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	18	0.4	0.15	0.4
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	18	0.4	0.15	0.4
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	18	0.4	0.15	0.4
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	18	0.4	0.15	0.4
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	18	0.4	0.15	0.4
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	18	0.4	0.15	0.4
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	18	0.4	0.15	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	18	0.4	0.15	0.4
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	18	0.4	0.15	0.4
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	18	0.39	0.15	0.39
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	18	0.39	0.15	0.39
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	18	0.39	0.24	0.35
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	18	0.38	0.23	0.29
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	18	0.38	0.23	0.29
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	18	0.38	0.23	0.29
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	18	0.38	0.23	0.29
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	18	0.38	0.23	0.29
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	18	0.38	0.23	0.29
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	18	0.38	0.23	0.29
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	18	0.38	0.23	0.29
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	18	0.38	0.23	0.29
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	18	0.38	0.23	0.29
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	18	0.38	0.23	0.29
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	18	0.38	0.23	0.29
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	18	0.38	0.23	0.29
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	18	0.38	0.23	0.29
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	18	0.38	0.23	0.29
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	18	0.38	0.23	0.29
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	18	0.38	0.23	0.29
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	18	0.38	0.23	0.29
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	18	0.38	0.24	0.24
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	18	0.38	0.24	0.24
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	18	0.36	0.32	0.26
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	18	0.36	0.32	0.26
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	18	0.36	0.32	0.26
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	18	0.36	0.32	0.26
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	18	0.36	0.32	0.26
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	18	0.36	0.32	0.26
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	18	0.32	0.05	0.31
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	18	0.31	0.17	0.24
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	18	0.31	0.17	0.24
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	18	0.3	0.07	0.32
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	18	0.29	0.18	0.22
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	18	0.29	0.07	0.28
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	18	0.29	0.16	0.26
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	18	0.29	0.16	0.26
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	18	0.29	0.23	0.24
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	18	0.29	0.23	0.24
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	18	0.29	0.23	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	18	0.29	0.23	0.24
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	18	0.29	0.23	0.24
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	18	0.29	0.23	0.24
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	18	0.29	0.16	0.25
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	18	0.29	0.16	0.25
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	18	0.29	0.16	0.25
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	18	0.28	0.18	0.26
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	18	0.28	0.05	0.3
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	18	0.28	0.18	0.25
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	18	0.27	0.11	0.26
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	18	0.27	0.11	0.26
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	18	0.27	0.11	0.26
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	18	0.26	0.06	0.26
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	18	0.26	0.06	0.26
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	18	0.25	0.08	0.29
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	18	0.25	0.08	0.29
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	18	0.25	0.08	0.29
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	18	0.24	0.08	0.28
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	18	0.24	0.08	0.28
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	18	0.24	0.09	0.21
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	18	0.24	0.09	0.21
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	18	0.24	0.09	0.21
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	18	0.24	0.06	0.25
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	18	0.24	0.06	0.25
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	18	0.23	0.07	0.22
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	18	0.23	0.07	0.22
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	18	0.23	0.07	0.26
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	18	0.23	0.07	0.26
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	18	0.22	0.05	0.23
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	18	0.22	0.06	0.22
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	18	0.22	0.06	0.22
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	18	0.2	0.06	0.18
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	18	0.2	0.06	0.18
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	18	0.2	0.06	0.18
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	18	0.2	0.06	0.18
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	18	0.2	0.07	0.18
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	18	0.2	0.07	0.18
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	18	0.2	0.07	0.18
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	18	0.2	0.07	0.18
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	18	0.2	0.07	0.2
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	18	0.2	0.05	0.2
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	18	0.2	0.07	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	18	0.19	0.06	0.18
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	18	0.19	0.06	0.18
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	18	0.19	0.05	0.19
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	18	0.19	0.05	0.19
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	18	0.19	0.05	0.19
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	18	0.19	0.05	0.19
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	18	0.19	0.05	0.19
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	18	0.19	0.05	0.19
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	18	0.15	0.03	0.15
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	18	0.15	0.03	0.15
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	18	0.14	0.03	0.13
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	18	0.12	0.02	0.12
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	17	1.76	0.21	1.86
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	17	1.76	0.21	1.86
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	17	1.76	0.21	1.86
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	17	1.76	0.21	1.86
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	17	1.76	0.21	1.86
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	17	1.76	0.21	1.86
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	17	1.53	0.96	2.23
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	17	1.49	0.27	1.6
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	17	1.49	0.27	1.6
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	17	1.49	0.27	1.6
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	17	1.49	0.27	1.6
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	17	1.49	0.27	1.6
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	17	1.49	0.27	1.6
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	17	1.33	0.29	1.44
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	17	1.33	0.29	1.44
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	17	1.33	0.29	1.44
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	17	1.33	0.29	1.44
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	17	1.33	0.29	1.44
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	17	1.33	0.29	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	17	1.33	0.29	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	17	1.33	0.29	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	17	1.33	0.29	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	17	1.33	0.29	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	17	1.33	0.29	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	17	1.33	0.29	1.44
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	17	1.33	0.29	1.44
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	17	1.33	0.29	1.44
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	17	1.33	0.29	1.44
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	17	1.33	0.29	1.44
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	17	1.33	0.29	1.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	17	1.33	0.29	1.44
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	17	1.23	0.08	1.24
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	17	1.23	0.08	1.24
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	17	1.23	0.08	1.24
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	17	1.23	0.08	1.24
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	17	1.23	0.08	1.24
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	17	1.23	0.08	1.24
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	17	0.94	0.26	0.96
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	17	0.94	0.26	0.96
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	17	0.94	0.26	0.96
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	17	0.91	0.71	0.42
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	17	0.81	0.17	0.89
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	17	0.81	0.17	0.89
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	17	0.81	0.17	0.89
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	17	0.81	0.17	0.89
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	17	0.81	0.17	0.89
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	17	0.81	0.17	0.89
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	17	0.81	0.17	0.89
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	17	0.81	0.17	0.89
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	17	0.81	0.17	0.89
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	17	0.81	0.17	0.89
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	17	0.81	0.17	0.89
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	17	0.81	0.17	0.89
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	17	0.75	0.38	0.96
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	17	0.71	0.42	0.66
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	17	0.69	0.28	0.73
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	17	0.69	0.28	0.73
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	17	0.69	0.28	0.73
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	17	0.69	0.28	0.73
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	17	0.69	0.28	0.73
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	17	0.69	0.28	0.73
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	17	0.6	0.25	0.62
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	17	0.6	0.25	0.62
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	17	0.48	0.26	0.38
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	17	0.48	0.26	0.38
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	17	0.48	0.44	0.28
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	17	0.48	0.44	0.28
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	17	0.48	0.44	0.28
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	17	0.48	0.44	0.28
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	17	0.48	0.44	0.28
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	17	0.48	0.44	0.28
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	17	0.36	0.08	0.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	17	0.33	0.14	0.3
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	17	0.33	0.14	0.3
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	17	0.33	0.14	0.3
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	17	0.33	0.14	0.3
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	17	0.33	0.14	0.3
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	17	0.33	0.14	0.3
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	17	0.33	0.14	0.3
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	17	0.33	0.14	0.3
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	17	0.33	0.14	0.3
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	17	0.33	0.14	0.3
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	17	0.33	0.14	0.3
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	17	0.33	0.14	0.3
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	17	0.32	0.07	0.32
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	17	0.3	0.1	0.27
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	17	0.3	0.08	0.32
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	17	0.3	0.08	0.32
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	17	0.3	0.08	0.32
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	17	0.3	0.08	0.32
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	17	0.29	0.2	0.24
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	17	0.29	0.2	0.24
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	17	0.29	0.2	0.24
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	17	0.27	0.12	0.29
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	17	0.27	0.12	0.29
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	17	0.27	0.12	0.29
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	17	0.26	0.06	0.26
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	17	0.26	0.07	0.27
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	17	0.26	0.07	0.27
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	17	0.24	0.04	0.24
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	17	0.24	0.04	0.24
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	17	0.24	0.04	0.24
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	17	0.24	0.05	0.22
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	17	0.24	0.11	0.21
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	17	0.24	0.11	0.21
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	17	0.24	0.11	0.21
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	17	0.22	0.1	0.21
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	17	0.22	0.1	0.21
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	17	0.21	0.06	0.21
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	17	0.21	0.06	0.19
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	17	0.21	0.06	0.19
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	17	0.21	0.06	0.19
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	17	0.21	0.06	0.21
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	17	0.21	0.06	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	17	0.21	0.06	0.2
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	17	0.21	0.06	0.2
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	17	0.21	0.04	0.22
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	17	0.21	0.04	0.22
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	17	0.21	0.04	0.22
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	17	0.21	0.04	0.22
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	17	0.21	0.04	0.22
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	17	0.21	0.04	0.22
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	17	0.2	0.06	0.19
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	17	0.2	0.06	0.2
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	17	0.2	0.06	0.2
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	17	0.2	0.06	0.2
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	17	0.2	0.06	0.2
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	17	0.2	0.06	0.2
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	17	0.2	0.06	0.2
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	17	0.2	0.06	0.19
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	17	0.2	0.09	0.18
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	17	0.2	0.09	0.18
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	17	0.2	0.09	0.18
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	17	0.2	0.09	0.18
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	17	0.2	0.09	0.18
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	17	0.2	0.09	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	17	0.2	0.09	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	17	0.2	0.09	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	17	0.2	0.09	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	17	0.2	0.09	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	17	0.2	0.09	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	17	0.2	0.09	0.18
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	17	0.2	0.09	0.18
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	17	0.2	0.09	0.18
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	17	0.2	0.09	0.18
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	17	0.2	0.09	0.18
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	17	0.2	0.09	0.18
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	17	0.2	0.09	0.18
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	17	0.19	0.07	0.18
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	17	0.19	0.07	0.18
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	17	0.19	0.03	0.2
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	17	0.19	0.04	0.19
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	17	0.19	0.04	0.19
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	17	0.19	0.05	0.17
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	17	0.19	0.05	0.17
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	17	0.19	0.05	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	17	0.19	0.05	0.17
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	17	0.19	0.05	0.17
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	17	0.19	0.05	0.17
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	17	0.19	0.05	0.17
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	17	0.19	0.05	0.17
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	17	0.19	0.05	0.17
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	17	0.19	0.05	0.17
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	17	0.19	0.05	0.17
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	17	0.19	0.05	0.17
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	17	0.18	0.05	0.17
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	17	0.18	0.04	0.17
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	17	0.18	0.08	0.15
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	17	0.17	0.04	0.18
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	17	0.17	0.04	0.18
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	17	0.17	0.04	0.18
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	17	0.17	0.05	0.17
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	17	0.17	0.05	0.17
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	17	0.17	0.05	0.17
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	17	0.16	0.03	0.16
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	17	0.16	0.04	0.15
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	17	0.15	0.02	0.15
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	17	0.15	0.02	0.15
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	17	0.15	0.02	0.15
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	17	0.14	0.02	0.13
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD11	16	1.22	0.36	1.35
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD12	16	1.22	0.36	1.35
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD13	16	1.22	0.36	1.35
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD21	16	1.22	0.36	1.35
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD22	16	1.22	0.36	1.35
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD23	16	1.22	0.36	1.35
(1,1769)	1:446:A:LYS:H	1:447:A:CYS:H	16	1.09	0.78	1.38
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD1	16	0.76	0.57	0.44
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD2	16	0.76	0.57	0.44
(1,2280)	1:463:A:ILE:HG21	1:464:A:GLN:HE22	16	0.7	0.45	0.44
(1,2280)	1:463:A:ILE:HG22	1:464:A:GLN:HE22	16	0.7	0.45	0.44
(1,2280)	1:463:A:ILE:HG23	1:464:A:GLN:HE22	16	0.7	0.45	0.44
(1,1925)	1:452:A:SER:HB2	1:453:A:TYR:H	16	0.68	0.44	0.55
(1,1805)	1:490:A:TYR:H	1:490:A:TYR:HB2	16	0.58	0.48	0.32
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB2	16	0.48	0.49	0.28
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB3	16	0.48	0.49	0.28
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG11	16	0.48	0.25	0.51
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG12	16	0.48	0.25	0.51

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG13	16	0.48	0.25	0.51
(1,1901)	1:418:A:ASP:H	1:418:A:ASP:HB3	16	0.46	0.23	0.36
(1,375)	1:468:A:GLY:H	1:475:A:ARG:HD3	16	0.45	0.16	0.5
(1,2031)	1:482:A:ARG:HB3	1:483:A:SER:H	16	0.44	0.38	0.2
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG2	16	0.42	0.42	0.27
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG3	16	0.42	0.42	0.27
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG2	16	0.42	0.42	0.27
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG3	16	0.42	0.42	0.27
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD2	16	0.4	0.29	0.32
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD3	16	0.4	0.29	0.32
(1,200)	1:404:A:GLY:HA2	1:456:A:PRO:HB3	16	0.39	0.23	0.3
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	16	0.32	0.09	0.33
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	16	0.32	0.09	0.33
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	16	0.32	0.09	0.33
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	16	0.32	0.09	0.33
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	16	0.32	0.09	0.33
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	16	0.32	0.09	0.33
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD1	16	0.3	0.08	0.3
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD2	16	0.3	0.08	0.3
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD1	16	0.3	0.18	0.25
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD2	16	0.3	0.18	0.25
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD1	16	0.29	0.07	0.29
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD2	16	0.29	0.07	0.29
(1,1794)	1:407:A:LEU:HD11	1:479:A:GLN:H	16	0.28	0.27	0.2
(1,1794)	1:407:A:LEU:HD12	1:479:A:GLN:H	16	0.28	0.27	0.2
(1,1794)	1:407:A:LEU:HD13	1:479:A:GLN:H	16	0.28	0.27	0.2
(1,1794)	1:407:A:LEU:HD21	1:479:A:GLN:H	16	0.28	0.27	0.2
(1,1794)	1:407:A:LEU:HD22	1:479:A:GLN:H	16	0.28	0.27	0.2
(1,1794)	1:407:A:LEU:HD23	1:479:A:GLN:H	16	0.28	0.27	0.2
(1,622)	1:402:A:PRO:HD2	1:454:A:ASP:HB3	16	0.27	0.08	0.25
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD1	16	0.27	0.05	0.28
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD2	16	0.27	0.05	0.28
(1,425)	1:433:A:SER:HB2	1:434:A:ALA:HA	16	0.26	0.2	0.2
(1,982)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	16	0.25	0.07	0.26
(1,982)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	16	0.25	0.07	0.26
(1,982)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	16	0.25	0.07	0.26
(1,1960)	1:436:A:VAL:HA	1:450:A:PHE:H	16	0.23	0.08	0.22
(1,1801)	1:410:A:TYR:HB2	1:477:A:LYS:H	16	0.22	0.08	0.23
(1,1143)	1:408:A:PHE:HA	1:450:A:PHE:HA	16	0.22	0.08	0.22
(1,1995)	1:402:A:PRO:HB2	1:403:A:GLU:H	16	0.22	0.09	0.22
(1,1995)	1:402:A:PRO:HB3	1:403:A:GLU:H	16	0.22	0.09	0.22
(1,2272)	1:438:A:ILE:HG21	1:443:A:ASN:HD21	16	0.21	0.08	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2272)	1:438:A:ILE:HG22	1:443:A:ASN:HD21	16	0.21	0.08	0.19
(1,2272)	1:438:A:ILE:HG23	1:443:A:ASN:HD21	16	0.21	0.08	0.19
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG2	16	0.2	0.07	0.22
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG3	16	0.2	0.07	0.22
(1,1974)	1:411:A:HIS:HB3	1:475:A:ARG:H	16	0.2	0.05	0.21
(1,964)	1:422:A:LEU:HA	1:434:A:ALA:HA	16	0.2	0.04	0.2
(1,1238)	1:451:A:VAL:HG11	1:452:A:SER:HA	16	0.19	0.08	0.17
(1,1238)	1:451:A:VAL:HG12	1:452:A:SER:HA	16	0.19	0.08	0.17
(1,1238)	1:451:A:VAL:HG13	1:452:A:SER:HA	16	0.19	0.08	0.17
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD1	16	0.19	0.04	0.19
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD2	16	0.19	0.04	0.19
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD1	16	0.19	0.04	0.19
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD2	16	0.19	0.04	0.19
(1,1274)	1:456:A:PRO:HB2	1:457:A:VAL:H	16	0.18	0.06	0.17
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG21	16	0.18	0.04	0.18
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG22	16	0.18	0.04	0.18
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG23	16	0.18	0.04	0.18
(1,38)	1:409:A:ILE:HG13	1:476:A:LEU:HG	16	0.18	0.05	0.18
(1,1002)	1:435:A:LYS:HE2	1:437:A:PHE:HA	16	0.17	0.05	0.16
(1,1002)	1:435:A:LYS:HE3	1:437:A:PHE:HA	16	0.17	0.05	0.16
(1,2017)	1:461:A:ALA:HA	1:463:A:ILE:H	16	0.17	0.04	0.15
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG21	16	0.16	0.05	0.14
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG22	16	0.16	0.05	0.14
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG23	16	0.16	0.05	0.14
(1,1932)	1:435:A:LYS:H	1:435:A:LYS:HG2	16	0.15	0.04	0.15
(1,2206)	1:430:A:ASN:H	1:430:A:ASN:HD21	16	0.15	0.03	0.14
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG11	16	0.15	0.02	0.15
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG12	16	0.15	0.02	0.15
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG13	16	0.15	0.02	0.15
(1,1090)	1:441:A:GLN:H	1:441:A:GLN:HG2	15	1.31	0.26	1.37
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD11	15	1.06	0.58	1.3
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD12	15	1.06	0.58	1.3
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD13	15	1.06	0.58	1.3
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD21	15	1.06	0.58	1.3
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD22	15	1.06	0.58	1.3
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD23	15	1.06	0.58	1.3
(1,1692)	1:432:A:ILE:HG12	1:454:A:ASP:HB2	15	1.03	0.11	1.03
(1,1692)	1:432:A:ILE:HG13	1:454:A:ASP:HB2	15	1.03	0.11	1.03
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD2	15	1.0	0.28	1.1
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD3	15	1.0	0.28	1.1
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD11	15	0.7	0.35	0.9
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD12	15	0.7	0.35	0.9

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD13	15	0.7	0.35	0.9
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD11	15	0.7	0.35	0.9
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD12	15	0.7	0.35	0.9
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD13	15	0.7	0.35	0.9
(1,2321)	1:412:A:LEU:HD11	1:449:A:GLY:H	15	0.67	0.34	0.85
(1,2321)	1:412:A:LEU:HD12	1:449:A:GLY:H	15	0.67	0.34	0.85
(1,2321)	1:412:A:LEU:HD13	1:449:A:GLY:H	15	0.67	0.34	0.85
(1,2321)	1:412:A:LEU:HD21	1:449:A:GLY:H	15	0.67	0.34	0.85
(1,2321)	1:412:A:LEU:HD22	1:449:A:GLY:H	15	0.67	0.34	0.85
(1,2321)	1:412:A:LEU:HD23	1:449:A:GLY:H	15	0.67	0.34	0.85
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD2	15	0.61	0.41	0.38
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD3	15	0.61	0.41	0.38
(1,2244)	1:444:A:LEU:HD11	1:479:A:GLN:HE22	15	0.53	0.33	0.51
(1,2244)	1:444:A:LEU:HD12	1:479:A:GLN:HE22	15	0.53	0.33	0.51
(1,2244)	1:444:A:LEU:HD13	1:479:A:GLN:HE22	15	0.53	0.33	0.51
(1,2244)	1:444:A:LEU:HD21	1:479:A:GLN:HE22	15	0.53	0.33	0.51
(1,2244)	1:444:A:LEU:HD22	1:479:A:GLN:HE22	15	0.53	0.33	0.51
(1,2244)	1:444:A:LEU:HD23	1:479:A:GLN:HE22	15	0.53	0.33	0.51
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG2	15	0.5	0.13	0.47
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG3	15	0.5	0.13	0.47
(1,1112)	1:423:A:GLN:H	1:423:A:GLN:HG3	15	0.39	0.14	0.37
(1,1439)	1:418:A:ASP:HB2	1:435:A:LYS:HA	15	0.39	0.18	0.31
(1,2290)	1:470:A:GLN:HA	1:470:A:GLN:HE21	15	0.36	0.1	0.4
(1,1534)	1:440:A:LYS:HD2	1:441:A:GLN:HG2	15	0.34	0.07	0.33
(1,1534)	1:440:A:LYS:HD3	1:441:A:GLN:HG2	15	0.34	0.07	0.33
(1,2241)	1:445:A:SER:HB2	1:479:A:GLN:HE22	15	0.32	0.22	0.25
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	15	0.31	0.08	0.31
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	15	0.31	0.08	0.31
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	15	0.31	0.08	0.31
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE1	15	0.3	0.09	0.31
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE2	15	0.3	0.09	0.31
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE1	15	0.3	0.08	0.3
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE2	15	0.3	0.08	0.3
(1,1911)	1:400:A:GLU:H	1:433:A:SER:HB3	15	0.29	0.2	0.26
(1,1702)	1:402:A:PRO:HG2	1:456:A:PRO:HA	15	0.27	0.06	0.29
(1,319)	1:433:A:SER:HB2	1:450:A:PHE:HB2	15	0.27	0.08	0.28
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	15	0.25	0.16	0.17
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	15	0.25	0.16	0.17
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	15	0.25	0.16	0.17
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	15	0.25	0.16	0.17
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	15	0.25	0.16	0.17
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	15	0.25	0.16	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	15	0.25	0.16	0.17
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	15	0.25	0.16	0.17
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	15	0.25	0.16	0.17
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	15	0.25	0.16	0.17
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	15	0.25	0.16	0.17
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	15	0.25	0.16	0.17
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	15	0.25	0.16	0.17
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	15	0.25	0.16	0.17
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	15	0.25	0.16	0.17
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	15	0.25	0.16	0.17
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	15	0.25	0.16	0.17
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	15	0.25	0.16	0.17
(1,1264)	1:405:A:ALA:HB1	1:456:A:PRO:HB3	15	0.24	0.07	0.24
(1,1264)	1:405:A:ALA:HB2	1:456:A:PRO:HB3	15	0.24	0.07	0.24
(1,1264)	1:405:A:ALA:HB3	1:456:A:PRO:HB3	15	0.24	0.07	0.24
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB2	15	0.23	0.07	0.22
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB3	15	0.23	0.07	0.22
(1,625)	1:466:A:MET:HG2	1:469:A:PHE:HB2	15	0.22	0.08	0.19
(1,625)	1:466:A:MET:HG3	1:469:A:PHE:HB2	15	0.22	0.08	0.19
(1,1103)	1:479:A:GLN:HG2	1:480:A:LEU:H	15	0.22	0.11	0.19
(1,1103)	1:479:A:GLN:HG3	1:480:A:LEU:H	15	0.22	0.11	0.19
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB2	15	0.21	0.06	0.2
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB3	15	0.21	0.06	0.2
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB2	15	0.21	0.06	0.2
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB3	15	0.21	0.06	0.2
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB2	15	0.21	0.06	0.2
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB3	15	0.21	0.06	0.2
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG21	15	0.21	0.04	0.21
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG22	15	0.21	0.04	0.21
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG23	15	0.21	0.04	0.21
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG21	15	0.21	0.04	0.21
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG22	15	0.21	0.04	0.21
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG23	15	0.21	0.04	0.21
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD1	15	0.21	0.06	0.19
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD2	15	0.21	0.06	0.19
(1,1630)	1:405:A:ALA:HA	1:452:A:SER:HA	15	0.21	0.07	0.2
(1,753)	1:402:A:PRO:HA	1:404:A:GLY:H	15	0.2	0.08	0.18
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	15	0.2	0.08	0.2
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	15	0.2	0.08	0.2
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	15	0.2	0.08	0.2
(1,2164)	1:455:A:ASN:HD22	1:457:A:VAL:HB	15	0.19	0.04	0.19
(1,2242)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	15	0.18	0.02	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2000)	1:403:A:GLU:H	1:403:A:GLU:HB2	15	0.18	0.04	0.16
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG21	15	0.18	0.05	0.18
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG22	15	0.18	0.05	0.18
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG23	15	0.18	0.05	0.18
(1,998)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	15	0.17	0.06	0.15
(1,634)	1:488:A:LYS:HB2	1:489:A:PRO:HA	15	0.17	0.07	0.16
(1,634)	1:488:A:LYS:HB3	1:489:A:PRO:HA	15	0.17	0.07	0.16
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD2	15	0.17	0.04	0.16
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD3	15	0.17	0.04	0.16
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD2	15	0.17	0.04	0.16
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD3	15	0.17	0.04	0.16
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD2	15	0.17	0.04	0.16
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD3	15	0.17	0.04	0.16
(1,1331)	1:466:A:MET:HB2	1:468:A:GLY:H	15	0.17	0.04	0.16
(1,1331)	1:466:A:MET:HB3	1:468:A:GLY:H	15	0.17	0.04	0.16
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG21	15	0.17	0.05	0.16
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG22	15	0.17	0.05	0.16
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG23	15	0.17	0.05	0.16
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD11	15	0.16	0.03	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD12	15	0.16	0.03	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD13	15	0.16	0.03	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD21	15	0.16	0.03	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD22	15	0.16	0.03	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD23	15	0.16	0.03	0.17
(1,2083)	1:463:A:ILE:HB	1:465:A:ALA:H	15	0.15	0.03	0.16
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD1	15	0.14	0.02	0.14
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD2	15	0.14	0.02	0.14
(1,1647)	1:419:A:GLN:HB2	1:419:A:GLN:HE22	14	1.66	0.06	1.66
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD1	14	1.61	1.29	2.02
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD2	14	1.61	1.29	2.02
(1,1489)	1:481:A:LYS:HA	1:481:A:LYS:HD3	14	1.1	0.87	0.9
(1,1497)	1:406:A:ASN:HA	1:452:A:SER:HB3	14	1.0	0.57	1.02
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB2	14	0.98	0.27	1.04
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB3	14	0.98	0.27	1.04
(1,1490)	1:481:A:LYS:HA	1:481:A:LYS:HD2	14	0.94	0.52	1.11
(1,2275)	1:419:A:GLN:H	1:419:A:GLN:HE22	14	0.94	0.94	0.16
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB2	14	0.92	0.23	1.0
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB3	14	0.92	0.23	1.0
(1,786)	1:485:A:ASN:HB2	1:486:A:ASP:H	14	0.66	0.35	0.62
(1,1956)	1:407:A:LEU:HD11	1:459:A:ALA:H	14	0.55	0.1	0.49
(1,1956)	1:407:A:LEU:HD12	1:459:A:ALA:H	14	0.55	0.1	0.49
(1,1956)	1:407:A:LEU:HD13	1:459:A:ALA:H	14	0.55	0.1	0.49

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1956)	1:407:A:LEU:HD21	1:459:A:ALA:H	14	0.55	0.1	0.49
(1,1956)	1:407:A:LEU:HD22	1:459:A:ALA:H	14	0.55	0.1	0.49
(1,1956)	1:407:A:LEU:HD23	1:459:A:ALA:H	14	0.55	0.1	0.49
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB2	14	0.51	0.27	0.43
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB3	14	0.51	0.27	0.43
(1,1782)	1:481:A:LYS:H	1:481:A:LYS:HB3	14	0.48	0.15	0.48
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD2	14	0.45	0.11	0.44
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD3	14	0.45	0.11	0.44
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD2	14	0.45	0.11	0.44
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD3	14	0.45	0.11	0.44
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	14	0.42	0.35	0.27
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	14	0.42	0.35	0.27
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	14	0.42	0.35	0.27
(1,1867)	1:418:A:ASP:HB2	1:436:A:VAL:H	14	0.33	0.08	0.32
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD11	14	0.32	0.08	0.34
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD12	14	0.32	0.08	0.34
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD13	14	0.32	0.08	0.34
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD21	14	0.32	0.08	0.34
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD22	14	0.32	0.08	0.34
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD23	14	0.32	0.08	0.34
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG2	14	0.28	0.07	0.3
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG3	14	0.28	0.07	0.3
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD11	14	0.26	0.13	0.27
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD12	14	0.26	0.13	0.27
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD13	14	0.26	0.13	0.27
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD21	14	0.26	0.13	0.27
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD22	14	0.26	0.13	0.27
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD23	14	0.26	0.13	0.27
(1,1085)	1:440:A:LYS:HG2	1:441:A:GLN:HG3	14	0.26	0.04	0.27
(1,1085)	1:440:A:LYS:HG3	1:441:A:GLN:HG3	14	0.26	0.04	0.27
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD2	14	0.26	0.09	0.26
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD3	14	0.26	0.09	0.26
(1,1532)	1:440:A:LYS:HD2	1:441:A:GLN:HB2	14	0.23	0.07	0.22
(1,1532)	1:440:A:LYS:HD3	1:441:A:GLN:HB2	14	0.23	0.07	0.22
(1,2026)	1:468:A:GLY:H	1:477:A:LYS:HA	14	0.22	0.09	0.19
(1,1914)	1:399:A:LYS:HB2	1:400:A:GLU:H	14	0.22	0.08	0.22
(1,1914)	1:399:A:LYS:HB3	1:400:A:GLU:H	14	0.22	0.08	0.22
(1,1906)	1:435:A:LYS:HE2	1:438:A:ILE:H	14	0.21	0.06	0.2
(1,1906)	1:435:A:LYS:HE3	1:438:A:ILE:H	14	0.21	0.06	0.2
(1,59)	1:474:A:LYS:H	1:474:A:LYS:HG2	14	0.21	0.05	0.21
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD1	14	0.21	0.06	0.2
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD2	14	0.21	0.06	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD1	14	0.21	0.06	0.2
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD2	14	0.21	0.06	0.2
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD1	14	0.21	0.06	0.2
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD2	14	0.21	0.06	0.2
(1,735)	1:412:A:LEU:HB3	1:416:A:PHE:HB3	14	0.2	0.05	0.21
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE2	14	0.2	0.07	0.17
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE3	14	0.2	0.07	0.17
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD1	14	0.2	0.04	0.19
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD2	14	0.2	0.04	0.19
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD1	14	0.2	0.04	0.19
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD2	14	0.2	0.04	0.19
(1,1979)	1:474:A:LYS:HG2	1:475:A:ARG:H	14	0.19	0.04	0.18
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB1	14	0.18	0.05	0.16
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB2	14	0.18	0.05	0.16
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB3	14	0.18	0.05	0.16
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD11	14	0.18	0.04	0.17
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD12	14	0.18	0.04	0.17
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD13	14	0.18	0.04	0.17
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD21	14	0.18	0.04	0.17
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD22	14	0.18	0.04	0.17
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD23	14	0.18	0.04	0.17
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG11	14	0.18	0.05	0.18
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG12	14	0.18	0.05	0.18
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG13	14	0.18	0.05	0.18
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG11	14	0.18	0.05	0.18
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG12	14	0.18	0.05	0.18
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG13	14	0.18	0.05	0.18
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG11	14	0.18	0.05	0.18
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG12	14	0.18	0.05	0.18
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG13	14	0.18	0.05	0.18
(1,729)	1:432:A:ILE:HA	1:453:A:TYR:HA	14	0.17	0.04	0.18
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB2	14	0.16	0.05	0.15
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB3	14	0.16	0.05	0.15
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB2	14	0.16	0.03	0.17
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB3	14	0.16	0.03	0.17
(1,2191)	1:453:A:TYR:HB3	1:455:A:ASN:H	14	0.16	0.05	0.15
(1,1733)	1:424:A:MET:HA	1:426:A:MET:H	14	0.16	0.04	0.16
(1,204)	1:457:A:VAL:HG11	1:459:A:ALA:H	14	0.15	0.04	0.14
(1,204)	1:457:A:VAL:HG12	1:459:A:ALA:H	14	0.15	0.04	0.14
(1,204)	1:457:A:VAL:HG13	1:459:A:ALA:H	14	0.15	0.04	0.14
(1,204)	1:457:A:VAL:HG21	1:459:A:ALA:H	14	0.15	0.04	0.14
(1,204)	1:457:A:VAL:HG22	1:459:A:ALA:H	14	0.15	0.04	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,204)	1:457:A:VAL:HG23	1:459:A:ALA:H	14	0.15	0.04	0.14
(1,1686)	1:422:A:LEU:HG	1:423:A:GLN:H	14	0.13	0.02	0.14
(1,1357)	1:474:A:LYS:HA	1:475:A:ARG:HA	14	0.12	0.01	0.12
(1,1631)	1:475:A:ARG:HG2	1:476:A:LEU:H	13	1.68	0.39	1.83
(1,1631)	1:475:A:ARG:HG3	1:476:A:LEU:H	13	1.68	0.39	1.83
(1,2319)	1:448:A:PHE:HB2	1:449:A:GLY:H	13	0.63	0.33	0.69
(1,2319)	1:448:A:PHE:HB3	1:449:A:GLY:H	13	0.63	0.33	0.69
(1,419)	1:480:A:LEU:HB2	1:481:A:LYS:H	13	0.63	0.31	0.48
(1,419)	1:480:A:LEU:HB3	1:481:A:LYS:H	13	0.63	0.31	0.48
(1,2111)	1:418:A:ASP:HB3	1:419:A:GLN:H	13	0.57	0.26	0.44
(1,1326)	1:411:A:HIS:H	1:448:A:PHE:HA	13	0.48	0.28	0.4
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE1	13	0.35	0.42	0.17
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE2	13	0.35	0.42	0.17
(1,1302)	1:472:A:GLY:HA3	1:473:A:MET:HG3	13	0.31	0.08	0.32
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD2	13	0.29	0.07	0.29
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD3	13	0.29	0.07	0.29
(1,1226)	1:399:A:LYS:HA	1:400:A:GLU:HG3	13	0.29	0.08	0.3
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	13	0.28	0.18	0.2
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	13	0.28	0.18	0.2
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	13	0.28	0.18	0.2
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	13	0.28	0.18	0.2
(1,2105)	1:420:A:ASP:HB3	1:421:A:ILE:H	13	0.26	0.16	0.22
(1,1629)	1:405:A:ALA:HA	1:455:A:ASN:HA	13	0.25	0.14	0.19
(1,508)	1:435:A:LYS:HE2	1:450:A:PHE:HB3	13	0.23	0.05	0.23
(1,508)	1:435:A:LYS:HE3	1:450:A:PHE:HB3	13	0.23	0.05	0.23
(1,1703)	1:402:A:PRO:HG2	1:405:A:ALA:HA	13	0.23	0.07	0.24
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	13	0.23	0.09	0.27
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	13	0.23	0.09	0.27
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	13	0.23	0.09	0.27
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	13	0.23	0.09	0.27
(1,378)	1:470:A:GLN:HE21	1:475:A:ARG:HD2	13	0.22	0.05	0.23
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	13	0.22	0.05	0.21
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	13	0.22	0.05	0.21
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	13	0.22	0.05	0.21
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	13	0.22	0.05	0.21
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	13	0.22	0.05	0.21
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	13	0.22	0.05	0.21
(1,1657)	1:419:A:GLN:HB2	1:422:A:LEU:HB2	13	0.21	0.04	0.22
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG21	13	0.21	0.06	0.19
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG22	13	0.21	0.06	0.19
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG23	13	0.21	0.06	0.19
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB2	13	0.21	0.1	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB3	13	0.21	0.1	0.17
(1,1930)	1:435:A:LYS:H	1:450:A:PHE:HB3	13	0.21	0.05	0.21
(1,1396)	1:453:A:TYR:HD1	1:459:A:ALA:HA	13	0.2	0.04	0.22
(1,1396)	1:453:A:TYR:HD2	1:459:A:ALA:HA	13	0.2	0.04	0.22
(1,524)	1:406:A:ASN:H	1:456:A:PRO:HA	13	0.2	0.04	0.19
(1,2297)	1:428:A:PHE:HE1	1:466:A:MET:H	13	0.2	0.04	0.2
(1,2297)	1:428:A:PHE:HE2	1:466:A:MET:H	13	0.2	0.04	0.2
(1,535)	1:455:A:ASN:HB3	1:456:A:PRO:HD3	13	0.19	0.05	0.2
(1,36)	1:425:A:PHE:HE1	1:476:A:LEU:HG	13	0.19	0.06	0.18
(1,36)	1:425:A:PHE:HE2	1:476:A:LEU:HG	13	0.19	0.06	0.18
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE2	13	0.19	0.03	0.17
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE3	13	0.19	0.03	0.17
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE2	13	0.18	0.06	0.17
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE3	13	0.18	0.06	0.17
(1,1504)	1:402:A:PRO:HA	1:403:A:GLU:HB2	13	0.17	0.04	0.18
(1,293)	1:436:A:VAL:HG11	1:449:A:GLY:HA2	13	0.17	0.04	0.17
(1,293)	1:436:A:VAL:HG12	1:449:A:GLY:HA2	13	0.17	0.04	0.17
(1,293)	1:436:A:VAL:HG13	1:449:A:GLY:HA2	13	0.17	0.04	0.17
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	13	0.17	0.04	0.18
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	13	0.17	0.04	0.18
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	13	0.17	0.04	0.18
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	13	0.17	0.04	0.18
(1,555)	1:421:A:ILE:HG21	1:436:A:VAL:H	13	0.15	0.04	0.15
(1,555)	1:421:A:ILE:HG22	1:436:A:VAL:H	13	0.15	0.04	0.15
(1,555)	1:421:A:ILE:HG23	1:436:A:VAL:H	13	0.15	0.04	0.15
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	13	0.15	0.04	0.13
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	13	0.15	0.04	0.13
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	13	0.15	0.04	0.13
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	13	0.15	0.04	0.13
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	13	0.15	0.04	0.13
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	13	0.15	0.04	0.13
(1,795)	1:442:A:THR:HA	1:444:A:LEU:HB3	13	0.15	0.04	0.14
(1,534)	1:455:A:ASN:H	1:455:A:ASN:HB3	13	0.15	0.01	0.15
(1,540)	1:422:A:LEU:HB2	1:434:A:ALA:HA	13	0.14	0.03	0.13
(1,806)	1:463:A:ILE:HB	1:467:A:ASN:HB3	13	0.13	0.02	0.13
(1,971)	1:413:A:PRO:HA	1:414:A:GLN:HA	13	0.13	0.02	0.13
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE1	12	1.04	0.58	0.94
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE2	12	1.04	0.58	0.94
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE1	12	1.04	0.58	0.94
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE2	12	1.04	0.58	0.94
(1,2269)	1:443:A:ASN:HA	1:443:A:ASN:HD22	12	0.98	0.12	1.02
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE1	12	0.74	0.32	0.88

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE2	12	0.74	0.32	0.88
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE1	12	0.74	0.32	0.88
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE2	12	0.74	0.32	0.88
(1,2141)	1:445:A:SER:H	1:445:A:SER:HB2	12	0.56	0.14	0.5
(1,2273)	1:459:A:ALA:H	1:460:A:GLN:HE22	12	0.52	0.28	0.38
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG2	12	0.51	0.07	0.49
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG3	12	0.51	0.07	0.49
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB2	12	0.51	0.32	0.35
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB3	12	0.51	0.32	0.35
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD1	12	0.48	0.32	0.53
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD2	12	0.48	0.32	0.53
(1,1009)	1:423:A:GLN:HA	1:423:A:GLN:HE21	12	0.44	0.08	0.46
(1,395)	1:405:A:ALA:HB1	1:452:A:SER:HB2	12	0.42	0.27	0.36
(1,395)	1:405:A:ALA:HB2	1:452:A:SER:HB2	12	0.42	0.27	0.36
(1,395)	1:405:A:ALA:HB3	1:452:A:SER:HB2	12	0.42	0.27	0.36
(1,830)	1:438:A:ILE:HG21	1:443:A:ASN:HB2	12	0.41	0.06	0.4
(1,830)	1:438:A:ILE:HG22	1:443:A:ASN:HB2	12	0.41	0.06	0.4
(1,830)	1:438:A:ILE:HG23	1:443:A:ASN:HB2	12	0.41	0.06	0.4
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD1	12	0.38	0.1	0.39
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD2	12	0.38	0.1	0.39
(1,1936)	1:486:A:ASP:H	1:486:A:ASP:HB2	12	0.38	0.22	0.37
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG2	12	0.36	0.18	0.31
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG3	12	0.36	0.18	0.31
(1,39)	1:409:A:ILE:HG21	1:476:A:LEU:HG	12	0.33	0.09	0.36
(1,39)	1:409:A:ILE:HG22	1:476:A:LEU:HG	12	0.33	0.09	0.36
(1,39)	1:409:A:ILE:HG23	1:476:A:LEU:HG	12	0.33	0.09	0.36
(1,960)	1:409:A:ILE:HA	1:410:A:TYR:HB2	12	0.27	0.09	0.23
(1,800)	1:442:A:THR:HA	1:443:A:ASN:HB3	12	0.26	0.02	0.26
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG11	12	0.26	0.09	0.26
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG12	12	0.26	0.09	0.26
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG13	12	0.26	0.09	0.26
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG11	12	0.26	0.09	0.26
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG12	12	0.26	0.09	0.26
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG13	12	0.26	0.09	0.26
(1,2054)	1:400:A:GLU:HB3	1:406:A:ASN:HD21	12	0.26	0.21	0.18
(1,1282)	1:398:A:GLN:HA	1:398:A:GLN:HG3	12	0.25	0.15	0.17
(1,838)	1:443:A:ASN:HB3	1:444:A:LEU:H	12	0.24	0.02	0.25
(1,789)	1:485:A:ASN:HB3	1:486:A:ASP:H	12	0.23	0.05	0.22
(1,2285)	1:463:A:ILE:HG21	1:464:A:GLN:HE21	12	0.23	0.05	0.22
(1,2285)	1:463:A:ILE:HG22	1:464:A:GLN:HE21	12	0.23	0.05	0.22
(1,2285)	1:463:A:ILE:HG23	1:464:A:GLN:HE21	12	0.23	0.05	0.22
(1,784)	1:436:A:VAL:HA	1:449:A:GLY:HA3	12	0.23	0.09	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,117)	1:442:A:THR:HG21	1:444:A:LEU:HG	12	0.23	0.1	0.2
(1,117)	1:442:A:THR:HG22	1:444:A:LEU:HG	12	0.23	0.1	0.2
(1,117)	1:442:A:THR:HG23	1:444:A:LEU:HG	12	0.23	0.1	0.2
(1,767)	1:409:A:ILE:HD11	1:449:A:GLY:H	12	0.22	0.04	0.22
(1,767)	1:409:A:ILE:HD12	1:449:A:GLY:H	12	0.22	0.04	0.22
(1,767)	1:409:A:ILE:HD13	1:449:A:GLY:H	12	0.22	0.04	0.22
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	12	0.22	0.07	0.22
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	12	0.22	0.07	0.22
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	12	0.22	0.07	0.22
(1,1726)	1:432:A:ILE:H	1:453:A:TYR:HA	12	0.21	0.06	0.21
(1,1113)	1:423:A:GLN:HA	1:423:A:GLN:HG2	12	0.21	0.1	0.15
(1,609)	1:410:A:TYR:HB3	1:411:A:HIS:HA	12	0.2	0.06	0.22
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE1	12	0.19	0.06	0.18
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE2	12	0.19	0.06	0.18
(1,778)	1:409:A:ILE:HD11	1:421:A:ILE:HG12	12	0.19	0.09	0.16
(1,778)	1:409:A:ILE:HD12	1:421:A:ILE:HG12	12	0.19	0.09	0.16
(1,778)	1:409:A:ILE:HD13	1:421:A:ILE:HG12	12	0.19	0.09	0.16
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG11	12	0.19	0.04	0.18
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG12	12	0.19	0.04	0.18
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG13	12	0.19	0.04	0.18
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	12	0.19	0.05	0.18
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	12	0.19	0.05	0.18
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	12	0.19	0.05	0.18
(1,1542)	1:416:A:PHE:HE1	1:421:A:ILE:HG12	12	0.19	0.05	0.18
(1,1542)	1:416:A:PHE:HE2	1:421:A:ILE:HG12	12	0.19	0.05	0.18
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG11	12	0.18	0.08	0.16
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG12	12	0.18	0.08	0.16
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG13	12	0.18	0.08	0.16
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG11	12	0.18	0.08	0.16
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG12	12	0.18	0.08	0.16
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG13	12	0.18	0.08	0.16
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB2	12	0.18	0.05	0.18
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB3	12	0.18	0.05	0.18
(1,2093)	1:464:A:GLN:H	1:465:A:ALA:H	12	0.18	0.04	0.18
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	12	0.18	0.07	0.16
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	12	0.18	0.07	0.16
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	12	0.18	0.07	0.16
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	12	0.18	0.07	0.16
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	12	0.18	0.07	0.16
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	12	0.18	0.07	0.16
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE1	12	0.17	0.05	0.17
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE2	12	0.17	0.05	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1025)	1:419:A:GLN:HA	1:422:A:LEU:HG	12	0.17	0.03	0.17
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD11	12	0.17	0.06	0.15
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD12	12	0.17	0.06	0.15
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD13	12	0.17	0.06	0.15
(1,1826)	1:410:A:TYR:H	1:476:A:LEU:HA	12	0.17	0.04	0.16
(1,537)	1:455:A:ASN:HB3	1:457:A:VAL:HB	12	0.17	0.07	0.14
(1,1078)	1:440:A:LYS:HE2	1:441:A:GLN:HG3	12	0.16	0.02	0.16
(1,1078)	1:440:A:LYS:HE3	1:441:A:GLN:HG3	12	0.16	0.02	0.16
(1,668)	1:438:A:ILE:HB	1:440:A:LYS:H	12	0.16	0.04	0.16
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	12	0.16	0.05	0.14
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	12	0.16	0.05	0.14
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	12	0.16	0.05	0.14
(1,2044)	1:444:A:LEU:H	1:444:A:LEU:HB3	12	0.15	0.07	0.12
(1,2287)	1:470:A:GLN:HB2	1:470:A:GLN:HE22	12	0.15	0.01	0.15
(1,2156)	1:414:A:GLN:HG3	1:415:A:GLU:H	12	0.15	0.04	0.14
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG21	12	0.15	0.04	0.14
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG22	12	0.15	0.04	0.14
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG23	12	0.15	0.04	0.14
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB1	12	0.14	0.03	0.13
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB2	12	0.14	0.03	0.13
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB3	12	0.14	0.03	0.13
(1,478)	1:462:A:ALA:HB1	1:466:A:MET:H	12	0.14	0.03	0.12
(1,478)	1:462:A:ALA:HB2	1:466:A:MET:H	12	0.14	0.03	0.12
(1,478)	1:462:A:ALA:HB3	1:466:A:MET:H	12	0.14	0.03	0.12
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB1	12	0.13	0.02	0.13
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB2	12	0.13	0.02	0.13
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB3	12	0.13	0.02	0.13
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB2	12	0.12	0.02	0.12
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB3	12	0.12	0.02	0.12
(1,1844)	1:480:A:LEU:H	1:480:A:LEU:HG	11	1.15	0.73	1.48
(1,2209)	1:430:A:ASN:HD21	1:454:A:ASP:HB2	11	0.91	0.39	1.09
(1,426)	1:433:A:SER:HB2	1:452:A:SER:HB3	11	0.85	0.35	1.02
(1,611)	1:410:A:TYR:HB3	1:411:A:HIS:HD2	11	0.72	0.79	0.28
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG2	11	0.66	0.31	0.65
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG3	11	0.66	0.31	0.65
(1,1922)	1:452:A:SER:HB3	1:453:A:TYR:H	11	0.62	0.42	0.44
(1,1343)	1:426:A:MET:HG2	1:431:A:VAL:H	11	0.42	0.26	0.26
(1,1343)	1:426:A:MET:HG3	1:431:A:VAL:H	11	0.42	0.26	0.26
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	11	0.35	0.25	0.28
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	11	0.35	0.25	0.28
(1,441)	1:433:A:SER:HB3	1:452:A:SER:HB3	11	0.34	0.2	0.29
(1,424)	1:408:A:PHE:HE1	1:433:A:SER:HB2	11	0.34	0.3	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,424)	1:408:A:PHE:HE2	1:433:A:SER:HB2	11	0.34	0.3	0.24
(1,2286)	1:456:A:PRO:HB2	1:460:A:GLN:HE22	11	0.3	0.3	0.22
(1,184)	1:404:A:GLY:HA3	1:456:A:PRO:HB2	11	0.26	0.09	0.29
(1,851)	1:399:A:LYS:HD2	1:432:A:ILE:HB	11	0.26	0.06	0.28
(1,851)	1:399:A:LYS:HD3	1:432:A:ILE:HB	11	0.26	0.06	0.28
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG21	11	0.23	0.08	0.22
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG22	11	0.23	0.08	0.22
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG23	11	0.23	0.08	0.22
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG2	11	0.21	0.06	0.23
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG3	11	0.21	0.06	0.23
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG2	11	0.21	0.06	0.23
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG3	11	0.21	0.06	0.23
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG2	11	0.21	0.06	0.23
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG3	11	0.21	0.06	0.23
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG2	11	0.21	0.06	0.23
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG3	11	0.21	0.06	0.23
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG2	11	0.21	0.06	0.23
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG3	11	0.21	0.06	0.23
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG2	11	0.21	0.06	0.23
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG3	11	0.21	0.06	0.23
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG11	11	0.21	0.06	0.2
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG12	11	0.21	0.06	0.2
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG13	11	0.21	0.06	0.2
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG11	11	0.21	0.06	0.2
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG12	11	0.21	0.06	0.2
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG13	11	0.21	0.06	0.2
(1,1391)	1:405:A:ALA:HA	1:459:A:ALA:HA	11	0.2	0.06	0.19
(1,2284)	1:422:A:LEU:HB2	1:423:A:GLN:HE21	11	0.2	0.04	0.21
(1,2409)	1:408:A:PHE:HE1	1:452:A:SER:H	11	0.2	0.06	0.21
(1,2409)	1:408:A:PHE:HE2	1:452:A:SER:H	11	0.2	0.06	0.21
(1,1633)	1:405:A:ALA:HA	1:406:A:ASN:HD22	11	0.19	0.09	0.17
(1,341)	1:444:A:LEU:HB2	1:445:A:SER:HB2	11	0.19	0.09	0.15
(1,1174)	1:417:A:GLY:HA3	1:436:A:VAL:HB	11	0.18	0.05	0.2
(1,1228)	1:398:A:GLN:HG3	1:399:A:LYS:HA	11	0.18	0.05	0.18
(1,1430)	1:418:A:ASP:HB3	1:435:A:LYS:HA	11	0.18	0.04	0.19
(1,919)	1:400:A:GLU:HG3	1:406:A:ASN:HD21	11	0.18	0.06	0.15
(1,1160)	1:480:A:LEU:HA	1:481:A:LYS:HB2	11	0.18	0.04	0.17
(1,1252)	1:431:A:VAL:HA	1:452:A:SER:HA	11	0.17	0.06	0.16
(1,835)	1:442:A:THR:H	1:443:A:ASN:HB3	11	0.17	0.03	0.16
(1,1244)	1:411:A:HIS:HB2	1:476:A:LEU:HA	11	0.17	0.09	0.14
(1,2240)	1:445:A:SER:HB3	1:479:A:GLN:HE22	11	0.17	0.04	0.16
(1,2125)	1:420:A:ASP:HA	1:423:A:GLN:H	11	0.17	0.04	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD11	11	0.16	0.06	0.14
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD12	11	0.16	0.06	0.14
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD13	11	0.16	0.06	0.14
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG12	11	0.16	0.06	0.14
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG13	11	0.16	0.06	0.14
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG21	11	0.16	0.03	0.16
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG22	11	0.16	0.03	0.16
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG23	11	0.16	0.03	0.16
(1,2274)	1:456:A:PRO:HB3	1:460:A:GLN:HE22	11	0.16	0.04	0.14
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	11	0.15	0.04	0.14
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	11	0.15	0.04	0.14
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	11	0.15	0.04	0.14
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	11	0.15	0.04	0.14
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	11	0.15	0.04	0.14
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	11	0.15	0.04	0.14
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	11	0.15	0.03	0.16
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	11	0.15	0.03	0.16
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	11	0.15	0.03	0.16
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG21	11	0.14	0.04	0.13
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG22	11	0.14	0.04	0.13
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG23	11	0.14	0.04	0.13
(1,1970)	1:475:A:ARG:H	1:476:A:LEU:H	11	0.14	0.05	0.13
(1,1854)	1:422:A:LEU:H	1:422:A:LEU:HB2	11	0.12	0.02	0.12
(1,455)	1:438:A:ILE:HA	1:439:A:ASP:HB3	11	0.12	0.01	0.12
(1,2179)	1:412:A:LEU:H	1:448:A:PHE:HA	10	0.52	0.37	0.34
(1,999)	1:403:A:GLU:H	1:403:A:GLU:HG2	10	0.48	0.43	0.29
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE2	10	0.41	0.22	0.36
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE3	10	0.41	0.22	0.36
(1,924)	1:400:A:GLU:HG3	1:452:A:SER:HB3	10	0.35	0.21	0.29
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB2	10	0.26	0.06	0.26
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB3	10	0.26	0.06	0.26
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB2	10	0.26	0.06	0.26
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB3	10	0.26	0.06	0.26
(1,1029)	1:486:A:ASP:HB3	1:487:A:SER:HA	10	0.26	0.22	0.17
(1,773)	1:409:A:ILE:HD11	1:450:A:PHE:HA	10	0.25	0.11	0.21
(1,773)	1:409:A:ILE:HD12	1:450:A:PHE:HA	10	0.25	0.11	0.21
(1,773)	1:409:A:ILE:HD13	1:450:A:PHE:HA	10	0.25	0.11	0.21
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE2	10	0.24	0.09	0.27
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE3	10	0.24	0.09	0.27
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB2	10	0.23	0.08	0.2
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB3	10	0.23	0.08	0.2
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB2	10	0.23	0.08	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB3	10	0.23	0.08	0.2
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB2	10	0.23	0.08	0.2
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB3	10	0.23	0.08	0.2
(1,2248)	1:444:A:LEU:HB2	1:479:A:GLN:HE21	10	0.23	0.06	0.22
(1,467)	1:412:A:LEU:HB3	1:449:A:GLY:HA3	10	0.21	0.06	0.2
(1,1328)	1:412:A:LEU:HD11	1:448:A:PHE:HA	10	0.21	0.05	0.23
(1,1328)	1:412:A:LEU:HD12	1:448:A:PHE:HA	10	0.21	0.05	0.23
(1,1328)	1:412:A:LEU:HD13	1:448:A:PHE:HA	10	0.21	0.05	0.23
(1,1328)	1:412:A:LEU:HD21	1:448:A:PHE:HA	10	0.21	0.05	0.23
(1,1328)	1:412:A:LEU:HD22	1:448:A:PHE:HA	10	0.21	0.05	0.23
(1,1328)	1:412:A:LEU:HD23	1:448:A:PHE:HA	10	0.21	0.05	0.23
(1,169)	1:457:A:VAL:HG11	1:460:A:GLN:HE21	10	0.2	0.06	0.21
(1,169)	1:457:A:VAL:HG12	1:460:A:GLN:HE21	10	0.2	0.06	0.21
(1,169)	1:457:A:VAL:HG13	1:460:A:GLN:HE21	10	0.2	0.06	0.21
(1,169)	1:457:A:VAL:HG21	1:460:A:GLN:HE21	10	0.2	0.06	0.21
(1,169)	1:457:A:VAL:HG22	1:460:A:GLN:HE21	10	0.2	0.06	0.21
(1,169)	1:457:A:VAL:HG23	1:460:A:GLN:HE21	10	0.2	0.06	0.21
(1,1841)	1:480:A:LEU:H	1:481:A:LYS:H	10	0.2	0.08	0.19
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB1	10	0.2	0.07	0.19
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB2	10	0.2	0.07	0.19
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB3	10	0.2	0.07	0.19
(1,1426)	1:485:A:ASN:HB2	1:486:A:ASP:HA	10	0.2	0.05	0.2
(1,2375)	1:437:A:PHE:HD1	1:438:A:ILE:H	10	0.19	0.05	0.21
(1,2375)	1:437:A:PHE:HD2	1:438:A:ILE:H	10	0.19	0.05	0.21
(1,1418)	1:413:A:PRO:HB2	1:475:A:ARG:HA	10	0.19	0.04	0.18
(1,1418)	1:413:A:PRO:HB3	1:475:A:ARG:HA	10	0.19	0.04	0.18
(1,37)	1:469:A:PHE:HB3	1:476:A:LEU:HG	10	0.18	0.05	0.17
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB2	10	0.18	0.03	0.19
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB3	10	0.18	0.03	0.19
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB2	10	0.18	0.03	0.19
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB3	10	0.18	0.03	0.19
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB2	10	0.18	0.03	0.19
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB3	10	0.18	0.03	0.19
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG11	10	0.18	0.05	0.17
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG12	10	0.18	0.05	0.17
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG13	10	0.18	0.05	0.17
(1,1975)	1:470:A:GLN:HG2	1:475:A:ARG:H	10	0.17	0.06	0.16
(1,1975)	1:470:A:GLN:HG3	1:475:A:ARG:H	10	0.17	0.06	0.16
(1,1849)	1:399:A:LYS:H	1:433:A:SER:HA	10	0.17	0.05	0.15
(1,1928)	1:435:A:LYS:H	1:451:A:VAL:HA	10	0.16	0.04	0.15
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG21	10	0.16	0.03	0.16
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG22	10	0.16	0.03	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG23	10	0.16	0.03	0.16
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG21	10	0.16	0.03	0.16
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG22	10	0.16	0.03	0.16
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG23	10	0.16	0.03	0.16
(1,2233)	1:484:A:LYS:HG2	1:485:A:ASN:HD22	10	0.16	0.05	0.15
(1,2233)	1:484:A:LYS:HG3	1:485:A:ASN:HD22	10	0.16	0.05	0.15
(1,1462)	1:432:A:ILE:H	1:454:A:ASP:HA	10	0.15	0.03	0.15
(1,376)	1:475:A:ARG:H	1:475:A:ARG:HD3	10	0.14	0.02	0.13
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB2	10	0.14	0.04	0.12
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB3	10	0.14	0.04	0.12
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB2	10	0.14	0.04	0.12
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB3	10	0.14	0.04	0.12
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB1	10	0.13	0.02	0.13
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB2	10	0.13	0.02	0.13
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB3	10	0.13	0.02	0.13
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG21	10	0.11	0.01	0.11
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG22	10	0.11	0.01	0.11
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG23	10	0.11	0.01	0.11
(1,713)	1:429:A:GLY:HA3	1:458:A:SER:HB2	9	0.54	0.38	0.44
(1,404)	1:468:A:GLY:HA3	1:475:A:ARG:HD3	9	0.44	0.34	0.29
(1,85)	1:480:A:LEU:HD11	1:481:A:LYS:H	9	0.43	0.54	0.23
(1,85)	1:480:A:LEU:HD12	1:481:A:LYS:H	9	0.43	0.54	0.23
(1,85)	1:480:A:LEU:HD13	1:481:A:LYS:H	9	0.43	0.54	0.23
(1,85)	1:480:A:LEU:HD21	1:481:A:LYS:H	9	0.43	0.54	0.23
(1,85)	1:480:A:LEU:HD22	1:481:A:LYS:H	9	0.43	0.54	0.23
(1,85)	1:480:A:LEU:HD23	1:481:A:LYS:H	9	0.43	0.54	0.23
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB2	9	0.4	0.26	0.31
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB3	9	0.4	0.26	0.31
(1,369)	1:401:A:GLY:H	1:452:A:SER:HB2	9	0.38	0.31	0.24
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG21	9	0.37	0.05	0.36
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG22	9	0.37	0.05	0.36
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG23	9	0.37	0.05	0.36
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG21	9	0.37	0.05	0.36
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG22	9	0.37	0.05	0.36
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG23	9	0.37	0.05	0.36
(1,1354)	1:400:A:GLU:HB2	1:452:A:SER:HB3	9	0.37	0.32	0.24
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD11	9	0.32	0.04	0.31
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD12	9	0.32	0.04	0.31
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD13	9	0.32	0.04	0.31
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD11	9	0.32	0.04	0.31
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD12	9	0.32	0.04	0.31
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD13	9	0.32	0.04	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD11	9	0.3	0.33	0.17
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD12	9	0.3	0.33	0.17
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD13	9	0.3	0.33	0.17
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD21	9	0.3	0.33	0.17
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD22	9	0.3	0.33	0.17
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD23	9	0.3	0.33	0.17
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD11	9	0.3	0.19	0.24
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD12	9	0.3	0.19	0.24
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD13	9	0.3	0.19	0.24
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD21	9	0.3	0.19	0.24
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD22	9	0.3	0.19	0.24
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD23	9	0.3	0.19	0.24
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD11	9	0.3	0.19	0.24
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD12	9	0.3	0.19	0.24
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD13	9	0.3	0.19	0.24
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD21	9	0.3	0.19	0.24
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD22	9	0.3	0.19	0.24
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD23	9	0.3	0.19	0.24
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG21	9	0.3	0.19	0.21
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG22	9	0.3	0.19	0.21
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG23	9	0.3	0.19	0.21
(1,2237)	1:404:A:GLY:H	1:406:A:ASN:HD21	9	0.29	0.17	0.24
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG2	9	0.28	0.07	0.24
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG3	9	0.28	0.07	0.24
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG2	9	0.28	0.07	0.24
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG3	9	0.28	0.07	0.24
(1,2340)	1:448:A:PHE:HD1	1:449:A:GLY:H	9	0.27	0.08	0.26
(1,2340)	1:448:A:PHE:HD2	1:449:A:GLY:H	9	0.27	0.08	0.26
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	9	0.25	0.05	0.25
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	9	0.25	0.05	0.25
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	9	0.25	0.05	0.25
(1,176)	1:431:A:VAL:HG11	1:433:A:SER:H	9	0.24	0.07	0.24
(1,176)	1:431:A:VAL:HG12	1:433:A:SER:H	9	0.24	0.07	0.24
(1,176)	1:431:A:VAL:HG13	1:433:A:SER:H	9	0.24	0.07	0.24
(1,1815)	1:469:A:PHE:H	1:476:A:LEU:HA	9	0.22	0.08	0.23
(1,2316)	1:411:A:HIS:H	1:449:A:GLY:H	9	0.2	0.06	0.17
(1,368)	1:432:A:ILE:HB	1:452:A:SER:HB2	9	0.2	0.07	0.19
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB2	9	0.2	0.05	0.18
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB3	9	0.2	0.05	0.18
(1,2025)	1:468:A:GLY:H	1:478:A:VAL:H	9	0.2	0.06	0.17
(1,1312)	1:472:A:GLY:HA2	1:473:A:MET:HG2	9	0.2	0.05	0.18
(1,1786)	1:409:A:ILE:HA	1:477:A:LYS:H	9	0.19	0.05	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD11	9	0.19	0.07	0.16
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD12	9	0.19	0.07	0.16
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD13	9	0.19	0.07	0.16
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD21	9	0.19	0.07	0.16
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD22	9	0.19	0.07	0.16
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD23	9	0.19	0.07	0.16
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG21	9	0.19	0.04	0.19
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG22	9	0.19	0.04	0.19
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG23	9	0.19	0.04	0.19
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG21	9	0.19	0.04	0.19
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG22	9	0.19	0.04	0.19
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG23	9	0.19	0.04	0.19
(1,1572)	1:409:A:ILE:HG12	1:449:A:GLY:H	9	0.19	0.08	0.15
(1,2390)	1:416:A:PHE:HE1	1:420:A:ASP:HB2	9	0.18	0.08	0.16
(1,2390)	1:416:A:PHE:HE2	1:420:A:ASP:HB2	9	0.18	0.08	0.16
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG2	9	0.18	0.04	0.19
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG3	9	0.18	0.04	0.19
(1,1966)	1:403:A:GLU:HA	1:405:A:ALA:H	9	0.17	0.03	0.17
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	9	0.16	0.03	0.14
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	9	0.16	0.03	0.14
(1,898)	1:421:A:ILE:HD11	1:451:A:VAL:HB	9	0.16	0.03	0.16
(1,898)	1:421:A:ILE:HD12	1:451:A:VAL:HB	9	0.16	0.03	0.16
(1,898)	1:421:A:ILE:HD13	1:451:A:VAL:HB	9	0.16	0.03	0.16
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG21	9	0.15	0.04	0.15
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG22	9	0.15	0.04	0.15
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG23	9	0.15	0.04	0.15
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD11	9	0.15	0.04	0.14
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD12	9	0.15	0.04	0.14
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD13	9	0.15	0.04	0.14
(1,763)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	9	0.15	0.03	0.14
(1,763)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	9	0.15	0.03	0.14
(1,1478)	1:402:A:PRO:HG3	1:454:A:ASP:HA	9	0.15	0.04	0.14
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD1	9	0.14	0.02	0.15
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD2	9	0.14	0.02	0.15
(1,31)	1:402:A:PRO:HD3	1:455:A:ASN:H	9	0.14	0.03	0.14
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	9	0.13	0.04	0.12
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	9	0.13	0.04	0.12
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	9	0.13	0.04	0.12
(1,2387)	1:416:A:PHE:HE1	1:421:A:ILE:HA	9	0.12	0.02	0.11
(1,2387)	1:416:A:PHE:HE2	1:421:A:ILE:HA	9	0.12	0.02	0.11
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE1	8	1.64	0.92	2.03
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE2	8	1.64	0.92	2.03

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,62)	1:480:A:LEU:HA	1:480:A:LEU:HG	8	0.96	0.18	1.0
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB2	8	0.84	0.25	0.89
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB3	8	0.84	0.25	0.89
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB1	8	0.83	0.52	1.06
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB2	8	0.83	0.52	1.06
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB3	8	0.83	0.52	1.06
(1,837)	1:443:A:ASN:H	1:443:A:ASN:HB3	8	0.45	0.04	0.46
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD1	8	0.44	0.23	0.43
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD2	8	0.44	0.23	0.43
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD1	8	0.44	0.23	0.43
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD2	8	0.44	0.23	0.43
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD1	8	0.44	0.23	0.43
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD2	8	0.44	0.23	0.43
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD1	8	0.44	0.23	0.43
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD2	8	0.44	0.23	0.43
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD1	8	0.44	0.23	0.43
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD2	8	0.44	0.23	0.43
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD1	8	0.44	0.23	0.43
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD2	8	0.44	0.23	0.43
(1,589)	1:486:A:ASP:H	1:486:A:ASP:HB3	8	0.42	0.17	0.38
(1,1242)	1:483:A:SER:HB2	1:484:A:LYS:HB3	8	0.38	0.41	0.22
(1,1242)	1:483:A:SER:HB3	1:484:A:LYS:HB3	8	0.38	0.41	0.22
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB1	8	0.3	0.07	0.3
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB2	8	0.3	0.07	0.3
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB3	8	0.3	0.07	0.3
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE1	8	0.27	0.12	0.23
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE2	8	0.27	0.12	0.23
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG11	8	0.26	0.18	0.2
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG12	8	0.26	0.18	0.2
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG13	8	0.26	0.18	0.2
(1,1171)	1:398:A:GLN:HG2	1:433:A:SER:HB3	8	0.25	0.18	0.17
(1,660)	1:489:A:PRO:HA	1:490:A:TYR:HB2	8	0.25	0.08	0.24
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD1	8	0.24	0.07	0.27
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD2	8	0.24	0.07	0.27
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD1	8	0.24	0.07	0.27
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD2	8	0.24	0.07	0.27
(1,1627)	1:402:A:PRO:HG2	1:455:A:ASN:HA	8	0.24	0.08	0.25
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG2	8	0.2	0.07	0.2
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG3	8	0.2	0.07	0.2
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG2	8	0.2	0.07	0.2
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG3	8	0.2	0.07	0.2
(1,1280)	1:398:A:GLN:HA	1:398:A:GLN:HE21	8	0.2	0.09	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,416)	1:453:A:TYR:HB2	1:459:A:ALA:H	8	0.19	0.07	0.18
(1,659)	1:489:A:PRO:HA	1:490:A:TYR:H	8	0.19	0.06	0.16
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG21	8	0.19	0.07	0.17
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG22	8	0.19	0.07	0.17
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG23	8	0.19	0.07	0.17
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG21	8	0.19	0.07	0.17
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG22	8	0.19	0.07	0.17
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG23	8	0.19	0.07	0.17
(1,626)	1:444:A:LEU:HB3	1:445:A:SER:HB3	8	0.18	0.09	0.16
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE1	8	0.18	0.06	0.19
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE2	8	0.18	0.06	0.19
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE1	8	0.18	0.06	0.19
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE2	8	0.18	0.06	0.19
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB2	8	0.17	0.06	0.16
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB3	8	0.17	0.06	0.16
(1,2042)	1:443:A:ASN:HD22	1:444:A:LEU:H	8	0.17	0.07	0.13
(1,976)	1:432:A:ILE:HD11	1:453:A:TYR:HA	8	0.16	0.05	0.16
(1,976)	1:432:A:ILE:HD12	1:453:A:TYR:HA	8	0.16	0.05	0.16
(1,976)	1:432:A:ILE:HD13	1:453:A:TYR:HA	8	0.16	0.05	0.16
(1,1831)	1:407:A:LEU:H	1:453:A:TYR:H	8	0.16	0.04	0.16
(1,1443)	1:439:A:ASP:HA	1:442:A:THR:H	8	0.16	0.05	0.14
(1,594)	1:468:A:GLY:HA2	1:469:A:PHE:HB3	8	0.15	0.03	0.15
(1,1021)	1:444:A:LEU:HD11	1:445:A:SER:HA	8	0.15	0.03	0.15
(1,1021)	1:444:A:LEU:HD12	1:445:A:SER:HA	8	0.15	0.03	0.15
(1,1021)	1:444:A:LEU:HD13	1:445:A:SER:HA	8	0.15	0.03	0.15
(1,1021)	1:444:A:LEU:HD21	1:445:A:SER:HA	8	0.15	0.03	0.15
(1,1021)	1:444:A:LEU:HD22	1:445:A:SER:HA	8	0.15	0.03	0.15
(1,1021)	1:444:A:LEU:HD23	1:445:A:SER:HA	8	0.15	0.03	0.15
(1,229)	1:451:A:VAL:HG21	1:452:A:SER:H	8	0.15	0.02	0.15
(1,229)	1:451:A:VAL:HG22	1:452:A:SER:H	8	0.15	0.02	0.15
(1,229)	1:451:A:VAL:HG23	1:452:A:SER:H	8	0.15	0.02	0.15
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	8	0.15	0.04	0.15
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	8	0.15	0.04	0.15
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	8	0.15	0.04	0.15
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	8	0.15	0.04	0.15
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	8	0.15	0.04	0.15
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	8	0.15	0.04	0.15
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB1	8	0.15	0.03	0.14
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB2	8	0.15	0.03	0.14
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB3	8	0.15	0.03	0.14
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE1	8	0.15	0.05	0.14
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE2	8	0.15	0.05	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,939)	1:408:A:PHE:HB3	1:409:A:ILE:HA	8	0.14	0.03	0.14
(1,642)	1:463:A:ILE:HG21	1:464:A:GLN:H	8	0.14	0.03	0.14
(1,642)	1:463:A:ILE:HG22	1:464:A:GLN:H	8	0.14	0.03	0.14
(1,642)	1:463:A:ILE:HG23	1:464:A:GLN:H	8	0.14	0.03	0.14
(1,709)	1:429:A:GLY:HA2	1:458:A:SER:HB3	8	0.13	0.02	0.14
(1,833)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	8	0.13	0.01	0.14
(1,172)	1:431:A:VAL:HG11	1:432:A:ILE:H	8	0.13	0.02	0.13
(1,172)	1:431:A:VAL:HG12	1:432:A:ILE:H	8	0.13	0.02	0.13
(1,172)	1:431:A:VAL:HG13	1:432:A:ILE:H	8	0.13	0.02	0.13
(1,1961)	1:450:A:PHE:H	1:450:A:PHE:HB3	8	0.13	0.01	0.13
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG12	8	0.13	0.02	0.12
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG13	8	0.13	0.02	0.12
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG12	8	0.13	0.02	0.12
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG13	8	0.13	0.02	0.12
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD11	8	0.13	0.04	0.11
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD12	8	0.13	0.04	0.11
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD13	8	0.13	0.04	0.11
(1,499)	1:440:A:LYS:HE2	1:441:A:GLN:HE21	7	1.08	0.61	1.48
(1,499)	1:440:A:LYS:HE3	1:441:A:GLN:HE21	7	1.08	0.61	1.48
(1,1081)	1:440:A:LYS:HD2	1:441:A:GLN:HG3	7	1.0	0.55	1.33
(1,1081)	1:440:A:LYS:HD3	1:441:A:GLN:HG3	7	1.0	0.55	1.33
(1,192)	1:436:A:VAL:HG21	1:449:A:GLY:HA2	7	0.67	0.33	0.68
(1,192)	1:436:A:VAL:HG22	1:449:A:GLY:HA2	7	0.67	0.33	0.68
(1,192)	1:436:A:VAL:HG23	1:449:A:GLY:HA2	7	0.67	0.33	0.68
(1,1682)	1:482:A:ARG:HG2	1:483:A:SER:HB2	7	0.59	0.7	0.19
(1,1682)	1:482:A:ARG:HG2	1:483:A:SER:HB3	7	0.59	0.7	0.19
(1,1682)	1:482:A:ARG:HG3	1:483:A:SER:HB2	7	0.59	0.7	0.19
(1,1682)	1:482:A:ARG:HG3	1:483:A:SER:HB3	7	0.59	0.7	0.19
(1,873)	1:451:A:VAL:HA	1:452:A:SER:HB3	7	0.42	0.18	0.39
(1,1168)	1:398:A:GLN:H	1:398:A:GLN:HG2	7	0.41	0.28	0.34
(1,1139)	1:477:A:LYS:HG2	1:479:A:GLN:HG2	7	0.41	0.32	0.23
(1,1139)	1:477:A:LYS:HG2	1:479:A:GLN:HG3	7	0.41	0.32	0.23
(1,1139)	1:477:A:LYS:HG3	1:479:A:GLN:HG2	7	0.41	0.32	0.23
(1,1139)	1:477:A:LYS:HG3	1:479:A:GLN:HG3	7	0.41	0.32	0.23
(1,1039)	1:441:A:GLN:HA	1:441:A:GLN:HE22	7	0.35	0.04	0.36
(1,1309)	1:472:A:GLY:HA3	1:473:A:MET:HG2	7	0.35	0.06	0.36
(1,1521)	1:477:A:LYS:HD2	1:479:A:GLN:HB2	7	0.29	0.31	0.17
(1,1521)	1:477:A:LYS:HD2	1:479:A:GLN:HB3	7	0.29	0.31	0.17
(1,1521)	1:477:A:LYS:HD3	1:479:A:GLN:HB2	7	0.29	0.31	0.17
(1,1521)	1:477:A:LYS:HD3	1:479:A:GLN:HB3	7	0.29	0.31	0.17
(1,2346)	1:409:A:ILE:HG21	1:448:A:PHE:HD1	7	0.26	0.11	0.24
(1,2346)	1:409:A:ILE:HG21	1:448:A:PHE:HD2	7	0.26	0.11	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2346)	1:409:A:ILE:HG22	1:448:A:PHE:HD1	7	0.26	0.11	0.24
(1,2346)	1:409:A:ILE:HG22	1:448:A:PHE:HD2	7	0.26	0.11	0.24
(1,2346)	1:409:A:ILE:HG23	1:448:A:PHE:HD1	7	0.26	0.11	0.24
(1,2346)	1:409:A:ILE:HG23	1:448:A:PHE:HD2	7	0.26	0.11	0.24
(1,2379)	1:436:A:VAL:HA	1:450:A:PHE:HD1	7	0.25	0.1	0.21
(1,2379)	1:436:A:VAL:HA	1:450:A:PHE:HD2	7	0.25	0.1	0.21
(1,379)	1:475:A:ARG:HA	1:475:A:ARG:HD2	7	0.24	0.13	0.2
(1,878)	1:433:A:SER:HB3	1:451:A:VAL:HA	7	0.24	0.06	0.26
(1,514)	1:435:A:LYS:HE2	1:439:A:ASP:HB2	7	0.23	0.13	0.19
(1,514)	1:435:A:LYS:HE3	1:439:A:ASP:HB2	7	0.23	0.13	0.19
(1,437)	1:433:A:SER:HB3	1:452:A:SER:H	7	0.23	0.1	0.19
(1,1816)	1:469:A:PHE:H	1:469:A:PHE:HB3	7	0.21	0.05	0.22
(1,880)	1:463:A:ILE:HD11	1:479:A:GLN:H	7	0.21	0.13	0.12
(1,880)	1:463:A:ILE:HD12	1:479:A:GLN:H	7	0.21	0.13	0.12
(1,880)	1:463:A:ILE:HD13	1:479:A:GLN:H	7	0.21	0.13	0.12
(1,2276)	1:464:A:GLN:H	1:464:A:GLN:HE22	7	0.2	0.05	0.22
(1,1181)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	7	0.2	0.05	0.2
(1,1181)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	7	0.2	0.05	0.2
(1,2061)	1:429:A:GLY:HA2	1:430:A:ASN:H	7	0.2	0.06	0.21
(1,1289)	1:405:A:ALA:HA	1:456:A:PRO:HB2	7	0.19	0.05	0.22
(1,1147)	1:483:A:SER:HB2	1:484:A:LYS:HA	7	0.19	0.06	0.19
(1,1147)	1:483:A:SER:HB3	1:484:A:LYS:HA	7	0.19	0.06	0.19
(1,498)	1:438:A:ILE:HG21	1:440:A:LYS:HE2	7	0.19	0.04	0.21
(1,498)	1:438:A:ILE:HG21	1:440:A:LYS:HE3	7	0.19	0.04	0.21
(1,498)	1:438:A:ILE:HG22	1:440:A:LYS:HE2	7	0.19	0.04	0.21
(1,498)	1:438:A:ILE:HG22	1:440:A:LYS:HE3	7	0.19	0.04	0.21
(1,498)	1:438:A:ILE:HG23	1:440:A:LYS:HE2	7	0.19	0.04	0.21
(1,498)	1:438:A:ILE:HG23	1:440:A:LYS:HE3	7	0.19	0.04	0.21
(1,1136)	1:460:A:GLN:HG2	1:463:A:ILE:H	7	0.18	0.01	0.18
(1,1136)	1:460:A:GLN:HG3	1:463:A:ILE:H	7	0.18	0.01	0.18
(1,1719)	1:469:A:PHE:HE1	1:470:A:GLN:H	7	0.17	0.05	0.16
(1,1719)	1:469:A:PHE:HE2	1:470:A:GLN:H	7	0.17	0.05	0.16
(1,420)	1:479:A:GLN:HA	1:480:A:LEU:HB2	7	0.17	0.04	0.15
(1,420)	1:479:A:GLN:HA	1:480:A:LEU:HB3	7	0.17	0.04	0.15
(1,927)	1:400:A:GLU:HG2	1:406:A:ASN:HB2	7	0.17	0.06	0.16
(1,1828)	1:409:A:ILE:HD11	1:410:A:TYR:H	7	0.17	0.06	0.17
(1,1828)	1:409:A:ILE:HD12	1:410:A:TYR:H	7	0.17	0.06	0.17
(1,1828)	1:409:A:ILE:HD13	1:410:A:TYR:H	7	0.17	0.06	0.17
(1,2358)	1:453:A:TYR:HD1	1:458:A:SER:HB3	7	0.17	0.05	0.16
(1,2358)	1:453:A:TYR:HD2	1:458:A:SER:HB3	7	0.17	0.05	0.16
(1,1162)	1:460:A:GLN:HG2	1:463:A:ILE:HB	7	0.17	0.02	0.17
(1,1162)	1:460:A:GLN:HG3	1:463:A:ILE:HB	7	0.17	0.02	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	7	0.16	0.04	0.17
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	7	0.16	0.04	0.17
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	7	0.16	0.04	0.17
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	7	0.16	0.04	0.17
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	7	0.16	0.04	0.17
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	7	0.16	0.04	0.17
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	7	0.16	0.04	0.17
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	7	0.16	0.04	0.17
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	7	0.16	0.04	0.17
(1,1516)	1:398:A:GLN:HB2	1:435:A:LYS:H	7	0.16	0.05	0.15
(1,1516)	1:398:A:GLN:HB3	1:435:A:LYS:H	7	0.16	0.05	0.15
(1,1672)	1:405:A:ALA:HB1	1:456:A:PRO:HG2	7	0.16	0.03	0.16
(1,1672)	1:405:A:ALA:HB1	1:456:A:PRO:HG3	7	0.16	0.03	0.16
(1,1672)	1:405:A:ALA:HB2	1:456:A:PRO:HG2	7	0.16	0.03	0.16
(1,1672)	1:405:A:ALA:HB2	1:456:A:PRO:HG3	7	0.16	0.03	0.16
(1,1672)	1:405:A:ALA:HB3	1:456:A:PRO:HG2	7	0.16	0.03	0.16
(1,1672)	1:405:A:ALA:HB3	1:456:A:PRO:HG3	7	0.16	0.03	0.16
(1,1484)	1:406:A:ASN:HA	1:451:A:VAL:H	7	0.16	0.04	0.14
(1,1323)	1:422:A:LEU:HD11	1:431:A:VAL:HB	7	0.16	0.05	0.15
(1,1323)	1:422:A:LEU:HD12	1:431:A:VAL:HB	7	0.16	0.05	0.15
(1,1323)	1:422:A:LEU:HD13	1:431:A:VAL:HB	7	0.16	0.05	0.15
(1,1323)	1:422:A:LEU:HD21	1:431:A:VAL:HB	7	0.16	0.05	0.15
(1,1323)	1:422:A:LEU:HD22	1:431:A:VAL:HB	7	0.16	0.05	0.15
(1,1323)	1:422:A:LEU:HD23	1:431:A:VAL:HB	7	0.16	0.05	0.15
(1,2366)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	7	0.15	0.03	0.16
(1,2366)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	7	0.15	0.03	0.16
(1,2366)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	7	0.15	0.03	0.16
(1,2366)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	7	0.15	0.03	0.16
(1,2366)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	7	0.15	0.03	0.16
(1,2366)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	7	0.15	0.03	0.16
(1,1428)	1:488:A:LYS:HA	1:489:A:PRO:HB2	7	0.15	0.04	0.15
(1,1428)	1:488:A:LYS:HA	1:489:A:PRO:HB3	7	0.15	0.04	0.15
(1,27)	1:402:A:PRO:HD3	1:455:A:ASN:HA	7	0.15	0.04	0.14
(1,793)	1:422:A:LEU:HA	1:425:A:PHE:HB3	7	0.15	0.02	0.14
(1,2417)	1:416:A:PHE:HD1	1:417:A:GLY:H	7	0.15	0.03	0.16
(1,2417)	1:416:A:PHE:HD2	1:417:A:GLY:H	7	0.15	0.03	0.16
(1,1417)	1:471:A:ILE:HB	1:475:A:ARG:HA	7	0.14	0.02	0.15
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG21	7	0.14	0.01	0.15
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG22	7	0.14	0.01	0.15
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG23	7	0.14	0.01	0.15
(1,2004)	1:463:A:ILE:HG21	1:467:A:ASN:H	7	0.13	0.02	0.14
(1,2004)	1:463:A:ILE:HG22	1:467:A:ASN:H	7	0.13	0.02	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2004)	1:463:A:ILE:HG23	1:467:A:ASN:H	7	0.13	0.02	0.14
(1,1335)	1:422:A:LEU:HG	1:426:A:MET:HG2	7	0.13	0.03	0.12
(1,1335)	1:422:A:LEU:HG	1:426:A:MET:HG3	7	0.13	0.03	0.12
(1,1052)	1:411:A:HIS:HB3	1:474:A:LYS:HB2	7	0.13	0.02	0.12
(1,1298)	1:440:A:LYS:HB2	1:443:A:ASN:HB3	7	0.13	0.02	0.12
(1,1298)	1:440:A:LYS:HB3	1:443:A:ASN:HB3	7	0.13	0.02	0.12
(1,2386)	1:450:A:PHE:HD1	1:451:A:VAL:H	7	0.12	0.01	0.12
(1,2386)	1:450:A:PHE:HD2	1:451:A:VAL:H	7	0.12	0.01	0.12
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD11	7	0.12	0.02	0.12
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD12	7	0.12	0.02	0.12
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD13	7	0.12	0.02	0.12
(1,885)	1:463:A:ILE:HD11	1:480:A:LEU:HA	6	1.3	0.61	1.34
(1,885)	1:463:A:ILE:HD12	1:480:A:LEU:HA	6	1.3	0.61	1.34
(1,885)	1:463:A:ILE:HD13	1:480:A:LEU:HA	6	1.3	0.61	1.34
(1,2306)	1:398:A:GLN:HE21	1:408:A:PHE:HE1	6	0.65	0.5	0.64
(1,2306)	1:398:A:GLN:HE21	1:408:A:PHE:HE2	6	0.65	0.5	0.64
(1,1167)	1:398:A:GLN:HG3	1:433:A:SER:HB3	6	0.49	0.31	0.48
(1,60)	1:480:A:LEU:HG	1:481:A:LYS:H	6	0.39	0.27	0.33
(1,921)	1:400:A:GLU:HG3	1:452:A:SER:HB2	6	0.35	0.21	0.28
(1,2401)	1:398:A:GLN:HG2	1:408:A:PHE:HE1	6	0.32	0.22	0.21
(1,2401)	1:398:A:GLN:HG2	1:408:A:PHE:HE2	6	0.32	0.22	0.21
(1,2014)	1:407:A:LEU:HB2	1:408:A:PHE:H	6	0.31	0.14	0.3
(1,721)	1:469:A:PHE:HD1	1:471:A:ILE:HB	6	0.3	0.12	0.38
(1,721)	1:469:A:PHE:HD2	1:471:A:ILE:HB	6	0.3	0.12	0.38
(1,2342)	1:448:A:PHE:H	1:448:A:PHE:HD1	6	0.3	0.2	0.2
(1,2342)	1:448:A:PHE:H	1:448:A:PHE:HD2	6	0.3	0.2	0.2
(1,1850)	1:399:A:LYS:H	1:433:A:SER:HB2	6	0.29	0.09	0.3
(1,2246)	1:445:A:SER:HB2	1:479:A:GLN:HE21	6	0.28	0.08	0.3
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	6	0.28	0.22	0.2
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	6	0.28	0.22	0.2
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	6	0.28	0.22	0.2
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	6	0.28	0.22	0.2
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	6	0.28	0.22	0.2
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	6	0.28	0.22	0.2
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	6	0.28	0.22	0.2
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	6	0.28	0.22	0.2
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	6	0.28	0.22	0.2
(1,406)	1:482:A:ARG:HA	1:482:A:ARG:HD2	6	0.26	0.14	0.21
(1,406)	1:482:A:ARG:HA	1:482:A:ARG:HD3	6	0.26	0.14	0.21
(1,1164)	1:398:A:GLN:HG3	1:399:A:LYS:H	6	0.24	0.08	0.26
(1,665)	1:418:A:ASP:H	1:420:A:ASP:HB3	6	0.23	0.1	0.22
(1,1515)	1:398:A:GLN:HB2	1:399:A:LYS:H	6	0.22	0.11	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1515)	1:398:A:GLN:HB3	1:399:A:LYS:H	6	0.22	0.11	0.16
(1,1886)	1:428:A:PHE:HD1	1:462:A:ALA:H	6	0.22	0.03	0.22
(1,1886)	1:428:A:PHE:HD2	1:462:A:ALA:H	6	0.22	0.03	0.22
(1,1579)	1:470:A:GLN:HB3	1:475:A:ARG:HD2	6	0.22	0.01	0.22
(1,1249)	1:483:A:SER:HA	1:484:A:LYS:HB2	6	0.21	0.07	0.21
(1,1083)	1:441:A:GLN:HG3	1:443:A:ASN:H	6	0.21	0.05	0.21
(1,1239)	1:407:A:LEU:HB3	1:452:A:SER:HA	6	0.2	0.05	0.18
(1,1732)	1:424:A:MET:H	1:426:A:MET:H	6	0.19	0.05	0.16
(1,1806)	1:489:A:PRO:HG2	1:490:A:TYR:H	6	0.19	0.02	0.18
(1,1135)	1:484:A:LYS:HA	1:484:A:LYS:HE2	6	0.19	0.05	0.18
(1,1135)	1:484:A:LYS:HA	1:484:A:LYS:HE3	6	0.19	0.05	0.18
(1,2216)	1:430:A:ASN:HD21	1:454:A:ASP:HB3	6	0.19	0.05	0.18
(1,138)	1:422:A:LEU:HD11	1:431:A:VAL:H	6	0.19	0.03	0.18
(1,138)	1:422:A:LEU:HD12	1:431:A:VAL:H	6	0.19	0.03	0.18
(1,138)	1:422:A:LEU:HD13	1:431:A:VAL:H	6	0.19	0.03	0.18
(1,138)	1:422:A:LEU:HD21	1:431:A:VAL:H	6	0.19	0.03	0.18
(1,138)	1:422:A:LEU:HD22	1:431:A:VAL:H	6	0.19	0.03	0.18
(1,138)	1:422:A:LEU:HD23	1:431:A:VAL:H	6	0.19	0.03	0.18
(1,1896)	1:418:A:ASP:H	1:419:A:GLN:H	6	0.18	0.04	0.18
(1,970)	1:414:A:GLN:HA	1:474:A:LYS:HD2	6	0.18	0.05	0.19
(1,970)	1:414:A:GLN:HA	1:474:A:LYS:HD3	6	0.18	0.05	0.19
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG11	6	0.18	0.04	0.16
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG12	6	0.18	0.04	0.16
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG13	6	0.18	0.04	0.16
(1,367)	1:433:A:SER:H	1:452:A:SER:HB2	6	0.18	0.04	0.16
(1,1778)	1:434:A:ALA:H	1:435:A:LYS:HG2	6	0.17	0.05	0.16
(1,2433)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	6	0.17	0.05	0.19
(1,2433)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	6	0.17	0.05	0.19
(1,2433)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	6	0.17	0.05	0.19
(1,2433)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	6	0.17	0.05	0.19
(1,2433)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	6	0.17	0.05	0.19
(1,2433)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	6	0.17	0.05	0.19
(1,2433)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	6	0.17	0.05	0.19
(1,2433)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	6	0.17	0.05	0.19
(1,2433)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	6	0.17	0.05	0.19
(1,2433)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	6	0.17	0.05	0.19
(1,2433)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	6	0.17	0.05	0.19
(1,2433)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	6	0.17	0.05	0.19
(1,1315)	1:413:A:PRO:HB2	1:416:A:PHE:HE1	6	0.17	0.03	0.16
(1,1315)	1:413:A:PRO:HB2	1:416:A:PHE:HE2	6	0.17	0.03	0.16
(1,1315)	1:413:A:PRO:HB3	1:416:A:PHE:HE1	6	0.17	0.03	0.16
(1,1315)	1:413:A:PRO:HB3	1:416:A:PHE:HE2	6	0.17	0.03	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2074)	1:441:A:GLN:H	1:441:A:GLN:HB3	6	0.17	0.03	0.16
(1,2382)	1:466:A:MET:HG2	1:469:A:PHE:HD1	6	0.16	0.05	0.15
(1,2382)	1:466:A:MET:HG2	1:469:A:PHE:HD2	6	0.16	0.05	0.15
(1,2382)	1:466:A:MET:HG3	1:469:A:PHE:HD1	6	0.16	0.05	0.15
(1,2382)	1:466:A:MET:HG3	1:469:A:PHE:HD2	6	0.16	0.05	0.15
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG11	6	0.16	0.05	0.16
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG12	6	0.16	0.05	0.16
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG13	6	0.16	0.05	0.16
(1,2148)	1:404:A:GLY:HA3	1:406:A:ASN:H	6	0.16	0.03	0.16
(1,217)	1:429:A:GLY:HA3	1:455:A:ASN:HD21	6	0.15	0.04	0.16
(1,1839)	1:470:A:GLN:HA	1:476:A:LEU:H	6	0.15	0.02	0.14
(1,2270)	1:420:A:ASP:H	1:423:A:GLN:HE21	6	0.15	0.02	0.15
(1,167)	1:468:A:GLY:HA2	1:476:A:LEU:HB2	6	0.15	0.05	0.15
(1,167)	1:468:A:GLY:HA2	1:476:A:LEU:HB3	6	0.15	0.05	0.15
(1,720)	1:471:A:ILE:HB	1:474:A:LYS:H	6	0.14	0.02	0.13
(1,1529)	1:399:A:LYS:HA	1:399:A:LYS:HD2	6	0.13	0.02	0.13
(1,1529)	1:399:A:LYS:HA	1:399:A:LYS:HD3	6	0.13	0.02	0.13
(1,2200)	1:431:A:VAL:HA	1:433:A:SER:H	6	0.13	0.04	0.12
(1,1813)	1:469:A:PHE:H	1:469:A:PHE:HD1	6	0.13	0.0	0.13
(1,1813)	1:469:A:PHE:H	1:469:A:PHE:HD2	6	0.13	0.0	0.13
(1,831)	1:443:A:ASN:H	1:443:A:ASN:HB2	6	0.12	0.02	0.12
(1,398)	1:463:A:ILE:HA	1:467:A:ASN:HD22	6	0.12	0.01	0.12
(1,2426)	1:453:A:TYR:HA	1:453:A:TYR:HE1	6	0.12	0.03	0.11
(1,2426)	1:453:A:TYR:HA	1:453:A:TYR:HE2	6	0.12	0.03	0.11
(1,728)	1:431:A:VAL:HA	1:432:A:ILE:HA	6	0.12	0.02	0.11
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD11	6	0.12	0.01	0.12
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD12	6	0.12	0.01	0.12
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD13	6	0.12	0.01	0.12
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD21	6	0.12	0.01	0.12
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD22	6	0.12	0.01	0.12
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD23	6	0.12	0.01	0.12
(1,2407)	1:428:A:PHE:HA	1:428:A:PHE:HD1	6	0.11	0.01	0.12
(1,2407)	1:428:A:PHE:HA	1:428:A:PHE:HD2	6	0.11	0.01	0.12
(1,754)	1:402:A:PRO:HA	1:403:A:GLU:HA	6	0.11	0.01	0.11
(1,2127)	1:423:A:GLN:H	1:423:A:GLN:HG2	5	1.33	0.13	1.37
(1,1683)	1:482:A:ARG:H	1:482:A:ARG:HG2	5	1.2	0.79	1.36
(1,1683)	1:482:A:ARG:H	1:482:A:ARG:HG3	5	1.2	0.79	1.36
(1,506)	1:477:A:LYS:HE2	1:479:A:GLN:HA	5	0.54	0.51	0.15
(1,506)	1:477:A:LYS:HE3	1:479:A:GLN:HA	5	0.54	0.51	0.15
(1,1301)	1:472:A:GLY:HA2	1:473:A:MET:HG3	5	0.51	0.04	0.52
(1,827)	1:407:A:LEU:HD11	1:478:A:VAL:HA	5	0.44	0.19	0.33
(1,827)	1:407:A:LEU:HD12	1:478:A:VAL:HA	5	0.44	0.19	0.33

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,827)	1:407:A:LEU:HD13	1:478:A:VAL:HA	5	0.44	0.19	0.33
(1,827)	1:407:A:LEU:HD21	1:478:A:VAL:HA	5	0.44	0.19	0.33
(1,827)	1:407:A:LEU:HD22	1:478:A:VAL:HA	5	0.44	0.19	0.33
(1,827)	1:407:A:LEU:HD23	1:478:A:VAL:HA	5	0.44	0.19	0.33
(1,2289)	1:456:A:PRO:HB2	1:460:A:GLN:HE21	5	0.42	0.25	0.31
(1,826)	1:407:A:LEU:HB3	1:478:A:VAL:HA	5	0.41	0.2	0.49
(1,1058)	1:486:A:ASP:HB2	1:487:A:SER:HA	5	0.41	0.39	0.21
(1,1123)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	5	0.32	0.01	0.33
(1,1123)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	5	0.32	0.01	0.33
(1,1251)	1:446:A:LYS:HB2	1:448:A:PHE:HD1	5	0.31	0.21	0.21
(1,1251)	1:446:A:LYS:HB2	1:448:A:PHE:HD2	5	0.31	0.21	0.21
(1,1251)	1:446:A:LYS:HB3	1:448:A:PHE:HD1	5	0.31	0.21	0.21
(1,1251)	1:446:A:LYS:HB3	1:448:A:PHE:HD2	5	0.31	0.21	0.21
(1,1077)	1:441:A:GLN:HA	1:441:A:GLN:HG3	5	0.31	0.02	0.31
(1,500)	1:440:A:LYS:HE2	1:441:A:GLN:HG2	5	0.26	0.05	0.27
(1,500)	1:440:A:LYS:HE3	1:441:A:GLN:HG2	5	0.26	0.05	0.27
(1,1772)	1:444:A:LEU:HD11	1:446:A:LYS:H	5	0.25	0.1	0.19
(1,1772)	1:444:A:LEU:HD12	1:446:A:LYS:H	5	0.25	0.1	0.19
(1,1772)	1:444:A:LEU:HD13	1:446:A:LYS:H	5	0.25	0.1	0.19
(1,1772)	1:444:A:LEU:HD21	1:446:A:LYS:H	5	0.25	0.1	0.19
(1,1772)	1:444:A:LEU:HD22	1:446:A:LYS:H	5	0.25	0.1	0.19
(1,1772)	1:444:A:LEU:HD23	1:446:A:LYS:H	5	0.25	0.1	0.19
(1,1240)	1:469:A:PHE:HD1	1:470:A:GLN:HA	5	0.24	0.07	0.25
(1,1240)	1:469:A:PHE:HD2	1:470:A:GLN:HA	5	0.24	0.07	0.25
(1,1965)	1:405:A:ALA:H	1:406:A:ASN:HB3	5	0.23	0.11	0.2
(1,532)	1:455:A:ASN:HB2	1:457:A:VAL:HB	5	0.22	0.12	0.19
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	5	0.21	0.07	0.2
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	5	0.21	0.07	0.2
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	5	0.21	0.07	0.2
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	5	0.21	0.07	0.2
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	5	0.21	0.07	0.2
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	5	0.21	0.07	0.2
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	5	0.21	0.07	0.2
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	5	0.21	0.07	0.2
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	5	0.21	0.07	0.2
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	5	0.21	0.07	0.2
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	5	0.21	0.07	0.2
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	5	0.21	0.07	0.2
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	5	0.21	0.07	0.2
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	5	0.21	0.07	0.2
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	5	0.21	0.07	0.2
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	5	0.21	0.07	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	5	0.21	0.07	0.2
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	5	0.21	0.07	0.2
(1,2415)	1:416:A:PHE:HD1	1:421:A:ILE:HG12	5	0.19	0.05	0.16
(1,2415)	1:416:A:PHE:HD2	1:421:A:ILE:HG12	5	0.19	0.05	0.16
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG11	5	0.18	0.07	0.17
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG12	5	0.18	0.07	0.17
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG13	5	0.18	0.07	0.17
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD11	5	0.18	0.09	0.14
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD12	5	0.18	0.09	0.14
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD13	5	0.18	0.09	0.14
(1,61)	1:480:A:LEU:HB2	1:480:A:LEU:HG	5	0.18	0.11	0.14
(1,61)	1:480:A:LEU:HB3	1:480:A:LEU:HG	5	0.18	0.11	0.14
(1,1937)	1:409:A:ILE:H	1:450:A:PHE:HA	5	0.18	0.04	0.18
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	5	0.17	0.02	0.17
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	5	0.17	0.02	0.17
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	5	0.17	0.02	0.17
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	5	0.17	0.02	0.17
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	5	0.17	0.02	0.17
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	5	0.17	0.02	0.17
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	5	0.17	0.02	0.17
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	5	0.17	0.02	0.17
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	5	0.17	0.02	0.17
(1,876)	1:433:A:SER:H	1:451:A:VAL:HA	5	0.17	0.05	0.15
(1,1509)	1:441:A:GLN:HB2	1:443:A:ASN:H	5	0.17	0.04	0.17
(1,445)	1:431:A:VAL:HG21	1:433:A:SER:HB3	5	0.17	0.05	0.16
(1,445)	1:431:A:VAL:HG22	1:433:A:SER:HB3	5	0.17	0.05	0.16
(1,445)	1:431:A:VAL:HG23	1:433:A:SER:HB3	5	0.17	0.05	0.16
(1,1522)	1:410:A:TYR:HD1	1:477:A:LYS:HD2	5	0.17	0.04	0.15
(1,1522)	1:410:A:TYR:HD1	1:477:A:LYS:HD3	5	0.17	0.04	0.15
(1,1522)	1:410:A:TYR:HD2	1:477:A:LYS:HD2	5	0.17	0.04	0.15
(1,1522)	1:410:A:TYR:HD2	1:477:A:LYS:HD3	5	0.17	0.04	0.15
(1,2210)	1:430:A:ASN:HD21	1:431:A:VAL:H	5	0.17	0.02	0.15
(1,2338)	1:409:A:ILE:HG21	1:410:A:TYR:HD1	5	0.16	0.01	0.16
(1,2338)	1:409:A:ILE:HG21	1:410:A:TYR:HD2	5	0.16	0.01	0.16
(1,2338)	1:409:A:ILE:HG22	1:410:A:TYR:HD1	5	0.16	0.01	0.16
(1,2338)	1:409:A:ILE:HG22	1:410:A:TYR:HD2	5	0.16	0.01	0.16
(1,2338)	1:409:A:ILE:HG23	1:410:A:TYR:HD1	5	0.16	0.01	0.16
(1,2338)	1:409:A:ILE:HG23	1:410:A:TYR:HD2	5	0.16	0.01	0.16
(1,1695)	1:402:A:PRO:HG3	1:405:A:ALA:H	5	0.16	0.06	0.15
(1,1768)	1:414:A:GLN:H	1:474:A:LYS:HD2	5	0.16	0.04	0.18
(1,1768)	1:414:A:GLN:H	1:474:A:LYS:HD3	5	0.16	0.04	0.18
(1,915)	1:421:A:ILE:HD11	1:449:A:GLY:H	5	0.16	0.03	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,915)	1:421:A:ILE:HD12	1:449:A:GLY:H	5	0.16	0.03	0.16
(1,915)	1:421:A:ILE:HD13	1:449:A:GLY:H	5	0.16	0.03	0.16
(1,1689)	1:432:A:ILE:HG12	1:452:A:SER:HB3	5	0.16	0.08	0.12
(1,1689)	1:432:A:ILE:HG13	1:452:A:SER:HB3	5	0.16	0.08	0.12
(1,1891)	1:428:A:PHE:HB3	1:462:A:ALA:H	5	0.16	0.04	0.15
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD11	5	0.15	0.04	0.14
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD12	5	0.15	0.04	0.14
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD13	5	0.15	0.04	0.14
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD21	5	0.15	0.04	0.14
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD22	5	0.15	0.04	0.14
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD23	5	0.15	0.04	0.14
(1,1493)	1:406:A:ASN:HA	1:453:A:TYR:H	5	0.15	0.04	0.14
(1,1178)	1:399:A:LYS:H	1:399:A:LYS:HB2	5	0.15	0.04	0.13
(1,1178)	1:399:A:LYS:H	1:399:A:LYS:HB3	5	0.15	0.04	0.13
(1,2351)	1:424:A:MET:HB2	1:425:A:PHE:HD1	5	0.15	0.06	0.12
(1,2351)	1:424:A:MET:HB2	1:425:A:PHE:HD2	5	0.15	0.06	0.12
(1,2351)	1:424:A:MET:HB3	1:425:A:PHE:HD1	5	0.15	0.06	0.12
(1,2351)	1:424:A:MET:HB3	1:425:A:PHE:HD2	5	0.15	0.06	0.12
(1,1976)	1:474:A:LYS:HB3	1:475:A:ARG:H	5	0.14	0.02	0.15
(1,347)	1:405:A:ALA:HB1	1:456:A:PRO:HA	5	0.14	0.02	0.15
(1,347)	1:405:A:ALA:HB2	1:456:A:PRO:HA	5	0.14	0.02	0.15
(1,347)	1:405:A:ALA:HB3	1:456:A:PRO:HA	5	0.14	0.02	0.15
(1,2040)	1:443:A:ASN:H	1:444:A:LEU:H	5	0.14	0.03	0.13
(1,1508)	1:441:A:GLN:H	1:441:A:GLN:HB2	5	0.14	0.02	0.14
(1,1145)	1:484:A:LYS:HA	1:485:A:ASN:HB3	5	0.14	0.04	0.13
(1,712)	1:430:A:ASN:H	1:458:A:SER:HB2	5	0.14	0.03	0.13
(1,1423)	1:462:A:ALA:HA	1:466:A:MET:HB2	5	0.13	0.03	0.12
(1,1423)	1:462:A:ALA:HA	1:466:A:MET:HB3	5	0.13	0.03	0.12
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD11	5	0.13	0.01	0.12
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD12	5	0.13	0.01	0.12
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD13	5	0.13	0.01	0.12
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD21	5	0.13	0.01	0.12
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD22	5	0.13	0.01	0.12
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD23	5	0.13	0.01	0.12
(1,1642)	1:405:A:ALA:HA	1:456:A:PRO:HG2	5	0.13	0.02	0.12
(1,1642)	1:405:A:ALA:HA	1:456:A:PRO:HG3	5	0.13	0.02	0.12
(1,637)	1:420:A:ASP:HB3	1:423:A:GLN:HE22	5	0.13	0.0	0.13
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG21	5	0.12	0.02	0.13
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG22	5	0.12	0.02	0.13
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG23	5	0.12	0.02	0.13
(1,1899)	1:417:A:GLY:HA2	1:418:A:ASP:H	5	0.12	0.01	0.13
(1,2072)	1:441:A:GLN:H	1:443:A:ASN:H	5	0.12	0.02	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,365)	1:409:A:ILE:HG21	1:425:A:PHE:HD1	5	0.12	0.03	0.11
(1,365)	1:409:A:ILE:HG21	1:425:A:PHE:HD2	5	0.12	0.03	0.11
(1,365)	1:409:A:ILE:HG22	1:425:A:PHE:HD1	5	0.12	0.03	0.11
(1,365)	1:409:A:ILE:HG22	1:425:A:PHE:HD2	5	0.12	0.03	0.11
(1,365)	1:409:A:ILE:HG23	1:425:A:PHE:HD1	5	0.12	0.03	0.11
(1,365)	1:409:A:ILE:HG23	1:425:A:PHE:HD2	5	0.12	0.03	0.11
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD11	5	0.12	0.01	0.12
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD12	5	0.12	0.01	0.12
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD13	5	0.12	0.01	0.12
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD21	5	0.12	0.01	0.12
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD22	5	0.12	0.01	0.12
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD23	5	0.12	0.01	0.12
(1,1696)	1:422:A:LEU:HG	1:426:A:MET:HB2	5	0.12	0.02	0.12
(1,1696)	1:422:A:LEU:HG	1:426:A:MET:HB3	5	0.12	0.02	0.12
(1,1941)	1:457:A:VAL:H	1:459:A:ALA:H	5	0.12	0.01	0.12
(1,2232)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	5	0.12	0.02	0.11
(1,1370)	1:442:A:THR:H	1:443:A:ASN:HA	5	0.12	0.0	0.12
(1,1225)	1:436:A:VAL:HB	1:437:A:PHE:HD1	5	0.11	0.01	0.11
(1,1225)	1:436:A:VAL:HB	1:437:A:PHE:HD2	5	0.11	0.01	0.11
(1,1307)	1:473:A:MET:HG3	1:474:A:LYS:HG3	4	1.25	0.3	1.25
(1,791)	1:484:A:LYS:HG2	1:485:A:ASN:HB2	4	1.16	1.07	0.98
(1,791)	1:484:A:LYS:HG3	1:485:A:ASN:HB2	4	1.16	1.07	0.98
(1,2110)	1:418:A:ASP:HB2	1:419:A:GLN:H	4	0.86	0.07	0.88
(1,158)	1:407:A:LEU:HB3	1:451:A:VAL:H	4	0.84	0.39	0.99
(1,51)	1:407:A:LEU:HD11	1:463:A:ILE:H	4	0.55	0.26	0.64
(1,51)	1:407:A:LEU:HD12	1:463:A:ILE:H	4	0.55	0.26	0.64
(1,51)	1:407:A:LEU:HD13	1:463:A:ILE:H	4	0.55	0.26	0.64
(1,51)	1:407:A:LEU:HD21	1:463:A:ILE:H	4	0.55	0.26	0.64
(1,51)	1:407:A:LEU:HD22	1:463:A:ILE:H	4	0.55	0.26	0.64
(1,51)	1:407:A:LEU:HD23	1:463:A:ILE:H	4	0.55	0.26	0.64
(1,882)	1:463:A:ILE:H	1:463:A:ILE:HD11	4	0.46	0.54	0.16
(1,882)	1:463:A:ILE:H	1:463:A:ILE:HD12	4	0.46	0.54	0.16
(1,882)	1:463:A:ILE:H	1:463:A:ILE:HD13	4	0.46	0.54	0.16
(1,12)	1:407:A:LEU:HG	1:453:A:TYR:HD1	4	0.46	0.26	0.45
(1,12)	1:407:A:LEU:HG	1:453:A:TYR:HD2	4	0.46	0.26	0.45
(1,501)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	4	0.4	0.43	0.16
(1,501)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	4	0.4	0.43	0.16
(1,41)	1:407:A:LEU:HD11	1:452:A:SER:H	4	0.39	0.16	0.33
(1,41)	1:407:A:LEU:HD12	1:452:A:SER:H	4	0.39	0.16	0.33
(1,41)	1:407:A:LEU:HD13	1:452:A:SER:H	4	0.39	0.16	0.33
(1,41)	1:407:A:LEU:HD21	1:452:A:SER:H	4	0.39	0.16	0.33
(1,41)	1:407:A:LEU:HD22	1:452:A:SER:H	4	0.39	0.16	0.33

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,41)	1:407:A:LEU:HD23	1:452:A:SER:H	4	0.39	0.16	0.33
(1,1483)	1:481:A:LYS:H	1:481:A:LYS:HD2	4	0.35	0.29	0.23
(1,931)	1:399:A:LYS:HA	1:400:A:GLU:HG2	4	0.28	0.04	0.3
(1,417)	1:407:A:LEU:HD11	1:453:A:TYR:HB3	4	0.28	0.11	0.3
(1,417)	1:407:A:LEU:HD12	1:453:A:TYR:HB3	4	0.28	0.11	0.3
(1,417)	1:407:A:LEU:HD13	1:453:A:TYR:HB3	4	0.28	0.11	0.3
(1,417)	1:407:A:LEU:HD21	1:453:A:TYR:HB3	4	0.28	0.11	0.3
(1,417)	1:407:A:LEU:HD22	1:453:A:TYR:HB3	4	0.28	0.11	0.3
(1,417)	1:407:A:LEU:HD23	1:453:A:TYR:HB3	4	0.28	0.11	0.3
(1,926)	1:400:A:GLU:HG2	1:452:A:SER:HB2	4	0.24	0.13	0.2
(1,1159)	1:398:A:GLN:HG3	1:433:A:SER:HB2	4	0.24	0.1	0.2
(1,308)	1:449:A:GLY:HA3	1:450:A:PHE:HB3	4	0.22	0.03	0.23
(1,1836)	1:407:A:LEU:H	1:407:A:LEU:HB3	4	0.22	0.09	0.2
(1,1241)	1:456:A:PRO:HB3	1:460:A:GLN:HG2	4	0.21	0.08	0.21
(1,1241)	1:456:A:PRO:HB3	1:460:A:GLN:HG3	4	0.21	0.08	0.21
(1,435)	1:433:A:SER:HB3	1:450:A:PHE:HD1	4	0.2	0.1	0.18
(1,435)	1:433:A:SER:HB3	1:450:A:PHE:HD2	4	0.2	0.1	0.18
(1,1028)	1:483:A:SER:HA	1:484:A:LYS:HG2	4	0.2	0.05	0.19
(1,1028)	1:483:A:SER:HA	1:484:A:LYS:HG3	4	0.2	0.05	0.19
(1,1155)	1:418:A:ASP:H	1:419:A:GLN:HG2	4	0.2	0.06	0.2
(1,1155)	1:418:A:ASP:H	1:419:A:GLN:HG3	4	0.2	0.06	0.2
(1,661)	1:417:A:GLY:HA3	1:418:A:ASP:HB3	4	0.2	0.02	0.2
(1,865)	1:430:A:ASN:HB2	1:454:A:ASP:HB2	4	0.18	0.06	0.16
(1,865)	1:430:A:ASN:HB3	1:454:A:ASP:HB2	4	0.18	0.06	0.16
(1,1321)	1:431:A:VAL:HB	1:433:A:SER:H	4	0.18	0.05	0.16
(1,928)	1:400:A:GLU:HG2	1:401:A:GLY:H	4	0.18	0.06	0.18
(1,2168)	1:455:A:ASN:HD21	1:457:A:VAL:H	4	0.18	0.11	0.12
(1,1183)	1:446:A:LYS:HA	1:448:A:PHE:HE1	4	0.18	0.04	0.16
(1,1183)	1:446:A:LYS:HA	1:448:A:PHE:HE2	4	0.18	0.04	0.16
(1,884)	1:407:A:LEU:HA	1:463:A:ILE:HD11	4	0.17	0.06	0.16
(1,884)	1:407:A:LEU:HA	1:463:A:ILE:HD12	4	0.17	0.06	0.16
(1,884)	1:407:A:LEU:HA	1:463:A:ILE:HD13	4	0.17	0.06	0.16
(1,22)	1:400:A:GLU:HB2	1:402:A:PRO:HD2	4	0.17	0.05	0.17
(1,1944)	1:456:A:PRO:HD2	1:457:A:VAL:H	4	0.17	0.02	0.18
(1,2069)	1:417:A:GLY:H	1:420:A:ASP:H	4	0.16	0.03	0.18
(1,2104)	1:418:A:ASP:HA	1:421:A:ILE:H	4	0.16	0.05	0.16
(1,185)	1:421:A:ILE:HG12	1:436:A:VAL:HG21	4	0.16	0.03	0.16
(1,185)	1:421:A:ILE:HG12	1:436:A:VAL:HG22	4	0.16	0.03	0.16
(1,185)	1:421:A:ILE:HG12	1:436:A:VAL:HG23	4	0.16	0.03	0.16
(1,605)	1:408:A:PHE:HA	1:409:A:ILE:HB	4	0.16	0.05	0.14
(1,116)	1:422:A:LEU:HD11	1:451:A:VAL:HG11	4	0.16	0.05	0.16
(1,116)	1:422:A:LEU:HD11	1:451:A:VAL:HG12	4	0.16	0.05	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,116)	1:422:A:LEU:HD11	1:451:A:VAL:HG13	4	0.16	0.05	0.16
(1,116)	1:422:A:LEU:HD12	1:451:A:VAL:HG11	4	0.16	0.05	0.16
(1,116)	1:422:A:LEU:HD12	1:451:A:VAL:HG12	4	0.16	0.05	0.16
(1,116)	1:422:A:LEU:HD12	1:451:A:VAL:HG13	4	0.16	0.05	0.16
(1,116)	1:422:A:LEU:HD13	1:451:A:VAL:HG11	4	0.16	0.05	0.16
(1,116)	1:422:A:LEU:HD13	1:451:A:VAL:HG12	4	0.16	0.05	0.16
(1,116)	1:422:A:LEU:HD13	1:451:A:VAL:HG13	4	0.16	0.05	0.16
(1,116)	1:422:A:LEU:HD21	1:451:A:VAL:HG11	4	0.16	0.05	0.16
(1,116)	1:422:A:LEU:HD21	1:451:A:VAL:HG12	4	0.16	0.05	0.16
(1,116)	1:422:A:LEU:HD21	1:451:A:VAL:HG13	4	0.16	0.05	0.16
(1,116)	1:422:A:LEU:HD22	1:451:A:VAL:HG11	4	0.16	0.05	0.16
(1,116)	1:422:A:LEU:HD22	1:451:A:VAL:HG12	4	0.16	0.05	0.16
(1,116)	1:422:A:LEU:HD22	1:451:A:VAL:HG13	4	0.16	0.05	0.16
(1,116)	1:422:A:LEU:HD23	1:451:A:VAL:HG11	4	0.16	0.05	0.16
(1,116)	1:422:A:LEU:HD23	1:451:A:VAL:HG12	4	0.16	0.05	0.16
(1,116)	1:422:A:LEU:HD23	1:451:A:VAL:HG13	4	0.16	0.05	0.16
(1,631)	1:444:A:LEU:HD11	1:445:A:SER:HB2	4	0.16	0.04	0.15
(1,631)	1:444:A:LEU:HD12	1:445:A:SER:HB2	4	0.16	0.04	0.15
(1,631)	1:444:A:LEU:HD13	1:445:A:SER:HB2	4	0.16	0.04	0.15
(1,631)	1:444:A:LEU:HD21	1:445:A:SER:HB2	4	0.16	0.04	0.15
(1,631)	1:444:A:LEU:HD22	1:445:A:SER:HB2	4	0.16	0.04	0.15
(1,631)	1:444:A:LEU:HD23	1:445:A:SER:HB2	4	0.16	0.04	0.15
(1,1041)	1:440:A:LYS:HA	1:442:A:THR:H	4	0.15	0.02	0.16
(1,905)	1:416:A:PHE:HD1	1:421:A:ILE:HD11	4	0.15	0.04	0.15
(1,905)	1:416:A:PHE:HD1	1:421:A:ILE:HD12	4	0.15	0.04	0.15
(1,905)	1:416:A:PHE:HD1	1:421:A:ILE:HD13	4	0.15	0.04	0.15
(1,905)	1:416:A:PHE:HD2	1:421:A:ILE:HD11	4	0.15	0.04	0.15
(1,905)	1:416:A:PHE:HD2	1:421:A:ILE:HD12	4	0.15	0.04	0.15
(1,905)	1:416:A:PHE:HD2	1:421:A:ILE:HD13	4	0.15	0.04	0.15
(1,2038)	1:439:A:ASP:HB3	1:444:A:LEU:H	4	0.15	0.05	0.14
(1,438)	1:433:A:SER:HB3	1:434:A:ALA:H	4	0.15	0.02	0.15
(1,1810)	1:466:A:MET:HG2	1:469:A:PHE:H	4	0.15	0.02	0.14
(1,1810)	1:466:A:MET:HG3	1:469:A:PHE:H	4	0.15	0.02	0.14
(1,382)	1:475:A:ARG:HD2	1:476:A:LEU:H	4	0.14	0.02	0.15
(1,987)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	4	0.14	0.02	0.15
(1,987)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	4	0.14	0.02	0.15
(1,987)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	4	0.14	0.02	0.15
(1,636)	1:432:A:ILE:HG21	1:453:A:TYR:HA	4	0.14	0.04	0.12
(1,636)	1:432:A:ILE:HG22	1:453:A:TYR:HA	4	0.14	0.04	0.12
(1,636)	1:432:A:ILE:HG23	1:453:A:TYR:HA	4	0.14	0.04	0.12
(1,323)	1:442:A:THR:HB	1:444:A:LEU:HB2	4	0.14	0.02	0.12
(1,543)	1:419:A:GLN:H	1:422:A:LEU:HB2	4	0.14	0.01	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,829)	1:440:A:LYS:HA	1:443:A:ASN:HB3	4	0.14	0.02	0.14
(1,1079)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	4	0.14	0.01	0.14
(1,1281)	1:398:A:GLN:HA	1:433:A:SER:HA	4	0.14	0.04	0.12
(1,548)	1:421:A:ILE:HA	1:424:A:MET:HB2	4	0.13	0.02	0.12
(1,548)	1:421:A:ILE:HA	1:424:A:MET:HB3	4	0.13	0.02	0.12
(1,787)	1:428:A:PHE:HB3	1:458:A:SER:HB3	4	0.13	0.01	0.14
(1,820)	1:463:A:ILE:HB	1:464:A:GLN:HE22	4	0.13	0.01	0.14
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD11	4	0.13	0.02	0.13
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD12	4	0.13	0.02	0.13
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD13	4	0.13	0.02	0.13
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD21	4	0.13	0.02	0.13
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD22	4	0.13	0.02	0.13
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD23	4	0.13	0.02	0.13
(1,2281)	1:463:A:ILE:H	1:464:A:GLN:HE21	4	0.13	0.02	0.14
(1,40)	1:409:A:ILE:HD11	1:476:A:LEU:HG	4	0.13	0.02	0.13
(1,40)	1:409:A:ILE:HD12	1:476:A:LEU:HG	4	0.13	0.02	0.13
(1,40)	1:409:A:ILE:HD13	1:476:A:LEU:HG	4	0.13	0.02	0.13
(1,2109)	1:419:A:GLN:H	1:420:A:ASP:H	4	0.12	0.02	0.12
(1,1134)	1:483:A:SER:H	1:484:A:LYS:HA	4	0.12	0.01	0.12
(1,433)	1:432:A:ILE:H	1:433:A:SER:HB3	4	0.12	0.02	0.11
(1,1169)	1:398:A:GLN:HG2	1:399:A:LYS:H	3	1.3	0.81	1.77
(1,159)	1:407:A:LEU:HB2	1:425:A:PHE:HD1	3	1.13	0.12	1.17
(1,159)	1:407:A:LEU:HB2	1:425:A:PHE:HD2	3	1.13	0.12	1.17
(1,370)	1:407:A:LEU:HD11	1:452:A:SER:HB2	3	0.72	0.26	0.61
(1,370)	1:407:A:LEU:HD12	1:452:A:SER:HB2	3	0.72	0.26	0.61
(1,370)	1:407:A:LEU:HD13	1:452:A:SER:HB2	3	0.72	0.26	0.61
(1,370)	1:407:A:LEU:HD21	1:452:A:SER:HB2	3	0.72	0.26	0.61
(1,370)	1:407:A:LEU:HD22	1:452:A:SER:HB2	3	0.72	0.26	0.61
(1,370)	1:407:A:LEU:HD23	1:452:A:SER:HB2	3	0.72	0.26	0.61
(1,42)	1:407:A:LEU:HD11	1:460:A:GLN:HA	3	0.69	0.38	0.5
(1,42)	1:407:A:LEU:HD12	1:460:A:GLN:HA	3	0.69	0.38	0.5
(1,42)	1:407:A:LEU:HD13	1:460:A:GLN:HA	3	0.69	0.38	0.5
(1,42)	1:407:A:LEU:HD21	1:460:A:GLN:HA	3	0.69	0.38	0.5
(1,42)	1:407:A:LEU:HD22	1:460:A:GLN:HA	3	0.69	0.38	0.5
(1,42)	1:407:A:LEU:HD23	1:460:A:GLN:HA	3	0.69	0.38	0.5
(1,1413)	1:400:A:GLU:HB2	1:406:A:ASN:HD22	3	0.6	0.26	0.76
(1,48)	1:407:A:LEU:HD11	1:479:A:GLN:HA	3	0.44	0.02	0.43
(1,48)	1:407:A:LEU:HD12	1:479:A:GLN:HA	3	0.44	0.02	0.43
(1,48)	1:407:A:LEU:HD13	1:479:A:GLN:HA	3	0.44	0.02	0.43
(1,48)	1:407:A:LEU:HD21	1:479:A:GLN:HA	3	0.44	0.02	0.43
(1,48)	1:407:A:LEU:HD22	1:479:A:GLN:HA	3	0.44	0.02	0.43
(1,48)	1:407:A:LEU:HD23	1:479:A:GLN:HA	3	0.44	0.02	0.43

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1978)	1:474:A:LYS:HD2	1:475:A:ARG:H	3	0.37	0.27	0.19
(1,1978)	1:474:A:LYS:HD3	1:475:A:ARG:H	3	0.37	0.27	0.19
(1,82)	1:483:A:SER:HB2	1:484:A:LYS:HG2	3	0.37	0.28	0.18
(1,82)	1:483:A:SER:HB2	1:484:A:LYS:HG3	3	0.37	0.28	0.18
(1,82)	1:483:A:SER:HB3	1:484:A:LYS:HG2	3	0.37	0.28	0.18
(1,82)	1:483:A:SER:HB3	1:484:A:LYS:HG3	3	0.37	0.28	0.18
(1,50)	1:407:A:LEU:HD11	1:408:A:PHE:H	3	0.28	0.07	0.31
(1,50)	1:407:A:LEU:HD12	1:408:A:PHE:H	3	0.28	0.07	0.31
(1,50)	1:407:A:LEU:HD13	1:408:A:PHE:H	3	0.28	0.07	0.31
(1,50)	1:407:A:LEU:HD21	1:408:A:PHE:H	3	0.28	0.07	0.31
(1,50)	1:407:A:LEU:HD22	1:408:A:PHE:H	3	0.28	0.07	0.31
(1,50)	1:407:A:LEU:HD23	1:408:A:PHE:H	3	0.28	0.07	0.31
(1,649)	1:463:A:ILE:HG21	1:464:A:GLN:HG2	3	0.28	0.04	0.3
(1,649)	1:463:A:ILE:HG21	1:464:A:GLN:HG3	3	0.28	0.04	0.3
(1,649)	1:463:A:ILE:HG22	1:464:A:GLN:HG2	3	0.28	0.04	0.3
(1,649)	1:463:A:ILE:HG22	1:464:A:GLN:HG3	3	0.28	0.04	0.3
(1,649)	1:463:A:ILE:HG23	1:464:A:GLN:HG2	3	0.28	0.04	0.3
(1,649)	1:463:A:ILE:HG23	1:464:A:GLN:HG3	3	0.28	0.04	0.3
(1,1764)	1:437:A:PHE:H	1:449:A:GLY:HA3	3	0.26	0.04	0.25
(1,1857)	1:461:A:ALA:H	1:463:A:ILE:HG12	3	0.25	0.17	0.14
(1,1857)	1:461:A:ALA:H	1:463:A:ILE:HG13	3	0.25	0.17	0.14
(1,10)	1:407:A:LEU:H	1:407:A:LEU:HG	3	0.22	0.09	0.21
(1,1895)	1:407:A:LEU:HD11	1:462:A:ALA:H	3	0.22	0.04	0.25
(1,1895)	1:407:A:LEU:HD12	1:462:A:ALA:H	3	0.22	0.04	0.25
(1,1895)	1:407:A:LEU:HD13	1:462:A:ALA:H	3	0.22	0.04	0.25
(1,1895)	1:407:A:LEU:HD21	1:462:A:ALA:H	3	0.22	0.04	0.25
(1,1895)	1:407:A:LEU:HD22	1:462:A:ALA:H	3	0.22	0.04	0.25
(1,1895)	1:407:A:LEU:HD23	1:462:A:ALA:H	3	0.22	0.04	0.25
(1,2251)	1:425:A:PHE:H	1:425:A:PHE:HD1	3	0.22	0.03	0.24
(1,2251)	1:425:A:PHE:H	1:425:A:PHE:HD2	3	0.22	0.03	0.24
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD11	3	0.21	0.08	0.25
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD12	3	0.21	0.08	0.25
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD13	3	0.21	0.08	0.25
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD21	3	0.21	0.08	0.25
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD22	3	0.21	0.08	0.25
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD23	3	0.21	0.08	0.25
(1,8)	1:407:A:LEU:HG	1:478:A:VAL:HG11	3	0.21	0.02	0.21
(1,8)	1:407:A:LEU:HG	1:478:A:VAL:HG12	3	0.21	0.02	0.21
(1,8)	1:407:A:LEU:HG	1:478:A:VAL:HG13	3	0.21	0.02	0.21
(1,1248)	1:483:A:SER:HB2	1:484:A:LYS:HB2	3	0.2	0.11	0.15
(1,1248)	1:483:A:SER:HB3	1:484:A:LYS:HB2	3	0.2	0.11	0.15
(1,1121)	1:420:A:ASP:HA	1:423:A:GLN:HG3	3	0.2	0.05	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,664)	1:419:A:GLN:HB2	1:420:A:ASP:HB3	3	0.19	0.05	0.18
(1,1902)	1:418:A:ASP:H	1:436:A:VAL:HB	3	0.19	0.05	0.16
(1,2169)	1:455:A:ASN:HD21	1:458:A:SER:H	3	0.19	0.01	0.19
(1,272)	1:418:A:ASP:H	1:434:A:ALA:HB1	3	0.18	0.05	0.16
(1,272)	1:418:A:ASP:H	1:434:A:ALA:HB2	3	0.18	0.05	0.16
(1,272)	1:418:A:ASP:H	1:434:A:ALA:HB3	3	0.18	0.05	0.16
(1,1031)	1:403:A:GLU:HA	1:406:A:ASN:HD22	3	0.18	0.05	0.19
(1,1433)	1:464:A:GLN:HG2	1:465:A:ALA:HA	3	0.18	0.06	0.18
(1,1433)	1:464:A:GLN:HG3	1:465:A:ALA:HA	3	0.18	0.06	0.18
(1,769)	1:409:A:ILE:HD11	1:450:A:PHE:H	3	0.18	0.05	0.17
(1,769)	1:409:A:ILE:HD12	1:450:A:PHE:H	3	0.18	0.05	0.17
(1,769)	1:409:A:ILE:HD13	1:450:A:PHE:H	3	0.18	0.05	0.17
(1,1271)	1:404:A:GLY:HA2	1:456:A:PRO:HB2	3	0.18	0.05	0.16
(1,480)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	3	0.17	0.07	0.13
(1,480)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	3	0.17	0.07	0.13
(1,480)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	3	0.17	0.07	0.13
(1,480)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	3	0.17	0.07	0.13
(1,480)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	3	0.17	0.07	0.13
(1,480)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	3	0.17	0.07	0.13
(1,2225)	1:431:A:VAL:HA	1:454:A:ASP:H	3	0.17	0.03	0.19
(1,1018)	1:464:A:GLN:HA	1:467:A:ASN:HB3	3	0.17	0.04	0.18
(1,174)	1:425:A:PHE:HD1	1:431:A:VAL:HG11	3	0.16	0.03	0.15
(1,174)	1:425:A:PHE:HD1	1:431:A:VAL:HG12	3	0.16	0.03	0.15
(1,174)	1:425:A:PHE:HD1	1:431:A:VAL:HG13	3	0.16	0.03	0.15
(1,174)	1:425:A:PHE:HD2	1:431:A:VAL:HG11	3	0.16	0.03	0.15
(1,174)	1:425:A:PHE:HD2	1:431:A:VAL:HG12	3	0.16	0.03	0.15
(1,174)	1:425:A:PHE:HD2	1:431:A:VAL:HG13	3	0.16	0.03	0.15
(1,1261)	1:400:A:GLU:HA	1:452:A:SER:HB3	3	0.16	0.04	0.18
(1,390)	1:417:A:GLY:HA2	1:420:A:ASP:HB3	3	0.16	0.02	0.16
(1,811)	1:428:A:PHE:HB2	1:458:A:SER:HA	3	0.16	0.03	0.15
(1,981)	1:432:A:ILE:HD11	1:452:A:SER:HB2	3	0.16	0.02	0.17
(1,981)	1:432:A:ILE:HD12	1:452:A:SER:HB2	3	0.16	0.02	0.17
(1,981)	1:432:A:ILE:HD13	1:452:A:SER:HB2	3	0.16	0.02	0.17
(1,1180)	1:480:A:LEU:HA	1:481:A:LYS:HB3	3	0.16	0.06	0.12
(1,2170)	1:455:A:ASN:HD21	1:458:A:SER:HB3	3	0.16	0.02	0.16
(1,2403)	1:416:A:PHE:HE1	1:425:A:PHE:HE1	3	0.16	0.02	0.16
(1,2403)	1:416:A:PHE:HE1	1:425:A:PHE:HE2	3	0.16	0.02	0.16
(1,2403)	1:416:A:PHE:HE2	1:425:A:PHE:HE1	3	0.16	0.02	0.16
(1,2403)	1:416:A:PHE:HE2	1:425:A:PHE:HE2	3	0.16	0.02	0.16
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD11	3	0.15	0.01	0.15
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD12	3	0.15	0.01	0.15
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD13	3	0.15	0.01	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD21	3	0.15	0.01	0.15
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD22	3	0.15	0.01	0.15
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD23	3	0.15	0.01	0.15
(1,234)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	3	0.15	0.04	0.18
(1,234)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	3	0.15	0.04	0.18
(1,234)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	3	0.15	0.04	0.18
(1,234)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	3	0.15	0.04	0.18
(1,234)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	3	0.15	0.04	0.18
(1,234)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	3	0.15	0.04	0.18
(1,1254)	1:411:A:HIS:HD2	1:476:A:LEU:HA	3	0.15	0.05	0.13
(1,1092)	1:412:A:LEU:HG	1:415:A:GLU:HA	3	0.15	0.02	0.15
(1,2153)	1:414:A:GLN:H	1:415:A:GLU:H	3	0.15	0.04	0.15
(1,734)	1:416:A:PHE:HB3	1:421:A:ILE:HB	3	0.15	0.03	0.14
(1,2212)	1:430:A:ASN:HD22	1:454:A:ASP:HA	3	0.15	0.04	0.12
(1,599)	1:409:A:ILE:HB	1:410:A:TYR:H	3	0.14	0.04	0.12
(1,1267)	1:456:A:PRO:HB2	1:460:A:GLN:HG2	3	0.14	0.02	0.15
(1,1267)	1:456:A:PRO:HB2	1:460:A:GLN:HG3	3	0.14	0.02	0.15
(1,1661)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	3	0.14	0.02	0.15
(1,1661)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	3	0.14	0.02	0.15
(1,2018)	1:460:A:GLN:HA	1:463:A:ILE:H	3	0.14	0.04	0.12
(1,2194)	1:432:A:ILE:HD11	1:455:A:ASN:H	3	0.14	0.03	0.15
(1,2194)	1:432:A:ILE:HD12	1:455:A:ASN:H	3	0.14	0.03	0.15
(1,2194)	1:432:A:ILE:HD13	1:455:A:ASN:H	3	0.14	0.03	0.15
(1,545)	1:416:A:PHE:HD1	1:421:A:ILE:HA	3	0.14	0.04	0.12
(1,545)	1:416:A:PHE:HD2	1:421:A:ILE:HA	3	0.14	0.04	0.12
(1,2053)	1:405:A:ALA:HB1	1:406:A:ASN:HD21	3	0.14	0.04	0.12
(1,2053)	1:405:A:ALA:HB2	1:406:A:ASN:HD21	3	0.14	0.04	0.12
(1,2053)	1:405:A:ALA:HB3	1:406:A:ASN:HD21	3	0.14	0.04	0.12
(1,452)	1:439:A:ASP:HB3	1:440:A:LYS:HE2	3	0.14	0.02	0.13
(1,452)	1:439:A:ASP:HB3	1:440:A:LYS:HE3	3	0.14	0.02	0.13
(1,569)	1:418:A:ASP:HB2	1:421:A:ILE:HG21	3	0.14	0.01	0.13
(1,569)	1:418:A:ASP:HB2	1:421:A:ILE:HG22	3	0.14	0.01	0.13
(1,569)	1:418:A:ASP:HB2	1:421:A:ILE:HG23	3	0.14	0.01	0.13
(1,1115)	1:452:A:SER:H	1:453:A:TYR:HA	3	0.14	0.02	0.14
(1,2410)	1:408:A:PHE:HE1	1:450:A:PHE:HE1	3	0.14	0.02	0.14
(1,2410)	1:408:A:PHE:HE1	1:450:A:PHE:HE2	3	0.14	0.02	0.14
(1,2410)	1:408:A:PHE:HE2	1:450:A:PHE:HE1	3	0.14	0.02	0.14
(1,2410)	1:408:A:PHE:HE2	1:450:A:PHE:HE2	3	0.14	0.02	0.14
(1,1482)	1:481:A:LYS:H	1:481:A:LYS:HD3	3	0.14	0.03	0.12
(1,1366)	1:409:A:ILE:HD11	1:466:A:MET:HB2	3	0.13	0.01	0.13
(1,1366)	1:409:A:ILE:HD11	1:466:A:MET:HB3	3	0.13	0.01	0.13
(1,1366)	1:409:A:ILE:HD12	1:466:A:MET:HB2	3	0.13	0.01	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1366)	1:409:A:ILE:HD12	1:466:A:MET:HB3	3	0.13	0.01	0.13
(1,1366)	1:409:A:ILE:HD13	1:466:A:MET:HB2	3	0.13	0.01	0.13
(1,1366)	1:409:A:ILE:HD13	1:466:A:MET:HB3	3	0.13	0.01	0.13
(1,715)	1:458:A:SER:HB2	1:461:A:ALA:HB1	3	0.13	0.02	0.12
(1,715)	1:458:A:SER:HB2	1:461:A:ALA:HB2	3	0.13	0.02	0.12
(1,715)	1:458:A:SER:HB2	1:461:A:ALA:HB3	3	0.13	0.02	0.12
(1,1713)	1:470:A:GLN:H	1:475:A:ARG:HG2	3	0.13	0.01	0.12
(1,1713)	1:470:A:GLN:H	1:475:A:ARG:HG3	3	0.13	0.01	0.12
(1,2091)	1:442:A:THR:HG21	1:443:A:ASN:H	3	0.13	0.03	0.11
(1,2091)	1:442:A:THR:HG22	1:443:A:ASN:H	3	0.13	0.03	0.11
(1,2091)	1:442:A:THR:HG23	1:443:A:ASN:H	3	0.13	0.03	0.11
(1,2197)	1:430:A:ASN:HD22	1:432:A:ILE:HD11	3	0.13	0.01	0.12
(1,2197)	1:430:A:ASN:HD22	1:432:A:ILE:HD12	3	0.13	0.01	0.12
(1,2197)	1:430:A:ASN:HD22	1:432:A:ILE:HD13	3	0.13	0.01	0.12
(1,2420)	1:412:A:LEU:HG	1:416:A:PHE:HD1	3	0.13	0.03	0.11
(1,2420)	1:412:A:LEU:HG	1:416:A:PHE:HD2	3	0.13	0.03	0.11
(1,1032)	1:403:A:GLU:HA	1:406:A:ASN:HD21	3	0.12	0.01	0.13
(1,1870)	1:398:A:GLN:H	1:399:A:LYS:H	3	0.12	0.01	0.12
(1,2139)	1:444:A:LEU:HA	1:445:A:SER:H	3	0.12	0.01	0.12
(1,1582)	1:456:A:PRO:HD3	1:458:A:SER:H	3	0.12	0.01	0.12
(1,900)	1:421:A:ILE:HD11	1:435:A:LYS:H	3	0.12	0.01	0.12
(1,900)	1:421:A:ILE:HD12	1:435:A:LYS:H	3	0.12	0.01	0.12
(1,900)	1:421:A:ILE:HD13	1:435:A:LYS:H	3	0.12	0.01	0.12
(1,1479)	1:463:A:ILE:HG12	1:478:A:VAL:H	3	0.12	0.01	0.11
(1,1479)	1:463:A:ILE:HG13	1:478:A:VAL:H	3	0.12	0.01	0.11
(1,2057)	1:430:A:ASN:H	1:454:A:ASP:H	3	0.12	0.01	0.12
(1,2330)	1:428:A:PHE:HB3	1:429:A:GLY:H	3	0.12	0.0	0.12
(1,2424)	1:411:A:HIS:HD2	1:477:A:LYS:HB2	3	0.11	0.01	0.11
(1,2424)	1:411:A:HIS:HD2	1:477:A:LYS:HB3	3	0.11	0.01	0.11
(1,1119)	1:417:A:GLY:H	1:420:A:ASP:HA	3	0.11	0.0	0.11
(1,2064)	1:430:A:ASN:H	1:430:A:ASN:HB2	3	0.11	0.0	0.11
(1,2064)	1:430:A:ASN:H	1:430:A:ASN:HB3	3	0.11	0.0	0.11
(1,916)	1:432:A:ILE:H	1:451:A:VAL:HA	3	0.11	0.0	0.11
(1,1687)	1:422:A:LEU:HG	1:423:A:GLN:HA	3	0.11	0.0	0.11
(1,1856)	1:479:A:GLN:H	1:480:A:LEU:H	3	0.1	0.0	0.1
(1,790)	1:484:A:LYS:HG2	1:485:A:ASN:HB3	2	1.6	0.02	1.6
(1,790)	1:484:A:LYS:HG3	1:485:A:ASN:HB3	2	1.6	0.02	1.6
(1,65)	1:444:A:LEU:HG	1:445:A:SER:H	2	1.29	0.08	1.29
(1,2150)	1:406:A:ASN:H	1:406:A:ASN:HB2	2	0.97	0.05	0.97
(1,1283)	1:398:A:GLN:HA	1:398:A:GLN:HG2	2	0.4	0.05	0.4
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD11	2	0.37	0.26	0.37
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD12	2	0.37	0.26	0.37

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD13	2	0.37	0.26	0.37
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD21	2	0.37	0.26	0.37
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD22	2	0.37	0.26	0.37
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD23	2	0.37	0.26	0.37
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD11	2	0.37	0.26	0.37
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD12	2	0.37	0.26	0.37
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD13	2	0.37	0.26	0.37
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD21	2	0.37	0.26	0.37
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD22	2	0.37	0.26	0.37
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD23	2	0.37	0.26	0.37
(1,1554)	1:415:A:GLU:H	1:415:A:GLU:HB2	2	0.34	0.0	0.34
(1,1094)	1:415:A:GLU:HA	1:415:A:GLU:HG2	2	0.31	0.01	0.31
(1,1094)	1:415:A:GLU:HA	1:415:A:GLU:HG3	2	0.31	0.01	0.31
(1,2147)	1:406:A:ASN:H	1:406:A:ASN:HD22	2	0.3	0.02	0.3
(1,1924)	1:451:A:VAL:HG11	1:453:A:TYR:H	2	0.29	0.02	0.29
(1,1924)	1:451:A:VAL:HG12	1:453:A:TYR:H	2	0.29	0.02	0.29
(1,1924)	1:451:A:VAL:HG13	1:453:A:TYR:H	2	0.29	0.02	0.29
(1,1208)	1:470:A:GLN:H	1:470:A:GLN:HG2	2	0.26	0.16	0.26
(1,1208)	1:470:A:GLN:H	1:470:A:GLN:HG3	2	0.26	0.16	0.26
(1,2049)	1:406:A:ASN:HA	1:406:A:ASN:HD22	2	0.26	0.02	0.26
(1,504)	1:481:A:LYS:HE2	1:482:A:ARG:H	2	0.24	0.07	0.24
(1,504)	1:481:A:LYS:HE3	1:482:A:ARG:H	2	0.24	0.07	0.24
(1,1126)	1:451:A:VAL:HG11	1:453:A:TYR:HA	2	0.22	0.02	0.22
(1,1126)	1:451:A:VAL:HG12	1:453:A:TYR:HA	2	0.22	0.02	0.22
(1,1126)	1:451:A:VAL:HG13	1:453:A:TYR:HA	2	0.22	0.02	0.22
(1,431)	1:432:A:ILE:HB	1:433:A:SER:HB2	2	0.21	0.09	0.21
(1,286)	1:431:A:VAL:HG21	1:434:A:ALA:HB1	2	0.2	0.08	0.2
(1,286)	1:431:A:VAL:HG21	1:434:A:ALA:HB2	2	0.2	0.08	0.2
(1,286)	1:431:A:VAL:HG21	1:434:A:ALA:HB3	2	0.2	0.08	0.2
(1,286)	1:431:A:VAL:HG22	1:434:A:ALA:HB1	2	0.2	0.08	0.2
(1,286)	1:431:A:VAL:HG22	1:434:A:ALA:HB2	2	0.2	0.08	0.2
(1,286)	1:431:A:VAL:HG22	1:434:A:ALA:HB3	2	0.2	0.08	0.2
(1,286)	1:431:A:VAL:HG23	1:434:A:ALA:HB1	2	0.2	0.08	0.2
(1,286)	1:431:A:VAL:HG23	1:434:A:ALA:HB2	2	0.2	0.08	0.2
(1,286)	1:431:A:VAL:HG23	1:434:A:ALA:HB3	2	0.2	0.08	0.2
(1,1669)	1:455:A:ASN:HB3	1:456:A:PRO:HG2	2	0.2	0.09	0.2
(1,1669)	1:455:A:ASN:HB3	1:456:A:PRO:HG3	2	0.2	0.09	0.2
(1,1166)	1:398:A:GLN:HG3	1:408:A:PHE:HE1	2	0.2	0.04	0.2
(1,1166)	1:398:A:GLN:HG3	1:408:A:PHE:HE2	2	0.2	0.04	0.2
(1,380)	1:468:A:GLY:HA3	1:475:A:ARG:HD2	2	0.19	0.04	0.19
(1,1603)	1:413:A:PRO:HG3	1:470:A:GLN:HA	2	0.19	0.04	0.19
(1,979)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	2	0.18	0.02	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,979)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	2	0.18	0.02	0.18
(1,979)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	2	0.18	0.02	0.18
(1,1231)	1:406:A:ASN:HB2	1:452:A:SER:HA	2	0.18	0.05	0.18
(1,1339)	1:426:A:MET:HG2	1:431:A:VAL:HB	2	0.18	0.01	0.18
(1,1339)	1:426:A:MET:HG3	1:431:A:VAL:HB	2	0.18	0.01	0.18
(1,568)	1:418:A:ASP:HA	1:421:A:ILE:HG21	2	0.18	0.01	0.18
(1,568)	1:418:A:ASP:HA	1:421:A:ILE:HG22	2	0.18	0.01	0.18
(1,568)	1:418:A:ASP:HA	1:421:A:ILE:HG23	2	0.18	0.01	0.18
(1,942)	1:450:A:PHE:HA	1:451:A:VAL:HB	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG11	1:461:A:ALA:HB1	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG11	1:461:A:ALA:HB2	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG11	1:461:A:ALA:HB3	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG12	1:461:A:ALA:HB1	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG12	1:461:A:ALA:HB2	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG12	1:461:A:ALA:HB3	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG13	1:461:A:ALA:HB1	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG13	1:461:A:ALA:HB2	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG13	1:461:A:ALA:HB3	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG21	1:461:A:ALA:HB1	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG21	1:461:A:ALA:HB2	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG21	1:461:A:ALA:HB3	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG22	1:461:A:ALA:HB1	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG22	1:461:A:ALA:HB2	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG22	1:461:A:ALA:HB3	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG23	1:461:A:ALA:HB1	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG23	1:461:A:ALA:HB2	2	0.18	0.03	0.18
(1,210)	1:457:A:VAL:HG23	1:461:A:ALA:HB3	2	0.18	0.03	0.18
(1,329)	1:407:A:LEU:H	1:451:A:VAL:HG11	2	0.18	0.06	0.18
(1,329)	1:407:A:LEU:H	1:451:A:VAL:HG12	2	0.18	0.06	0.18
(1,329)	1:407:A:LEU:H	1:451:A:VAL:HG13	2	0.18	0.06	0.18
(1,363)	1:409:A:ILE:HG21	1:476:A:LEU:H	2	0.18	0.08	0.18
(1,363)	1:409:A:ILE:HG22	1:476:A:LEU:H	2	0.18	0.08	0.18
(1,363)	1:409:A:ILE:HG23	1:476:A:LEU:H	2	0.18	0.08	0.18
(1,1512)	1:470:A:GLN:HB3	1:475:A:ARG:HD3	2	0.18	0.03	0.18
(1,1519)	1:439:A:ASP:HA	1:440:A:LYS:HD2	2	0.18	0.04	0.18
(1,1519)	1:439:A:ASP:HA	1:440:A:LYS:HD3	2	0.18	0.04	0.18
(1,914)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	2	0.17	0.06	0.17
(1,914)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	2	0.17	0.06	0.17
(1,914)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	2	0.17	0.06	0.17
(1,914)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	2	0.17	0.06	0.17
(1,914)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	2	0.17	0.06	0.17
(1,914)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	2	0.17	0.06	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,914)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	2	0.17	0.06	0.17
(1,914)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	2	0.17	0.06	0.17
(1,914)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	2	0.17	0.06	0.17
(1,1352)	1:465:A:ALA:H	1:466:A:MET:HG2	2	0.17	0.05	0.17
(1,1352)	1:465:A:ALA:H	1:466:A:MET:HG3	2	0.17	0.05	0.17
(1,2437)	1:410:A:TYR:HE1	1:448:A:PHE:HB2	2	0.17	0.05	0.17
(1,2437)	1:410:A:TYR:HE1	1:448:A:PHE:HB3	2	0.17	0.05	0.17
(1,2437)	1:410:A:TYR:HE2	1:448:A:PHE:HB2	2	0.17	0.05	0.17
(1,2437)	1:410:A:TYR:HE2	1:448:A:PHE:HB3	2	0.17	0.05	0.17
(1,1763)	1:471:A:ILE:H	1:474:A:LYS:HB2	2	0.16	0.06	0.16
(1,588)	1:416:A:PHE:HB3	1:421:A:ILE:HG21	2	0.16	0.03	0.16
(1,588)	1:416:A:PHE:HB3	1:421:A:ILE:HG22	2	0.16	0.03	0.16
(1,588)	1:416:A:PHE:HB3	1:421:A:ILE:HG23	2	0.16	0.03	0.16
(1,932)	1:400:A:GLU:HG2	1:452:A:SER:HB3	2	0.16	0.02	0.16
(1,1096)	1:463:A:ILE:HA	1:478:A:VAL:HB	2	0.16	0.02	0.16
(1,2133)	1:424:A:MET:H	1:425:A:PHE:HB3	2	0.16	0.06	0.16
(1,58)	1:474:A:LYS:H	1:474:A:LYS:HG3	2	0.16	0.02	0.16
(1,762)	1:489:A:PRO:HG2	1:490:A:TYR:HB2	2	0.16	0.04	0.16
(1,2214)	1:430:A:ASN:HD22	1:432:A:ILE:HG21	2	0.16	0.01	0.16
(1,2214)	1:430:A:ASN:HD22	1:432:A:ILE:HG22	2	0.16	0.01	0.16
(1,2214)	1:430:A:ASN:HD22	1:432:A:ILE:HG23	2	0.16	0.01	0.16
(1,1224)	1:436:A:VAL:HB	1:449:A:GLY:HA3	2	0.15	0.03	0.15
(1,1386)	1:461:A:ALA:HA	1:465:A:ALA:H	2	0.15	0.03	0.15
(1,2180)	1:410:A:TYR:HA	1:412:A:LEU:H	2	0.15	0.04	0.15
(1,1286)	1:398:A:GLN:HA	1:434:A:ALA:H	2	0.15	0.02	0.15
(1,2419)	1:414:A:GLN:HG3	1:416:A:PHE:HD1	2	0.15	0.04	0.15
(1,2419)	1:414:A:GLN:HG3	1:416:A:PHE:HD2	2	0.15	0.04	0.15
(1,194)	1:416:A:PHE:HB2	1:436:A:VAL:HG21	2	0.14	0.0	0.14
(1,194)	1:416:A:PHE:HB2	1:436:A:VAL:HG22	2	0.14	0.0	0.14
(1,194)	1:416:A:PHE:HB2	1:436:A:VAL:HG23	2	0.14	0.0	0.14
(1,484)	1:462:A:ALA:HB1	1:464:A:GLN:H	2	0.14	0.04	0.14
(1,484)	1:462:A:ALA:HB2	1:464:A:GLN:H	2	0.14	0.04	0.14
(1,484)	1:462:A:ALA:HB3	1:464:A:GLN:H	2	0.14	0.04	0.14
(1,933)	1:435:A:LYS:HB2	1:450:A:PHE:HD1	2	0.14	0.02	0.14
(1,933)	1:435:A:LYS:HB2	1:450:A:PHE:HD2	2	0.14	0.02	0.14
(1,933)	1:435:A:LYS:HB3	1:450:A:PHE:HD1	2	0.14	0.02	0.14
(1,933)	1:435:A:LYS:HB3	1:450:A:PHE:HD2	2	0.14	0.02	0.14
(1,1204)	1:477:A:LYS:HG2	1:479:A:GLN:HB2	2	0.14	0.02	0.14
(1,1204)	1:477:A:LYS:HG2	1:479:A:GLN:HB3	2	0.14	0.02	0.14
(1,1204)	1:477:A:LYS:HG3	1:479:A:GLN:HB2	2	0.14	0.02	0.14
(1,1204)	1:477:A:LYS:HG3	1:479:A:GLN:HB3	2	0.14	0.02	0.14
(1,1655)	1:460:A:GLN:HB2	1:463:A:ILE:HD11	2	0.14	0.01	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1655)	1:460:A:GLN:HB2	1:463:A:ILE:HD12	2	0.14	0.01	0.14
(1,1655)	1:460:A:GLN:HB2	1:463:A:ILE:HD13	2	0.14	0.01	0.14
(1,1655)	1:460:A:GLN:HB3	1:463:A:ILE:HD11	2	0.14	0.01	0.14
(1,1655)	1:460:A:GLN:HB3	1:463:A:ILE:HD12	2	0.14	0.01	0.14
(1,1655)	1:460:A:GLN:HB3	1:463:A:ILE:HD13	2	0.14	0.01	0.14
(1,1699)	1:422:A:LEU:HG	1:423:A:GLN:HE21	2	0.14	0.02	0.14
(1,1012)	1:460:A:GLN:HA	1:463:A:ILE:HB	2	0.14	0.01	0.14
(1,1607)	1:398:A:GLN:HB2	1:434:A:ALA:HA	2	0.14	0.02	0.14
(1,1607)	1:398:A:GLN:HB3	1:434:A:ALA:HA	2	0.14	0.02	0.14
(1,1759)	1:471:A:ILE:H	1:476:A:LEU:H	2	0.14	0.02	0.14
(1,1011)	1:460:A:GLN:HA	1:463:A:ILE:HA	2	0.13	0.01	0.13
(1,1308)	1:473:A:MET:HG2	1:474:A:LYS:H	2	0.13	0.02	0.13
(1,1500)	1:411:A:HIS:HB3	1:412:A:LEU:HA	2	0.13	0.0	0.13
(1,1797)	1:410:A:TYR:H	1:477:A:LYS:H	2	0.13	0.0	0.13
(1,963)	1:469:A:PHE:HA	1:476:A:LEU:H	2	0.12	0.02	0.12
(1,1643)	1:405:A:ALA:HA	1:459:A:ALA:H	2	0.12	0.01	0.12
(1,2231)	1:417:A:GLY:H	1:419:A:GLN:H	2	0.12	0.02	0.12
(1,313)	1:401:A:GLY:HA3	1:402:A:PRO:HG2	2	0.12	0.01	0.12
(1,2365)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	2	0.12	0.01	0.12
(1,2365)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	2	0.12	0.01	0.12
(1,2365)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	2	0.12	0.01	0.12
(1,2365)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	2	0.12	0.01	0.12
(1,2365)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	2	0.12	0.01	0.12
(1,2365)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	2	0.12	0.01	0.12
(1,994)	1:403:A:GLU:HG3	1:404:A:GLY:H	2	0.12	0.02	0.12
(1,2082)	1:462:A:ALA:HA	1:465:A:ALA:H	2	0.12	0.0	0.12
(1,874)	1:450:A:PHE:HD1	1:451:A:VAL:HA	2	0.11	0.0	0.11
(1,874)	1:450:A:PHE:HD2	1:451:A:VAL:HA	2	0.11	0.0	0.11
(1,1827)	1:410:A:TYR:H	1:477:A:LYS:HB2	2	0.11	0.0	0.11
(1,1827)	1:410:A:TYR:H	1:477:A:LYS:HB3	2	0.11	0.0	0.11
(1,354)	1:432:A:ILE:HB	1:452:A:SER:HB3	2	0.11	0.0	0.11
(1,810)	1:458:A:SER:HA	1:461:A:ALA:HB1	2	0.11	0.0	0.11
(1,810)	1:458:A:SER:HA	1:461:A:ALA:HB2	2	0.11	0.0	0.11
(1,810)	1:458:A:SER:HA	1:461:A:ALA:HB3	2	0.11	0.0	0.11
(1,1434)	1:464:A:GLN:HB2	1:465:A:ALA:HA	2	0.11	0.0	0.11
(1,1434)	1:464:A:GLN:HB3	1:465:A:ALA:HA	2	0.11	0.0	0.11
(1,1592)	1:427:A:PRO:HD2	1:428:A:PHE:HE1	2	0.11	0.0	0.11
(1,1592)	1:427:A:PRO:HD2	1:428:A:PHE:HE2	2	0.11	0.0	0.11
(1,1592)	1:427:A:PRO:HD3	1:428:A:PHE:HE1	2	0.11	0.0	0.11
(1,1592)	1:427:A:PRO:HD3	1:428:A:PHE:HE2	2	0.11	0.0	0.11
(1,1755)	1:439:A:ASP:H	1:440:A:LYS:HG2	2	0.11	0.0	0.11
(1,1755)	1:439:A:ASP:H	1:440:A:LYS:HG3	2	0.11	0.0	0.11

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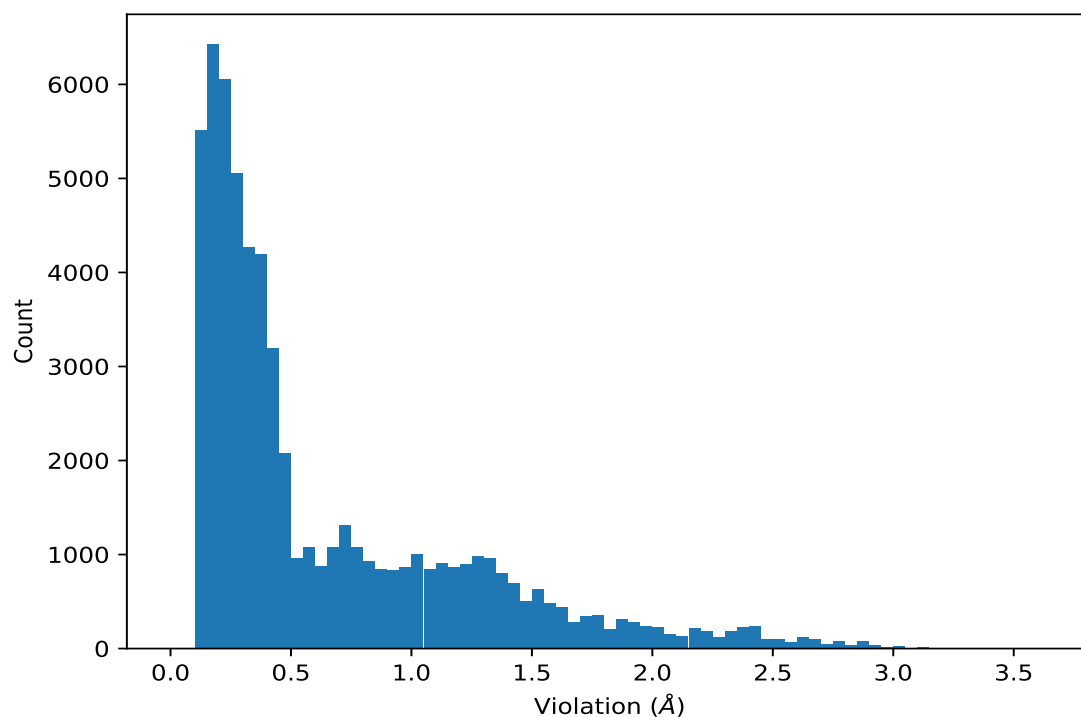
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2350)	1:421:A:ILE:HA	1:425:A:PHE:HD1	2	0.11	0.0	0.11
(1,2350)	1:421:A:ILE:HA	1:425:A:PHE:HD2	2	0.11	0.0	0.11

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	20	3.61
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	20	3.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	8	3.54
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	8	3.54
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	16	3.53
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	16	3.53
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	3	3.52
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	3	3.52
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	15	3.43
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	15	3.43
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	1	3.41
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	1	3.41
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	19	3.39
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	19	3.39
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	17	3.36
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	17	3.36
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	11	3.23
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	11	3.23
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	10	3.2
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	10	3.2
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	12	3.19
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	12	3.19
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	14	3.15
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	14	3.15
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	4	3.12
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	4	3.12
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	18	3.12
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	18	3.12
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	16	3.12
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	5	3.11
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	5	3.11
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	19	3.11
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	19	3.11
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	2	3.1
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	2	3.1
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	9	3.09
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	9	3.09
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	11	3.09
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	11	3.09
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	3	3.08
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	3	3.08
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	12	3.08
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	12	3.08
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	17	3.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	17	3.08
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD1	17	3.04
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD2	17	3.04
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	16	3.02
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	16	3.02
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	16	3.02
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	16	3.02
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	16	3.02
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	16	3.02
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	16	3.02
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	16	3.02
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	16	3.02
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	16	3.02
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	16	3.02
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	16	3.02
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	1	3.01
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	1	3.01
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	12	3.01
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	12	3.01
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD1	3	3.01
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD2	3	3.01
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	7	3.0
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	14	3.0
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	14	3.0
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	19	2.99
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	19	2.99
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	9	2.98
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	9	2.98
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	9	2.98
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	9	2.98
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	9	2.98
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	9	2.98
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	4	2.97
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	4	2.97
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	10	2.96
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	10	2.96
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD1	11	2.96
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD2	11	2.96
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	11	2.93
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	11	2.93
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	5	2.93
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	5	2.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	7	2.93
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	7	2.93
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	17	2.93
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	8	2.92
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	8	2.92
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	10	2.92
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	10	2.92
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	10	2.92
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	10	2.92
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	10	2.92
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	10	2.92
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	11	2.92
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	11	2.92
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	13	2.92
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	13	2.92
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	13	2.92
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	13	2.92
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	13	2.92
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	13	2.92
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	13	2.92
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	13	2.92
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	13	2.92
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	13	2.92
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	13	2.92
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	13	2.92
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	13	2.92
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	13	2.92
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	13	2.92
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	13	2.92
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	13	2.92
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	13	2.92
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	15	2.91
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	15	2.91
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	18	2.91
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	18	2.91
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	3	2.91
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	19	2.91
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	18	2.89
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	16	2.89
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	16	2.89
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	16	2.89
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	16	2.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	16	2.89
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	16	2.89
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	16	2.89
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	16	2.89
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	16	2.89
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	16	2.89
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	16	2.89
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	16	2.89
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	13	2.88
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	13	2.88
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD1	5	2.88
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD2	5	2.88
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	12	2.87
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	12	2.87
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	12	2.87
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	12	2.87
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	12	2.87
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	12	2.87
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	14	2.87
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	14	2.87
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	14	2.87
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	14	2.87
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	14	2.87
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	14	2.87
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	14	2.87
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	14	2.87
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	14	2.87
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	14	2.87
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	14	2.87
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	14	2.87
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	9	2.86
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	9	2.86
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	20	2.85
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	20	2.85
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	5	2.85
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	17	2.85
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	17	2.85
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	17	2.85
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	17	2.85
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	17	2.85
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	17	2.85
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	13	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	13	2.85
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	13	2.85
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	13	2.85
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	13	2.85
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	13	2.85
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	13	2.85
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	13	2.85
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	13	2.85
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	13	2.85
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	13	2.85
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	13	2.85
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	18	2.85
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	18	2.85
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	18	2.85
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	18	2.85
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	18	2.85
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	18	2.85
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	18	2.85
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	18	2.85
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	18	2.85
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	18	2.85
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	18	2.85
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	18	2.85
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	18	2.85
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	18	2.85
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	18	2.85
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	18	2.85
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	18	2.85
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	18	2.85
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	6	2.84
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	6	2.84
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	17	2.84
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	17	2.84
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	14	2.83
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	14	2.83
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD1	1	2.83
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD2	1	2.83
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	4	2.83
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	4	2.83
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	4	2.83
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	4	2.83
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	4	2.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	4	2.83
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	4	2.83
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	4	2.83
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	4	2.83
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	4	2.83
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	4	2.83
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	4	2.83
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	16	2.82
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	16	2.82
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	2	2.82
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	20	2.81
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	20	2.81
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	2	2.81
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	2	2.81
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	11	2.81
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	11	2.81
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	11	2.81
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	11	2.81
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	11	2.81
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	11	2.81
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	8	2.8
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	3	2.8
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	3	2.8
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	17	2.79
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	17	2.79
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	15	2.79
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	4	2.79
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	4	2.79
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	4	2.79
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	4	2.79
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	4	2.79
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	4	2.79
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	4	2.79
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	4	2.79
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	4	2.79
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	4	2.79
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	4	2.79
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	4	2.79
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD1	16	2.78
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD2	16	2.78
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	8	2.78
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	8	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	8	2.78
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	8	2.78
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	8	2.78
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	8	2.78
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	18	2.78
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	18	2.78
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	18	2.78
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	18	2.78
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	18	2.78
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	18	2.78
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	9	2.77
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	12	2.77
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	16	2.77
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	16	2.77
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	16	2.77
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	16	2.77
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	16	2.77
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	16	2.77
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	5	2.77
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	5	2.77
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	14	2.77
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	14	2.77
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	14	2.77
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	14	2.77
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	14	2.77
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	14	2.77
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	14	2.77
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	14	2.77
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	14	2.77
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	14	2.77
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	14	2.77
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	14	2.77
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	16	2.76
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	16	2.76
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	16	2.76
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	16	2.76
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	16	2.76
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	16	2.76
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	16	2.76
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	16	2.76
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	16	2.76
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	16	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	16	2.76
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	16	2.76
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	4	2.76
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	1	2.76
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	1	2.76
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	1	2.76
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	1	2.76
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	1	2.76
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	1	2.76
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	4	2.75
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	9	2.75
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	20	2.75
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	20	2.75
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	20	2.75
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	20	2.75
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	20	2.75
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	20	2.75
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	3	2.74
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	16	2.73
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	16	2.73
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	4	2.73
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	4	2.73
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	10	2.73
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	18	2.73
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	3	2.73
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	3	2.73
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	3	2.73
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	3	2.73
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	3	2.73
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	3	2.73
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	20	2.72
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	2	2.72
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	2	2.72
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	2	2.72
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	2	2.72
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	2	2.72
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	2	2.72
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	13	2.71
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	8	2.71
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	5	2.71
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	5	2.71
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	5	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	5	2.71
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	5	2.71
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	5	2.71
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	11	2.7
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	11	2.7
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	12	2.7
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	6	2.7
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	13	2.7
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	15	2.7
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	15	2.7
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	15	2.7
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	15	2.7
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	15	2.7
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	15	2.7
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	19	2.7
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	19	2.7
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	19	2.7
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	19	2.7
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	19	2.7
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	19	2.7
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	3	2.69
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	3	2.69
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	7	2.69
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	12	2.69
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	4	2.69
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	10	2.69
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	10	2.69
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	10	2.69
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	10	2.69
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	10	2.69
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	10	2.69
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	10	2.69
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	10	2.69
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	10	2.69
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	10	2.69
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	10	2.69
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	10	2.69
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	16	2.68
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	14	2.68
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	14	2.68
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	4	2.68
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	20	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	1	2.68
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	1	2.68
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	1	2.68
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	1	2.68
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	1	2.68
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	1	2.68
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	1	2.68
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	1	2.68
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	1	2.68
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	1	2.68
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	1	2.68
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	1	2.68
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	12	2.67
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	12	2.67
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	5	2.67
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	14	2.67
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	19	2.67
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	14	2.67
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	10	2.67
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	1	2.67
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	1	2.67
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	1	2.67
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	1	2.67
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	1	2.67
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	1	2.67
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	1	2.67
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	1	2.67
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	1	2.67
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	1	2.67
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	1	2.67
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	1	2.67
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	1	2.67
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	1	2.67
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	1	2.67
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	1	2.67
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	1	2.67
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	1	2.67
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	20	2.66
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	3	2.66
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	3	2.66
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	3	2.66
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	3	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	3	2.66
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	3	2.66
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	3	2.66
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	3	2.66
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	3	2.66
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	3	2.66
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	3	2.66
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	3	2.66
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	9	2.66
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	18	2.66
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	3	2.66
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	6	2.66
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	6	2.66
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	6	2.66
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	6	2.66
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	6	2.66
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	6	2.66
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	9	2.66
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	9	2.66
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	9	2.66
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	2	2.66
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	2	2.66
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	13	2.65
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	13	2.65
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	16	2.65
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	16	2.65
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	2	2.65
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	5	2.65
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	19	2.65
(1,611)	1:410:A:TYR:HB3	1:411:A:HIS:HD2	7	2.65
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	11	2.65
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	14	2.65
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	7	2.65
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	7	2.65
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	7	2.65
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	7	2.65
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	7	2.65
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	7	2.65
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE1	10	2.64
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE2	10	2.64
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	11	2.64
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	3	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	3	2.64
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	3	2.64
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	3	2.64
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	3	2.64
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	3	2.64
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	18	2.64
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	18	2.64
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	18	2.64
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	18	2.64
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	18	2.64
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	18	2.64
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	6	2.64
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	6	2.64
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	6	2.64
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	6	2.64
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	6	2.64
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	6	2.64
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	6	2.64
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	6	2.64
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	6	2.64
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	6	2.64
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	6	2.64
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	6	2.64
(1,1292)	1:408:A:PHE:HD1	1:450:A:PHE:HA	11	2.64
(1,1292)	1:408:A:PHE:HD2	1:450:A:PHE:HA	11	2.64
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	3	2.64
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	12	2.64
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	17	2.64
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	2	2.63
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	1	2.63
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	7	2.63
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	15	2.63
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	15	2.63
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	17	2.63
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	12	2.63
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	12	2.63
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	13	2.62
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	13	2.62
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	13	2.62
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	13	2.62
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	13	2.62
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	13	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	1	2.62
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	1	2.62
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	20	2.62
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	20	2.62
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	20	2.62
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	20	2.62
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	6	2.62
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	13	2.62
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	13	2.62
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	13	2.62
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	13	2.62
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	13	2.62
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	13	2.62
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	13	2.62
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	12	2.61
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	13	2.61
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	13	2.61
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	13	2.61
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	13	2.61
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	13	2.61
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	13	2.61
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	13	2.61
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	13	2.61
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	13	2.61
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	13	2.61
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	13	2.61
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	13	2.61
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	19	2.61
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	19	2.61
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	19	2.61
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	19	2.61
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	19	2.61
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	19	2.61
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	19	2.61
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	19	2.61
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	19	2.61
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	19	2.61
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	19	2.61
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	19	2.61
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	8	2.61
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	2	2.61
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	7	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	14	2.61
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	16	2.61
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	16	2.61
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	16	2.61
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	16	2.61
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	16	2.61
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	16	2.61
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	1	2.6
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	1	2.6
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	1	2.6
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	1	2.6
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	1	2.6
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	1	2.6
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	12	2.6
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	12	2.6
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	12	2.6
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	12	2.6
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	12	2.6
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	12	2.6
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	12	2.6
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	12	2.6
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	12	2.6
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	12	2.6
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	12	2.6
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	12	2.6
(1,1114)	1:414:A:GLN:H	1:414:A:GLN:HG3	16	2.6
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	11	2.6
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	6	2.6
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	9	2.6
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	9	2.6
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	19	2.59
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	4	2.59
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	4	2.59
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	2	2.59
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	2	2.59
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	2	2.59
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	2	2.59
(1,791)	1:484:A:LYS:HG2	1:485:A:ASN:HB2	20	2.59
(1,791)	1:484:A:LYS:HG3	1:485:A:ASN:HB2	20	2.59
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	9	2.59
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	4	2.58
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	4	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	4	2.58
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	4	2.58
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	4	2.58
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	4	2.58
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	18	2.57
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	18	2.57
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	18	2.57
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	18	2.57
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	18	2.57
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	18	2.57
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	18	2.57
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	3	2.57
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	3	2.57
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	3	2.57
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	3	2.57
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	3	2.57
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	3	2.57
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	13	2.57
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	13	2.57
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	13	2.57
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	13	2.57
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	19	2.57
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	19	2.57
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	19	2.57
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	19	2.57
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	16	2.57
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	16	2.57
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	18	2.57
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	17	2.56
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	17	2.56
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	17	2.56
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	17	2.56
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	18	2.56
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	18	2.56
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	18	2.56
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	18	2.56
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	1	2.56
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	9	2.56
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	9	2.56
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	9	2.56
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	9	2.56
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	9	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	9	2.56
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	9	2.56
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	9	2.56
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	9	2.56
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	9	2.56
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	9	2.56
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	9	2.56
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	17	2.55
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	17	2.55
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	17	2.55
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	17	2.55
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	17	2.55
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	17	2.55
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	8	2.55
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	8	2.55
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	8	2.55
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	8	2.55
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	5	2.55
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	5	2.55
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	17	2.54
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	17	2.54
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	17	2.54
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	17	2.54
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	17	2.54
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	17	2.54
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE1	3	2.53
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE2	3	2.53
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	8	2.53
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	8	2.53
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	8	2.53
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	8	2.53
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	8	2.53
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	8	2.53
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	8	2.53
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	8	2.53
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	8	2.53
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	8	2.53
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	8	2.53
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	8	2.53
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	8	2.53
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	8	2.53
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	13	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	13	2.53
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	13	2.53
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	13	2.53
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	13	2.53
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	13	2.53
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	13	2.53
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	13	2.53
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	13	2.53
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	13	2.53
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	13	2.53
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	13	2.53
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	13	2.53
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	13	2.53
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	7	2.52
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	7	2.52
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	4	2.51
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	13	2.51
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	11	2.51
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	11	2.51
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	11	2.51
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	11	2.51
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	11	2.51
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	11	2.51
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	4	2.51
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	4	2.51
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	4	2.51
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	4	2.51
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	4	2.51
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	6	2.51
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	6	2.51
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	6	2.51
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	6	2.51
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	2	2.51
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	2	2.51
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	2	2.51
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	2	2.51
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	2	2.51
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	2	2.51
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	2	2.51
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	2	2.51
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	2	2.51
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	2	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	2	2.51
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	2	2.51
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	20	2.5
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	20	2.5
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	20	2.5
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	20	2.5
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	20	2.5
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	20	2.5
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	10	2.5
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	10	2.5
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	10	2.5
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	10	2.5
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	10	2.5
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	10	2.5
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	9	2.5
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	9	2.5
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	9	2.5
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	9	2.5
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	17	2.5
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	17	2.5
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	15	2.5
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	15	2.5
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	15	2.5
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	15	2.5
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	15	2.5
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	15	2.5
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	15	2.5
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	15	2.5
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	15	2.5
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	15	2.5
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	15	2.5
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	15	2.5
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD11	14	2.5
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD12	14	2.5
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD13	14	2.5
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD21	14	2.5
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD22	14	2.5
(1,450)	1:439:A:ASP:HB2	1:444:A:LEU:HD23	14	2.5
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	6	2.49
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	6	2.49
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	6	2.49
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	6	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	6	2.49
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	6	2.49
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	15	2.49
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	15	2.49
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	10	2.49
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	10	2.49
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	15	2.49
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	15	2.49
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	15	2.49
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	5	2.49
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	5	2.49
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	5	2.49
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	5	2.49
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	5	2.49
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	5	2.49
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	5	2.49
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	5	2.49
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	5	2.49
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	5	2.49
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	5	2.49
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	5	2.49
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	14	2.48
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	14	2.48
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	14	2.48
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	14	2.48
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	12	2.48
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	12	2.48
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	20	2.48
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	20	2.48
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	16	2.47
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	16	2.47
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	15	2.47
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	15	2.47
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	15	2.47
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	15	2.47
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	15	2.47
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	15	2.47
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	15	2.47
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	15	2.47
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	15	2.47
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	15	2.47
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	15	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	15	2.47
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	13	2.46
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	13	2.46
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	18	2.46
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	18	2.46
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	7	2.46
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	7	2.46
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	7	2.46
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	7	2.46
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	7	2.46
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	7	2.46
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	14	2.46
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	14	2.46
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	14	2.46
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	14	2.46
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	14	2.46
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	14	2.46
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	3	2.46
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	3	2.46
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	20	2.46
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	20	2.46
(1,744)	1:412:A:LEU:HG	1:416:A:PHE:HB2	16	2.46
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	3	2.46
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	3	2.46
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	3	2.46
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	3	2.46
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	3	2.46
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	3	2.46
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	16	2.46
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	19	2.45
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	19	2.45
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	19	2.45
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	19	2.45
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	19	2.45
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	19	2.45
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	3	2.45
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	3	2.45
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	3	2.45
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	3	2.45
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	1	2.45
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	1	2.45
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	1	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	1	2.45
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	1	2.45
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	1	2.45
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	1	2.45
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	1	2.45
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	1	2.45
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	1	2.45
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	1	2.45
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	1	2.45
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	19	2.44
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	19	2.44
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	16	2.44
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	16	2.44
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	16	2.44
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	16	2.44
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	11	2.44
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	11	2.44
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	4	2.44
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	4	2.44
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	4	2.44
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	4	2.44
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	4	2.44
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	4	2.44
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	17	2.44
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	7	2.44
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	7	2.44
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	7	2.44
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	8	2.43
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	8	2.43
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	8	2.43
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	8	2.43
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	8	2.43
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	8	2.43
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	10	2.43
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	10	2.43
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	10	2.43
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	10	2.43
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	10	2.43
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	10	2.43
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	2	2.43
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	2	2.43
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	13	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	13	2.43
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	6	2.43
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	6	2.43
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	7	2.43
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	7	2.43
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	9	2.43
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	1	2.43
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	1	2.43
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	1	2.43
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	1	2.43
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	1	2.43
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	1	2.43
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	1	2.43
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	1	2.43
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	1	2.43
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	1	2.43
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	1	2.43
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	1	2.43
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	1	2.43
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	7	2.43
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	7	2.43
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	7	2.43
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	7	2.43
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	7	2.43
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	7	2.43
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	7	2.43
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	7	2.43
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	7	2.43
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	7	2.43
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	7	2.43
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	7	2.43
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	20	2.43
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	20	2.43
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	20	2.43
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	20	2.43
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	20	2.43
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	20	2.43
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	20	2.43
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	20	2.43
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	20	2.43
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	20	2.43
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	20	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	20	2.43
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	1	2.42
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	1	2.42
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	1	2.42
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	1	2.42
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	1	2.42
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	1	2.42
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	5	2.42
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	5	2.42
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	5	2.42
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	5	2.42
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	5	2.42
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	5	2.42
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	8	2.42
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	8	2.42
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	8	2.42
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	8	2.42
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	8	2.42
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	8	2.42
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	2	2.42
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	2	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	5	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	5	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	5	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	5	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	5	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	5	2.42
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	5	2.42
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	5	2.42
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	5	2.42
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	5	2.42
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	5	2.42
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	5	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	9	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	9	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	9	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	9	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	9	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	9	2.42
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	9	2.42
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	9	2.42
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	9	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	9	2.42
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	9	2.42
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	9	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	11	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	11	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	11	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	11	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	11	2.42
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	11	2.42
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	11	2.42
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	11	2.42
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	11	2.42
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	11	2.42
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	11	2.42
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	11	2.42
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	3	2.42
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	3	2.42
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	3	2.42
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	3	2.42
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	3	2.42
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	3	2.42
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	1	2.42
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	1	2.42
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	1	2.42
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	1	2.42
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	1	2.42
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	1	2.42
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	19	2.42
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	19	2.42
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	19	2.42
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	19	2.42
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	19	2.42
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	19	2.42
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	10	2.42
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	10	2.42
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	10	2.42
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	10	2.42
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	10	2.42
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	10	2.42
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	10	2.42
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	10	2.42
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	10	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	10	2.42
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	10	2.42
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	10	2.42
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	11	2.42
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	11	2.42
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	11	2.42
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	11	2.42
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	11	2.42
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	11	2.42
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	11	2.42
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	11	2.42
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	11	2.42
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	11	2.42
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	11	2.42
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	11	2.42
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	2	2.41
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	2	2.41
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	2	2.41
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	2	2.41
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	2	2.41
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	2	2.41
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	17	2.41
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	13	2.41
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	13	2.41
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	13	2.41
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	13	2.41
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	13	2.41
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	13	2.41
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	15	2.41
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	15	2.41
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	20	2.41
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	20	2.41
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	20	2.41
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	20	2.41
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	20	2.41
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	20	2.41
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	20	2.41
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	20	2.41
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	20	2.41
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	20	2.41
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	20	2.41
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	20	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	4	2.4
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	4	2.4
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	4	2.4
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	4	2.4
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	4	2.4
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	4	2.4
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	10	2.4
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	10	2.4
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	16	2.4
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	5	2.4
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	5	2.4
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	1	2.4
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	1	2.4
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	17	2.4
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	17	2.4
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	17	2.4
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	17	2.4
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	17	2.4
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	17	2.4
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	14	2.4
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	14	2.4
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	19	2.4
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	19	2.4
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	6	2.4
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	6	2.4
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	6	2.4
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	6	2.4
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	6	2.4
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	6	2.4
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	6	2.4
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	6	2.4
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	6	2.4
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	6	2.4
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	6	2.4
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	6	2.4
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	18	2.39
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	18	2.39
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	2	2.39
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	2	2.39
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	2	2.39
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	13	2.39
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	13	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	13	2.39
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	16	2.39
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	16	2.39
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	16	2.39
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	16	2.39
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	16	2.39
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	16	2.39
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	9	2.39
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	9	2.39
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	12	2.39
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	12	2.39
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	12	2.39
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	12	2.39
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	9	2.39
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	9	2.39
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	15	2.39
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	15	2.39
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	9	2.39
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	9	2.39
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	14	2.39
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	14	2.39
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	10	2.39
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	10	2.39
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	10	2.39
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	10	2.39
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	10	2.39
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	10	2.39
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	10	2.39
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	10	2.39
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	10	2.39
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	10	2.39
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	10	2.39
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	10	2.39
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	2	2.39
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	2	2.39
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	2	2.39
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	2	2.39
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	2	2.39
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	2	2.39
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	6	2.39
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	6	2.39
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	6	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	6	2.39
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	6	2.39
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	6	2.39
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	10	2.39
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	10	2.39
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	10	2.39
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	10	2.39
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	10	2.39
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	10	2.39
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	16	2.39
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	16	2.39
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	16	2.39
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	16	2.39
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	16	2.39
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	16	2.39
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	7	2.39
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	12	2.38
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	12	2.38
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	12	2.38
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	12	2.38
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	12	2.38
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	12	2.38
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	17	2.38
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	17	2.38
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	1	2.38
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	1	2.38
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	19	2.38
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	19	2.38
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	7	2.38
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	7	2.38
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	7	2.38
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	7	2.38
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	7	2.38
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	7	2.38
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	7	2.38
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	7	2.38
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	7	2.38
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	7	2.38
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	7	2.38
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	7	2.38
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	14	2.38
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	14	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	14	2.38
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	14	2.38
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	14	2.38
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	14	2.38
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	14	2.38
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	14	2.38
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	14	2.38
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	14	2.38
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	14	2.38
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	14	2.38
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	5	2.38
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	9	2.38
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	16	2.38
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	16	2.38
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	2	2.38
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	2	2.38
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	2	2.38
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	2	2.38
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	2	2.38
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	2	2.38
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	2	2.38
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	2	2.38
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	2	2.38
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	2	2.38
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	2	2.38
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	2	2.38
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	4	2.37
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	4	2.37
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	6	2.37
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	6	2.37
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	6	2.37
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	6	2.37
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	6	2.37
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	6	2.37
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	2	2.37
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	2	2.37
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	2	2.37
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	2	2.37
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	2	2.37
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	2	2.37
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	11	2.37
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	11	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	11	2.37
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	11	2.37
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	11	2.37
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	11	2.37
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	11	2.37
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	11	2.37
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	11	2.37
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	11	2.37
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	12	2.37
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	12	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	4	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	4	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	4	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	4	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	4	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	4	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	4	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	4	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	4	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	4	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	4	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	4	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	14	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	14	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	14	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	14	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	14	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	14	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	14	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	14	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	14	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	14	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	14	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	14	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	18	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	18	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	18	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	18	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	18	2.37
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	18	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	18	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	18	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	18	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	18	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	18	2.37
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	18	2.37
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	13	2.36
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	13	2.36
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	15	2.36
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	15	2.36
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	15	2.36
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	15	2.36
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	15	2.36
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	15	2.36
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	15	2.36
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	15	2.36
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	2	2.36
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	2	2.36
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	17	2.36
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	17	2.36
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	17	2.36
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	17	2.36
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	17	2.36
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	17	2.36
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	9	2.36
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	9	2.36
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	13	2.35
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	13	2.35
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	14	2.35
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	14	2.35
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	20	2.35
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	20	2.35
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	14	2.35
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	14	2.35
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	14	2.35
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	14	2.35
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	14	2.35
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	14	2.35
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	14	2.35
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	5	2.35
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	5	2.35
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	5	2.35
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	5	2.35
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	5	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	5	2.35
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	19	2.35
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	19	2.35
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	19	2.35
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	19	2.35
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	19	2.35
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	19	2.35
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	19	2.35
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	19	2.35
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	19	2.35
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	19	2.35
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	19	2.35
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	19	2.35
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	16	2.34
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	15	2.34
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	15	2.34
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	15	2.34
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	15	2.34
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	15	2.34
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	15	2.34
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	4	2.34
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	4	2.34
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	10	2.34
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	10	2.34
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	17	2.34
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	17	2.34
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	17	2.34
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	17	2.34
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	17	2.34
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	17	2.34
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	17	2.34
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	17	2.34
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	17	2.34
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	17	2.34
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	17	2.34
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	17	2.34
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	17	2.33
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	17	2.33
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	3	2.33
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	3	2.33
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	12	2.33
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	12	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	4	2.33
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	4	2.33
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	4	2.33
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	4	2.33
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	4	2.33
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	4	2.33
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	4	2.33
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	4	2.33
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	4	2.33
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	4	2.33
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	4	2.33
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	4	2.33
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	3	2.33
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	3	2.33
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	3	2.33
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	3	2.33
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	3	2.33
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	3	2.33
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	8	2.33
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	8	2.33
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	8	2.33
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	8	2.33
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	8	2.33
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	8	2.33
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	8	2.33
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	8	2.33
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	8	2.33
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	8	2.33
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	8	2.33
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	8	2.33
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	2	2.32
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	2	2.32
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	1	2.32
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	1	2.32
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	4	2.32
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	4	2.32
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	10	2.32
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	10	2.32
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	11	2.32
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	11	2.32
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	6	2.32
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	6	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	6	2.32
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	11	2.32
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	11	2.32
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	11	2.32
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	12	2.32
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	12	2.32
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	12	2.32
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	12	2.32
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	12	2.32
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	12	2.32
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	12	2.32
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	12	2.32
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	12	2.32
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	12	2.32
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	12	2.32
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	12	2.32
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	13	2.32
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	13	2.32
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	13	2.32
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	13	2.32
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	13	2.32
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	13	2.32
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	13	2.32
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	13	2.32
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	13	2.32
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	13	2.32
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	13	2.32
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	13	2.32
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	20	2.31
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	20	2.31
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	20	2.31
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	20	2.31
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	20	2.31
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	20	2.31
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	10	2.31
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	10	2.31
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	19	2.31
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	19	2.31
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	8	2.31
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	8	2.31
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	18	2.31
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	18	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	16	2.31
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	16	2.31
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	18	2.31
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	18	2.31
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	18	2.31
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	18	2.31
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	18	2.31
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	18	2.31
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	11	2.31
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	11	2.31
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	11	2.31
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	11	2.31
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	11	2.31
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	11	2.31
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	2	2.31
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	2	2.31
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	1	2.31
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	1	2.31
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	1	2.31
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	1	2.31
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	1	2.31
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	8	2.31
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	8	2.31
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	16	2.31
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	16	2.31
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	16	2.31
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	16	2.31
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	16	2.31
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	16	2.31
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	16	2.31
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	16	2.31
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	16	2.31
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	16	2.31
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	16	2.31
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	16	2.31
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	18	2.3
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	18	2.3
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	6	2.3
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	6	2.3
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	5	2.3
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	5	2.3
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	5	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	5	2.3
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	5	2.3
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	5	2.3
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	11	2.3
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	11	2.3
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	11	2.3
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	11	2.3
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	11	2.3
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	11	2.3
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	14	2.3
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	14	2.3
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	14	2.3
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	14	2.3
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	14	2.3
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	14	2.3
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	4	2.3
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	4	2.3
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	2	2.3
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	4	2.3
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	4	2.3
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	4	2.3
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	20	2.3
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	20	2.3
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	20	2.3
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	20	2.3
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	20	2.3
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	20	2.3
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	20	2.3
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	20	2.3
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	20	2.3
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	20	2.3
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	20	2.3
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	20	2.3
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	5	2.29
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	13	2.29
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	13	2.29
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	13	2.29
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	13	2.29
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	13	2.29
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	13	2.29
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	6	2.29
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	6	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	10	2.29
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	12	2.29
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	13	2.29
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	13	2.29
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	8	2.29
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	8	2.29
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	8	2.29
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	8	2.29
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	8	2.29
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	8	2.29
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	12	2.29
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	12	2.29
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	12	2.29
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	12	2.29
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	12	2.29
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	12	2.29
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	4	2.29
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	4	2.29
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	4	2.29
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	4	2.29
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	4	2.29
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	4	2.29
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	12	2.29
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	12	2.29
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	12	2.29
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	12	2.29
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	12	2.29
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	12	2.29
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	3	2.29
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	3	2.29
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	5	2.29
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	5	2.29
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	15	2.29
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	15	2.29
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	6	2.29
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	6	2.29
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	7	2.28
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	11	2.28
(1,1880)	1:412:A:LEU:HD11	1:416:A:PHE:H	9	2.28
(1,1880)	1:412:A:LEU:HD12	1:416:A:PHE:H	9	2.28
(1,1880)	1:412:A:LEU:HD13	1:416:A:PHE:H	9	2.28
(1,1880)	1:412:A:LEU:HD21	1:416:A:PHE:H	9	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1880)	1:412:A:LEU:HD22	1:416:A:PHE:H	9	2.28
(1,1880)	1:412:A:LEU:HD23	1:416:A:PHE:H	9	2.28
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	5	2.28
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	5	2.28
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	16	2.28
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	16	2.28
(1,1489)	1:481:A:LYS:HA	1:481:A:LYS:HD3	5	2.28
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	8	2.28
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	8	2.28
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	20	2.28
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	12	2.28
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	12	2.28
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	12	2.28
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	4	2.28
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	3	2.27
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	3	2.27
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	3	2.27
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	9	2.27
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	9	2.27
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	6	2.27
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	10	2.27
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	10	2.27
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	10	2.27
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	18	2.27
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	18	2.27
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	18	2.27
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	1	2.26
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	11	2.26
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	12	2.26
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	17	2.26
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	6	2.26
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	6	2.26
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	6	2.26
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	2	2.26
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	2	2.26
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	14	2.26
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	14	2.26
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	14	2.26
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	14	2.26
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	14	2.26
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	14	2.26
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	7	2.26
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	10	2.26
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	5	2.26
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	5	2.26
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	5	2.26
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	4	2.25
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	14	2.25
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	15	2.25
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	19	2.25
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	19	2.25
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	19	2.25
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	19	2.25
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	19	2.25
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	19	2.25
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	15	2.25
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	15	2.25
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	5	2.25
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	5	2.25
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	12	2.25
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	12	2.25
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	10	2.25
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	10	2.25
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	10	2.25
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	10	2.25
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	16	2.25
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	16	2.25
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	15	2.25
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	18	2.25
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	18	2.25
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	19	2.25
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	19	2.25
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	14	2.25
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	14	2.25
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	14	2.25
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	3	2.24
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	10	2.24
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	2	2.24
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	5	2.24
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	5	2.24
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	1	2.24
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	1	2.24
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	1	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	15	2.24
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	15	2.24
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	15	2.24
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	15	2.24
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	15	2.24
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	15	2.24
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	3	2.24
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	3	2.24
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	7	2.24
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	7	2.24
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	8	2.24
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	8	2.24
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	6	2.24
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	6	2.24
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	6	2.24
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	6	2.24
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	6	2.24
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	6	2.24
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	10	2.24
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	10	2.24
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	10	2.24
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	10	2.24
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	10	2.24
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	10	2.24
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	8	2.24
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	8	2.24
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	8	2.24
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	8	2.24
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	8	2.24
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	8	2.24
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	6	2.24
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	6	2.24
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	18	2.23
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	3	2.23
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	4	2.23
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	10	2.23
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	2	2.23
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	2	2.23
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	17	2.23
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	1	2.23
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	1	2.23
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	1	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	1	2.23
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	3	2.23
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	3	2.23
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	3	2.23
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	3	2.23
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	15	2.23
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	15	2.23
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	15	2.23
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	15	2.23
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	7	2.23
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	7	2.23
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	20	2.23
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	20	2.23
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	4	2.23
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	4	2.23
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	4	2.23
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	4	2.23
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	4	2.23
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	4	2.23
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	10	2.23
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	10	2.23
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	10	2.23
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	10	2.23
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	10	2.23
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	10	2.23
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	1	2.23
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	1	2.23
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	13	2.23
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	13	2.23
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	8	2.23
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	8	2.23
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	8	2.23
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	13	2.23
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	13	2.23
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	13	2.23
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE1	6	2.22
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE2	6	2.22
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	13	2.22
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	9	2.22
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	9	2.22
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	16	2.22
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	16	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	16	2.22
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	7	2.22
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	7	2.22
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	7	2.22
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	7	2.22
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	7	2.22
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	7	2.22
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	18	2.22
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	18	2.22
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	7	2.22
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	7	2.22
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	7	2.22
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	7	2.22
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	7	2.22
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	7	2.22
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	19	2.22
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	19	2.22
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	19	2.22
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	19	2.22
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	19	2.22
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	19	2.22
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	20	2.22
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	20	2.22
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	20	2.22
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	20	2.22
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	20	2.22
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	20	2.22
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	19	2.22
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	20	2.22
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	4	2.21
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	5	2.21
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	1	2.21
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	17	2.21
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	18	2.21
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	18	2.21
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	18	2.21
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	12	2.21
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	12	2.21
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	12	2.21
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	12	2.21
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	8	2.21
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	8	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1489)	1:481:A:LYS:HA	1:481:A:LYS:HD3	9	2.21
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	9	2.21
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	9	2.21
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	9	2.21
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	9	2.21
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	9	2.21
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	9	2.21
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	14	2.21
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	18	2.21
(1,166)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	18	2.21
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	3	2.21
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	3	2.21
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	3	2.21
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	3	2.21
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	3	2.21
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	3	2.21
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	3	2.21
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	3	2.21
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	3	2.21
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	3	2.21
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	3	2.21
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	3	2.21
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	3	2.2
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	10	2.2
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	10	2.2
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	1	2.2
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	1	2.2
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	1	2.2
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	1	2.2
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	1	2.2
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	1	2.2
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	9	2.2
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	9	2.2
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	9	2.2
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	9	2.2
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	9	2.2
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	9	2.2
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	20	2.2
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	20	2.2
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	20	2.2
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	20	2.2
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	20	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	20	2.2
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	5	2.2
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	5	2.2
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	5	2.2
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	5	2.2
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	5	2.2
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	5	2.2
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	19	2.2
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	19	2.2
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	19	2.2
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	19	2.2
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	19	2.2
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	19	2.2
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	5	2.19
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	5	2.19
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	5	2.19
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	12	2.19
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	12	2.19
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	12	2.19
(1,1683)	1:482:A:ARG:H	1:482:A:ARG:HG2	16	2.19
(1,1683)	1:482:A:ARG:H	1:482:A:ARG:HG3	16	2.19
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	7	2.19
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	7	2.19
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	7	2.19
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	7	2.19
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	19	2.19
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	19	2.19
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	19	2.19
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	19	2.19
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	15	2.19
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	15	2.19
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	15	2.19
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	15	2.19
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	15	2.19
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	15	2.19
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	18	2.19
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	18	2.19
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	18	2.19
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	18	2.19
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	18	2.19
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	18	2.19
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	10	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	10	2.19
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	3	2.19
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	20	2.19
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	20	2.19
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	20	2.19
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	6	2.19
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	6	2.19
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	6	2.19
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	6	2.19
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	6	2.19
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	6	2.19
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	6	2.19
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	6	2.19
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	6	2.19
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	6	2.19
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	6	2.19
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	6	2.19
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	20	2.18
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	20	2.18
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	9	2.18
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	11	2.18
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	11	2.18
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	11	2.18
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	19	2.18
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	19	2.18
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	19	2.18
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	18	2.18
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	18	2.18
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	18	2.18
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	18	2.18
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	18	2.18
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	18	2.18
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	18	2.18
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	16	2.18
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	16	2.18
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	16	2.18
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	16	2.18
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	16	2.18
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	16	2.18
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	8	2.18
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	8	2.18
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	8	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	8	2.18
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	8	2.18
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	8	2.18
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	10	2.18
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	10	2.18
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	7	2.18
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	7	2.18
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	7	2.18
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	7	2.18
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	7	2.18
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	7	2.18
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE1	2	2.17
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE2	2	2.17
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	6	2.17
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	6	2.17
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD2	7	2.17
(1,2158)	1:415:A:GLU:H	1:474:A:LYS:HD3	7	2.17
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	12	2.17
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	12	2.17
(1,1767)	1:413:A:PRO:HB2	1:414:A:GLN:H	4	2.17
(1,1767)	1:413:A:PRO:HB3	1:414:A:GLN:H	4	2.17
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	8	2.17
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	8	2.17
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	8	2.17
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	8	2.17
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	9	2.17
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	9	2.17
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	9	2.17
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	9	2.17
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	2	2.17
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	6	2.17
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	6	2.17
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	2	2.17
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	2	2.17
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	2	2.17
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	2	2.17
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	2	2.17
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	2	2.17
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	6	2.17
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	6	2.17
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	6	2.17
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	6	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	6	2.17
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	6	2.17
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	14	2.17
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	14	2.17
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	10	2.17
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	10	2.17
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	9	2.17
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	11	2.16
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	13	2.16
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	16	2.16
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	8	2.16
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	8	2.16
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	8	2.16
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	11	2.16
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	11	2.16
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	12	2.16
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	12	2.16
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	12	2.16
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	12	2.16
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	12	2.16
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	12	2.16
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	5	2.16
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	5	2.16
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	5	2.16
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	5	2.16
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	6	2.16
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	6	2.16
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	6	2.16
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	6	2.16
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	19	2.16
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	19	2.16
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	15	2.16
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	15	2.16
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	12	2.16
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	12	2.16
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	12	2.16
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	12	2.16
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	12	2.16
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	12	2.16
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	2	2.16
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	2	2.16
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	2	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	2	2.16
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	2	2.16
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	2	2.16
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	10	2.16
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	10	2.16
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	10	2.16
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	10	2.16
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	2	2.16
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	2	2.16
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	2	2.16
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	7	2.15
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	15	2.15
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	10	2.15
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	10	2.15
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	19	2.15
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	19	2.15
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	15	2.15
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	15	2.15
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	17	2.15
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	17	2.15
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	15	2.15
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	15	2.15
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	15	2.15
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	15	2.15
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	14	2.15
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	14	2.15
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	17	2.15
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	17	2.15
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	17	2.15
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	17	2.15
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	17	2.15
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	17	2.15
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	17	2.15
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	17	2.15
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	17	2.15
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	17	2.15
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	17	2.15
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	17	2.15
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	3	2.15
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	3	2.15
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	7	2.15
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	7	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	7	2.15
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	7	2.15
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	7	2.15
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	7	2.15
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	9	2.15
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	9	2.15
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	16	2.15
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	16	2.15
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	16	2.15
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	16	2.15
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	16	2.15
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	16	2.15
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	16	2.15
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	16	2.15
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	16	2.15
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	16	2.15
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	16	2.15
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	16	2.15
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	6	2.14
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	14	2.14
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	7	2.14
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	7	2.14
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	16	2.14
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	16	2.14
(1,381)	1:470:A:GLN:HG2	1:475:A:ARG:HD2	16	2.14
(1,381)	1:470:A:GLN:HG3	1:475:A:ARG:HD2	16	2.14
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	16	2.14
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	16	2.14
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	16	2.14
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	10	2.14
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	10	2.14
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	10	2.14
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	10	2.14
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	10	2.14
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	10	2.14
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	10	2.14
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	10	2.14
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	10	2.14
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	10	2.14
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	10	2.14
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	10	2.14
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	15	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	9	2.13
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	4	2.13
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	4	2.13
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	4	2.13
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	5	2.13
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	5	2.13
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	5	2.13
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	5	2.13
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	5	2.13
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	5	2.13
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	17	2.13
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	17	2.13
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	2	2.13
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	2	2.13
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	20	2.13
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	17	2.13
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	17	2.13
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	17	2.13
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	17	2.13
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	17	2.13
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	17	2.13
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	17	2.13
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	17	2.13
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	17	2.13
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	17	2.13
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	17	2.13
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	17	2.13
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	18	2.13
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	5	2.12
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	19	2.12
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	19	2.12
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	2	2.12
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	2	2.12
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	2	2.12
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	2	2.12
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	11	2.12
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	11	2.12
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	11	2.12
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	11	2.12
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	5	2.12
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	5	2.12
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	5	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	5	2.12
(1,885)	1:463:A:ILE:HD11	1:480:A:LEU:HA	10	2.12
(1,885)	1:463:A:ILE:HD12	1:480:A:LEU:HA	10	2.12
(1,885)	1:463:A:ILE:HD13	1:480:A:LEU:HA	10	2.12
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	13	2.12
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	13	2.12
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	13	2.12
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	13	2.12
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	13	2.12
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	13	2.12
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	13	2.12
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	13	2.12
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	13	2.12
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	13	2.12
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	13	2.12
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	13	2.12
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	19	2.12
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	10	2.11
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	11	2.11
(1,1525)	1:477:A:LYS:HD2	1:478:A:VAL:H	4	2.11
(1,1525)	1:477:A:LYS:HD3	1:478:A:VAL:H	4	2.11
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	4	2.11
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	4	2.11
(1,750)	1:412:A:LEU:HD11	1:416:A:PHE:HB3	13	2.11
(1,750)	1:412:A:LEU:HD12	1:416:A:PHE:HB3	13	2.11
(1,750)	1:412:A:LEU:HD13	1:416:A:PHE:HB3	13	2.11
(1,750)	1:412:A:LEU:HD21	1:416:A:PHE:HB3	13	2.11
(1,750)	1:412:A:LEU:HD22	1:416:A:PHE:HB3	13	2.11
(1,750)	1:412:A:LEU:HD23	1:416:A:PHE:HB3	13	2.11
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	17	2.11
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	17	2.11
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	11	2.11
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	11	2.11
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	11	2.11
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	11	2.11
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	11	2.11
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	11	2.11
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	11	2.11
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	11	2.11
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	11	2.11
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	11	2.11
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	11	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	11	2.11
(1,1769)	1:446:A:LYS:H	1:447:A:CYS:H	15	2.1
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	18	2.1
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	18	2.1
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	18	2.1
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	3	2.1
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	2	2.1
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	2	2.1
(1,1489)	1:481:A:LYS:HA	1:481:A:LYS:HD3	8	2.1
(1,1489)	1:481:A:LYS:HA	1:481:A:LYS:HD3	15	2.1
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	15	2.1
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	15	2.1
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	15	2.1
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	15	2.1
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	15	2.1
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	15	2.1
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	14	2.1
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	14	2.1
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	14	2.1
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	14	2.1
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	14	2.1
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	14	2.1
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	14	2.1
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	14	2.1
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	14	2.1
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	14	2.1
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	14	2.1
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	14	2.1
(1,2275)	1:419:A:GLN:H	1:419:A:GLN:HE22	6	2.09
(1,2275)	1:419:A:GLN:H	1:419:A:GLN:HE22	13	2.09
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	19	2.09
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	12	2.09
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	5	2.09
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	18	2.09
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	18	2.09
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	3	2.09
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	3	2.09
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	3	2.09
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	3	2.09
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	16	2.09
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	16	2.09
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	16	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	16	2.09
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	16	2.09
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	16	2.09
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	15	2.09
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	5	2.09
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	5	2.09
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	5	2.09
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	8	2.08
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	17	2.08
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	3	2.08
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	14	2.08
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	14	2.08
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	14	2.08
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	17	2.08
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	17	2.08
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	1	2.08
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	1	2.08
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	1	2.08
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	1	2.08
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	1	2.08
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	1	2.08
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	17	2.08
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	17	2.08
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	7	2.08
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	8	2.08
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	16	2.08
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	3	2.08
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	3	2.08
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	3	2.08
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	1	2.08
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	1	2.08
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	1	2.08
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	1	2.08
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	1	2.08
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	1	2.08
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	1	2.08
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	1	2.08
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	1	2.08
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	1	2.08
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	1	2.08
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	1	2.08
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	10	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	10	2.08
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	10	2.08
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	10	2.08
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	10	2.08
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	10	2.08
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	10	2.08
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	10	2.08
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	10	2.08
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	10	2.08
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	10	2.08
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	10	2.08
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	16	2.07
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	16	2.07
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	17	2.07
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	17	2.07
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	17	2.07
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	7	2.07
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	7	2.07
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	13	2.07
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	13	2.07
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	13	2.07
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	4	2.07
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	4	2.07
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	4	2.07
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	4	2.07
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	15	2.07
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	15	2.07
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	15	2.07
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	15	2.07
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	15	2.07
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	15	2.07
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	15	2.07
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	15	2.07
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	15	2.07
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	15	2.07
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	15	2.07
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	15	2.07
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	1	2.06
(1,460)	1:398:A:GLN:HA	1:433:A:SER:HB3	8	2.06
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	1	2.06
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	3	2.06
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	3	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	3	2.06
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	19	2.06
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	19	2.06
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	19	2.06
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	19	2.06
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	19	2.06
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	19	2.06
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	7	2.06
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	14	2.05
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	18	2.05
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	9	2.05
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	1	2.05
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	1	2.05
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	3	2.05
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	3	2.05
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	2	2.05
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	2	2.05
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	2	2.05
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	2	2.05
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	11	2.05
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	11	2.05
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	11	2.05
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	11	2.05
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	12	2.05
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	12	2.05
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	12	2.05
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	12	2.05
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD1	13	2.05
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD2	13	2.05
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	3	2.05
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	13	2.05
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	17	2.05
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	17	2.05
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	7	2.05
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	7	2.05
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	7	2.05
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	7	2.05
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	7	2.05
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	7	2.05
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	9	2.05
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	9	2.05
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	9	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	9	2.05
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	9	2.05
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	9	2.05
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	9	2.05
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	9	2.05
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	9	2.05
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	9	2.05
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	9	2.05
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	9	2.05
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	15	2.04
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	13	2.04
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	13	2.04
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	15	2.04
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	15	2.04
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	8	2.04
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	5	2.04
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	5	2.04
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	5	2.04
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	5	2.04
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	5	2.04
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	5	2.04
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	7	2.04
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	7	2.04
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	20	2.04
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	7	2.04
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	7	2.04
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	7	2.04
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	7	2.04
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	18	2.04
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	18	2.04
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	7	2.04
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	8	2.04
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	11	2.04
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	17	2.04
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	17	2.04
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	17	2.04
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	8	2.03
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	8	2.03
(1,2275)	1:419:A:GLN:H	1:419:A:GLN:HE22	18	2.03
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	14	2.03
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	14	2.03
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	6	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	6	2.03
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	7	2.03
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	7	2.03
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	7	2.03
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	6	2.03
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	6	2.03
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	3	2.03
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	7	2.03
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	7	2.03
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	8	2.03
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	8	2.03
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	13	2.03
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	13	2.03
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	13	2.03
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	13	2.03
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	13	2.03
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	13	2.03
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	5	2.03
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	2	2.03
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	2	2.03
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	2	2.03
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	2	2.03
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	2	2.03
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	2	2.03
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	2	2.03
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	2	2.03
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	2	2.03
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	2	2.03
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	2	2.03
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	2	2.03
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	18	2.03
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	18	2.03
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	18	2.03
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	18	2.03
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	18	2.03
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	18	2.03
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	18	2.03
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	18	2.03
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	18	2.03
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	18	2.03
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	18	2.03
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	18	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	20	2.03
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	20	2.03
(1,2275)	1:419:A:GLN:H	1:419:A:GLN:HE22	15	2.02
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	14	2.02
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	9	2.02
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	17	2.02
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	7	2.02
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	9	2.02
(1,1769)	1:446:A:LYS:H	1:447:A:CYS:H	18	2.02
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	20	2.02
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	20	2.02
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	7	2.02
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	7	2.02
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	11	2.02
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	11	2.02
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	11	2.02
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	11	2.02
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	5	2.02
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	5	2.02
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	5	2.02
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	5	2.02
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	4	2.02
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	5	2.02
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	5	2.02
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	9	2.02
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	9	2.02
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	9	2.02
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	9	2.02
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	9	2.02
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	9	2.02
(1,745)	1:412:A:LEU:HD11	1:416:A:PHE:HB2	13	2.02
(1,745)	1:412:A:LEU:HD12	1:416:A:PHE:HB2	13	2.02
(1,745)	1:412:A:LEU:HD13	1:416:A:PHE:HB2	13	2.02
(1,745)	1:412:A:LEU:HD21	1:416:A:PHE:HB2	13	2.02
(1,745)	1:412:A:LEU:HD22	1:416:A:PHE:HB2	13	2.02
(1,745)	1:412:A:LEU:HD23	1:416:A:PHE:HB2	13	2.02
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	20	2.02
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	3	2.02
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	3	2.02
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	7	2.02
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	7	2.02
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	7	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	7	2.02
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	7	2.02
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	7	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	7	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	7	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	7	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	7	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	7	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	7	2.02
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	11	2.02
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	11	2.02
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	11	2.02
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	11	2.02
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	11	2.02
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	11	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	11	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	11	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	11	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	11	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	11	2.02
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	11	2.02
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	1	2.02
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	1	2.02
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	1	2.02
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	1	2.02
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	1	2.02
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	1	2.02
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	1	2.02
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	1	2.02
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	1	2.02
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	1	2.02
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	1	2.02
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	1	2.02
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	11	2.01
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	11	2.01
(1,1844)	1:480:A:LEU:H	1:480:A:LEU:HG	2	2.01
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	5	2.01
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	5	2.01
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	19	2.01
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	17	2.01
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	17	2.01
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	20	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	20	2.01
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	20	2.01
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	20	2.01
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	20	2.01
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	20	2.01
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	18	2.01
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	18	2.01
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	18	2.01
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	18	2.01
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	18	2.01
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	18	2.01
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	18	2.01
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	18	2.01
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	18	2.01
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	18	2.01
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	18	2.01
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	18	2.01
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	14	2.01
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	14	2.01
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	14	2.01
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	14	2.01
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	4	2.01
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB2	20	2.01
(1,596)	1:469:A:PHE:HB2	1:476:A:LEU:HB3	20	2.01
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	4	2.01
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	12	2.01
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	19	2.01
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	17	2.01
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	17	2.01
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	17	2.01
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	17	2.01
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	17	2.01
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	17	2.01
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	17	2.01
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	17	2.01
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	17	2.01
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	17	2.01
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	17	2.01
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	17	2.01
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	1	2.0
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	1	2.0
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	8	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	8	2.0
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	9	2.0
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	9	2.0
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	9	2.0
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	9	2.0
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	14	2.0
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	13	2.0
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	13	2.0
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	13	2.0
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	13	2.0
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	16	2.0
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	16	2.0
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD1	2	2.0
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD2	2	2.0
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	17	2.0
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	17	2.0
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	17	2.0
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	17	2.0
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	17	2.0
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	17	2.0
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	1	2.0
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	2	2.0
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	2	2.0
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	12	2.0
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG2	14	1.99
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG3	14	1.99
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG2	14	1.99
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG3	14	1.99
(1,2275)	1:419:A:GLN:H	1:419:A:GLN:HE22	20	1.99
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	5	1.99
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	8	1.99
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	8	1.99
(1,1769)	1:446:A:LYS:H	1:447:A:CYS:H	19	1.99
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	16	1.99
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	13	1.99
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	13	1.99
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	18	1.99
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	1	1.99
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	6	1.99
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	6	1.99
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	18	1.99
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	18	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	18	1.99
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	18	1.99
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	18	1.99
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	18	1.99
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	2	1.99
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	5	1.99
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	5	1.99
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	5	1.99
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	5	1.99
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	5	1.99
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	5	1.99
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	5	1.99
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	5	1.99
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	5	1.99
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	5	1.99
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	5	1.99
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	5	1.99
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	6	1.98
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	6	1.98
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	10	1.98
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	18	1.98
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	16	1.98
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	11	1.98
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	11	1.98
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	9	1.98
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	9	1.98
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	8	1.98
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	8	1.98
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	12	1.98
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	12	1.98
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	2	1.98
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	2	1.98
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	17	1.98
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	17	1.98
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	18	1.98
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	18	1.98
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	20	1.98
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	20	1.98
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD2	14	1.98
(1,1533)	1:440:A:LYS:H	1:440:A:LYS:HD3	14	1.98
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	3	1.98
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	3	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	3	1.98
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	3	1.98
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	3	1.98
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	3	1.98
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	20	1.98
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	20	1.98
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	20	1.98
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	20	1.98
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	6	1.98
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	6	1.98
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	6	1.98
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	7	1.98
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	7	1.98
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	7	1.98
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	7	1.98
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	7	1.98
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	7	1.98
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	11	1.98
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	11	1.98
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	11	1.98
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	11	1.98
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	11	1.98
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	11	1.98
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	11	1.98
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	11	1.98
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	11	1.98
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	11	1.98
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	11	1.98
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	11	1.98
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	13	1.98
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	13	1.98
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	13	1.98
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	13	1.98
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	13	1.98
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	13	1.98
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	13	1.98
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	13	1.98
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	13	1.98
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	13	1.98
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	13	1.98
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	13	1.98
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	3	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	3	1.97
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	12	1.97
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	12	1.97
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	18	1.97
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	18	1.97
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	13	1.97
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	13	1.97
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	6	1.97
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	6	1.97
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	6	1.97
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	6	1.97
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	16	1.97
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	16	1.97
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	16	1.97
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	16	1.97
(1,1169)	1:398:A:GLN:HG2	1:399:A:LYS:H	9	1.97
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	13	1.97
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	13	1.97
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	13	1.97
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	9	1.97
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	9	1.97
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	9	1.97
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	15	1.97
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	15	1.97
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	15	1.97
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	15	1.97
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	15	1.97
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	15	1.97
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	12	1.97
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	12	1.97
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	12	1.97
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	12	1.97
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	12	1.97
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	12	1.97
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	12	1.97
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	12	1.97
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	12	1.97
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	12	1.97
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	12	1.97
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	12	1.97
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	1	1.96
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	4	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	4	1.96
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	6	1.96
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	6	1.96
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	3	1.96
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	3	1.96
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	12	1.96
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	12	1.96
(1,1631)	1:475:A:ARG:HG2	1:476:A:LEU:H	17	1.96
(1,1631)	1:475:A:ARG:HG3	1:476:A:LEU:H	17	1.96
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	16	1.96
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	12	1.96
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	12	1.96
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	11	1.96
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	11	1.96
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	7	1.96
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	7	1.96
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	7	1.96
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	7	1.96
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	18	1.96
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	18	1.96
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	18	1.96
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	18	1.96
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	3	1.96
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	3	1.96
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	3	1.96
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	3	1.96
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	3	1.96
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	3	1.96
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	3	1.96
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	3	1.96
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	3	1.96
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	3	1.96
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	3	1.96
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	3	1.96
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	2	1.96
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	2	1.96
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	2	1.96
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	2	1.96
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	2	1.96
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	2	1.96
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	2	1.96
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	2	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	2	1.96
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	2	1.96
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	2	1.96
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	2	1.96
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	4	1.96
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	4	1.96
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	4	1.96
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	4	1.96
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	4	1.96
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	4	1.96
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	4	1.96
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	4	1.96
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	4	1.96
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	4	1.96
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	4	1.96
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	4	1.96
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	12	1.95
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	17	1.95
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	11	1.95
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	6	1.95
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	6	1.95
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	14	1.95
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	14	1.95
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	1	1.95
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	1	1.95
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	9	1.95
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	9	1.95
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	3	1.95
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	3	1.95
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	9	1.95
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	9	1.95
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	6	1.95
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	6	1.95
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	6	1.95
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	6	1.95
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	5	1.95
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	5	1.95
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	5	1.95
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	5	1.95
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	5	1.95
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	5	1.95
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	14	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	14	1.95
(1,85)	1:480:A:LEU:HD11	1:481:A:LYS:H	14	1.95
(1,85)	1:480:A:LEU:HD12	1:481:A:LYS:H	14	1.95
(1,85)	1:480:A:LEU:HD13	1:481:A:LYS:H	14	1.95
(1,85)	1:480:A:LEU:HD21	1:481:A:LYS:H	14	1.95
(1,85)	1:480:A:LEU:HD22	1:481:A:LYS:H	14	1.95
(1,85)	1:480:A:LEU:HD23	1:481:A:LYS:H	14	1.95
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	6	1.95
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	10	1.95
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	16	1.95
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	17	1.94
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	6	1.94
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	2	1.94
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	1	1.94
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	1	1.94
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	15	1.94
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	15	1.94
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	15	1.94
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	3	1.94
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	3	1.94
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	1	1.94
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	1	1.94
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	11	1.94
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	11	1.94
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	6	1.94
(1,1631)	1:475:A:ARG:HG2	1:476:A:LEU:H	18	1.94
(1,1631)	1:475:A:ARG:HG3	1:476:A:LEU:H	18	1.94
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD2	1	1.94
(1,1589)	1:426:A:MET:HB2	1:427:A:PRO:HD3	1	1.94
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD2	1	1.94
(1,1589)	1:426:A:MET:HB3	1:427:A:PRO:HD3	1	1.94
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	1	1.94
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	7	1.94
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	7	1.94
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	7	1.94
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	7	1.94
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	15	1.94
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	15	1.94
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	15	1.94
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	15	1.94
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	8	1.94
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	5	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	5	1.94
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	18	1.94
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	18	1.94
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	15	1.94
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	15	1.94
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	15	1.94
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	15	1.94
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	19	1.94
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	19	1.94
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	19	1.94
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	19	1.94
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	1	1.94
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	1	1.94
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	20	1.94
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	20	1.94
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	20	1.94
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	8	1.94
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	8	1.94
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	8	1.94
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	8	1.94
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	8	1.94
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	8	1.94
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	8	1.94
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	8	1.94
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	8	1.94
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	8	1.94
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	8	1.94
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	8	1.94
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	14	1.94
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	5	1.93
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	5	1.93
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	20	1.93
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	20	1.93
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	20	1.93
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	20	1.93
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	20	1.93
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	20	1.93
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	20	1.93
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	20	1.93
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	20	1.93
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	10	1.93
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	10	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	11	1.93
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	11	1.93
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	19	1.93
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	19	1.93
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	2	1.93
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	12	1.93
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	9	1.93
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	12	1.93
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	8	1.93
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	8	1.93
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	8	1.93
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	8	1.93
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	4	1.93
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	4	1.93
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	17	1.93
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	17	1.93
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	16	1.93
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	16	1.93
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	13	1.93
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	13	1.93
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	13	1.93
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	3	1.93
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	3	1.93
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	3	1.93
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	3	1.93
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	3	1.93
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	3	1.93
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	3	1.93
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	3	1.93
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	3	1.93
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	3	1.93
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	3	1.93
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	3	1.93
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	5	1.93
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	5	1.93
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	5	1.93
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	5	1.93
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	5	1.93
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	5	1.93
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	5	1.93
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	5	1.93
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	5	1.93
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	5	1.93
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	5	1.93
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	8	1.93
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	19	1.92
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	20	1.92
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	20	1.92
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	15	1.92
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	15	1.92
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	17	1.92
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	17	1.92
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	12	1.92
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	15	1.92
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	15	1.92
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	13	1.92
(1,1631)	1:475:A:ARG:HG2	1:476:A:LEU:H	1	1.92
(1,1631)	1:475:A:ARG:HG3	1:476:A:LEU:H	1	1.92
(1,1631)	1:475:A:ARG:HG2	1:476:A:LEU:H	12	1.92
(1,1631)	1:475:A:ARG:HG3	1:476:A:LEU:H	12	1.92
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	6	1.92
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	6	1.92
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	6	1.92
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	4	1.92
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	4	1.92
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	5	1.92
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	5	1.92
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	16	1.92
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	16	1.92
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	8	1.92
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	8	1.92
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	4	1.92
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	4	1.92
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	4	1.92
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	4	1.92
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	19	1.92
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	19	1.92
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	19	1.92
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	19	1.92
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	17	1.92
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	17	1.92
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	19	1.92
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	11	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	11	1.92
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	11	1.92
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	2	1.92
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	2	1.92
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	12	1.92
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	12	1.92
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	19	1.92
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	19	1.92
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	13	1.92
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	4	1.92
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	2	1.92
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	2	1.92
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	2	1.92
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	7	1.91
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	11	1.91
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	11	1.91
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	11	1.91
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	11	1.91
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	11	1.91
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	11	1.91
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	6	1.91
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	1	1.91
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	15	1.91
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	10	1.91
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	10	1.91
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	10	1.91
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	18	1.91
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	18	1.91
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	1	1.91
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	1	1.91
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	16	1.91
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	16	1.91
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	14	1.91
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	14	1.91
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	4	1.91
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	18	1.91
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	18	1.91
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	18	1.91
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	4	1.91
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	13	1.91
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	10	1.91
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	10	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	10	1.91
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	10	1.91
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	10	1.91
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	10	1.91
(1,1489)	1:481:A:LYS:HA	1:481:A:LYS:HD3	17	1.91
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	10	1.91
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	10	1.91
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	10	1.91
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	10	1.91
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	19	1.91
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	19	1.91
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	18	1.91
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	18	1.91
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	7	1.91
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	7	1.91
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	13	1.91
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	18	1.91
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	18	1.91
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	18	1.91
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	18	1.91
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	19	1.91
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	16	1.91
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	16	1.91
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	16	1.91
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	15	1.9
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	15	1.9
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	10	1.9
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	10	1.9
(1,2275)	1:419:A:GLN:H	1:419:A:GLN:HE22	7	1.9
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	1	1.9
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	13	1.9
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	9	1.9
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	9	1.9
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	5	1.9
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	5	1.9
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	4	1.9
(1,1682)	1:482:A:ARG:HG2	1:483:A:SER:HB2	10	1.9
(1,1682)	1:482:A:ARG:HG2	1:483:A:SER:HB3	10	1.9
(1,1682)	1:482:A:ARG:HG3	1:483:A:SER:HB2	10	1.9
(1,1682)	1:482:A:ARG:HG3	1:483:A:SER:HB3	10	1.9
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	7	1.9
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	7	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	7	1.9
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	7	1.9
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	7	1.9
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	7	1.9
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	8	1.9
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	8	1.9
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	8	1.9
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	8	1.9
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	8	1.9
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	8	1.9
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	15	1.9
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	1	1.9
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	1	1.9
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	1	1.9
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	1	1.9
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	14	1.9
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	14	1.9
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	1	1.9
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	1	1.9
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	4	1.9
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	4	1.9
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	4	1.9
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	6	1.9
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	18	1.9
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	16	1.9
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	16	1.9
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	16	1.9
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	1	1.9
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	1	1.9
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	1	1.9
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	1	1.9
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	1	1.9
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	1	1.9
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	1	1.9
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	1	1.9
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	1	1.9
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	1	1.9
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	1	1.9
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	1	1.9
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE1	18	1.89
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE2	18	1.89
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	16	1.89
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	7	1.89
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	7	1.89
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	3	1.89
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	19	1.89
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	13	1.89
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	13	1.89
(1,1844)	1:480:A:LEU:H	1:480:A:LEU:HG	20	1.89
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	2	1.89
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	2	1.89
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	13	1.89
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	13	1.89
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	14	1.89
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	4	1.89
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	9	1.89
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	2	1.89
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	2	1.89
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	2	1.89
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	2	1.89
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	2	1.89
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	2	1.89
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	17	1.89
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	17	1.89
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	17	1.89
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	17	1.89
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	17	1.89
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	17	1.89
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	1	1.89
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	12	1.89
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	12	1.89
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	1	1.89
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	18	1.89
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	18	1.89
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	18	1.89
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	13	1.89
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	13	1.89
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	16	1.89
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	16	1.89
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	18	1.89
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	5	1.89
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	5	1.89
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	3	1.89
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	3	1.89
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	7	1.89
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	7	1.89
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	7	1.89
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	3	1.89
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	3	1.89
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	3	1.89
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	3	1.89
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	3	1.89
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	3	1.89
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	3	1.89
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	3	1.89
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	3	1.89
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	3	1.89
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	3	1.89
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	3	1.89
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	15	1.89
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	15	1.89
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	15	1.89
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	15	1.89
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	15	1.89
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	15	1.89
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	15	1.89
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	15	1.89
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	15	1.89
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	15	1.89
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	15	1.89
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	15	1.89
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	16	1.89
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	16	1.89
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	16	1.89
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	16	1.89
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	16	1.89
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	16	1.89
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	16	1.89
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	16	1.89
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	16	1.89
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	16	1.89
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	16	1.89
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	16	1.89
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	2	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	6	1.88
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG2	9	1.88
(1,1743)	1:440:A:LYS:H	1:440:A:LYS:HG3	9	1.88
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	19	1.88
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	19	1.88
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	8	1.88
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	15	1.88
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	15	1.88
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	15	1.88
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	15	1.88
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	15	1.88
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	15	1.88
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	15	1.88
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	15	1.88
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	2	1.88
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	18	1.88
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	18	1.88
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	18	1.88
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	18	1.88
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	10	1.88
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	10	1.88
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	13	1.88
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	8	1.88
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	8	1.88
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	11	1.88
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	11	1.88
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	14	1.88
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	14	1.88
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	14	1.88
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	14	1.88
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	14	1.88
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	14	1.88
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	11	1.88
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	11	1.88
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	11	1.88
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	9	1.88
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	9	1.88
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	9	1.88
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	9	1.88
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	9	1.88
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	9	1.88
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	9	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	9	1.88
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	9	1.88
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	9	1.88
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	9	1.88
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	9	1.88
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	9	1.88
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	9	1.88
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	9	1.88
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	19	1.88
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	19	1.88
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	19	1.88
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	19	1.88
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	19	1.88
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	19	1.88
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	19	1.88
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	19	1.88
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	19	1.88
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	19	1.88
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	19	1.88
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	19	1.88
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	17	1.88
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	11	1.87
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	3	1.87
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	3	1.87
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	3	1.87
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	3	1.87
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	3	1.87
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	3	1.87
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	20	1.87
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	1	1.87
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	1	1.87
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	1	1.87
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	9	1.87
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	9	1.87
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	9	1.87
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	13	1.87
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	13	1.87
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	19	1.87
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	19	1.87
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	11	1.87
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	11	1.87
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	1	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	1	1.87
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	3	1.87
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	3	1.87
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	4	1.87
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	4	1.87
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	11	1.87
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	11	1.87
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	2	1.87
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	2	1.87
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	2	1.87
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	14	1.87
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	14	1.87
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	14	1.87
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	9	1.87
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	14	1.87
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	14	1.87
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	14	1.87
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	14	1.87
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	10	1.87
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	10	1.87
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	10	1.87
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	7	1.87
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	7	1.87
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	7	1.87
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	7	1.87
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	7	1.87
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	7	1.87
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	7	1.87
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	7	1.87
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	7	1.87
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	7	1.87
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	7	1.87
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	7	1.87
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	14	1.86
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	3	1.86
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	20	1.86
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	3	1.86
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	3	1.86
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	3	1.86
(1,1683)	1:482:A:ARG:H	1:482:A:ARG:HG2	4	1.86
(1,1683)	1:482:A:ARG:H	1:482:A:ARG:HG3	4	1.86
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	10	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	10	1.86
(1,1631)	1:475:A:ARG:HG2	1:476:A:LEU:H	3	1.86
(1,1631)	1:475:A:ARG:HG3	1:476:A:LEU:H	3	1.86
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	6	1.86
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	5	1.86
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	2	1.86
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	2	1.86
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	6	1.86
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	6	1.86
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	6	1.86
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	6	1.86
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	6	1.86
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	6	1.86
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	17	1.86
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	2	1.86
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	2	1.86
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	10	1.86
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	10	1.86
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	10	1.86
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	16	1.86
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	16	1.86
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	17	1.86
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	17	1.86
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	11	1.86
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	11	1.86
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	16	1.86
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	16	1.86
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	16	1.86
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	14	1.86
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	11	1.86
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	11	1.86
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	11	1.86
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	13	1.86
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	13	1.86
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	8	1.86
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	8	1.86
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	8	1.86
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	8	1.86
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	8	1.86
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	8	1.86
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	8	1.86
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	8	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	8	1.86
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	8	1.86
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	8	1.86
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	8	1.86
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	18	1.86
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	18	1.86
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	18	1.86
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	18	1.86
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	18	1.86
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	18	1.86
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	18	1.86
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	18	1.86
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	18	1.86
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	18	1.86
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	18	1.86
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	18	1.86
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	7	1.85
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	7	1.85
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	7	1.85
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	7	1.85
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	7	1.85
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	7	1.85
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	20	1.85
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	20	1.85
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	15	1.85
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	15	1.85
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	15	1.85
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	11	1.85
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	3	1.85
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	3	1.85
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	11	1.85
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	11	1.85
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	12	1.85
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	12	1.85
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	12	1.85
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	12	1.85
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	12	1.85
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	12	1.85
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	19	1.85
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	19	1.85
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	19	1.85
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	5	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	5	1.85
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	5	1.85
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	11	1.85
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	11	1.85
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	15	1.85
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	12	1.85
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	19	1.85
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	19	1.85
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	19	1.85
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	1	1.85
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	1	1.85
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	1	1.85
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	12	1.85
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	12	1.85
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	12	1.85
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	13	1.85
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	13	1.85
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	13	1.85
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	17	1.85
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	17	1.85
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	10	1.85
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	10	1.85
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	7	1.84
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	7	1.84
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	17	1.84
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	1	1.84
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	1	1.84
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	1	1.84
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	11	1.84
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	11	1.84
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	11	1.84
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	16	1.84
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	16	1.84
(1,1631)	1:475:A:ARG:HG2	1:476:A:LEU:H	15	1.84
(1,1631)	1:475:A:ARG:HG3	1:476:A:LEU:H	15	1.84
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	16	1.84
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	16	1.84
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	20	1.84
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	9	1.84
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	9	1.84
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	9	1.84
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	9	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	17	1.84
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	17	1.84
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	17	1.84
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	17	1.84
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE1	18	1.84
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE2	18	1.84
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE1	18	1.84
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE2	18	1.84
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	10	1.84
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	10	1.84
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	3	1.84
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	3	1.84
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	1	1.84
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	1	1.84
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	2	1.84
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	2	1.84
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	8	1.84
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	8	1.84
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	15	1.84
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	15	1.84
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	10	1.84
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	10	1.84
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	10	1.84
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	10	1.84
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	14	1.84
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	14	1.84
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	2	1.84
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	2	1.84
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	2	1.84
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	2	1.84
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	2	1.84
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	2	1.84
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	10	1.84
(1,284)	1:434:A:ALA:HB1	1:451:A:VAL:HB	17	1.84
(1,284)	1:434:A:ALA:HB2	1:451:A:VAL:HB	17	1.84
(1,284)	1:434:A:ALA:HB3	1:451:A:VAL:HB	17	1.84
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	10	1.84
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	10	1.84
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	10	1.84
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	18	1.84
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	18	1.84
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	18	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	18	1.84
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	18	1.84
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	18	1.84
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	12	1.83
(1,2177)	1:467:A:ASN:H	1:467:A:ASN:HD21	8	1.83
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	10	1.83
(1,1631)	1:475:A:ARG:HG2	1:476:A:LEU:H	13	1.83
(1,1631)	1:475:A:ARG:HG3	1:476:A:LEU:H	13	1.83
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	10	1.83
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	17	1.83
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	6	1.83
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	6	1.83
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	18	1.83
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	9	1.83
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	9	1.83
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	9	1.83
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	6	1.83
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	13	1.83
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	13	1.83
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	8	1.83
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	8	1.83
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	8	1.83
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	8	1.83
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	5	1.83
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	18	1.83
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	18	1.83
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	18	1.83
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	8	1.83
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	8	1.83
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	8	1.83
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	12	1.83
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	12	1.83
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	16	1.82
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	16	1.82
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	8	1.82
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	8	1.82
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	8	1.82
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	8	1.82
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	8	1.82
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	8	1.82
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	9	1.82
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	9	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	9	1.82
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	9	1.82
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	9	1.82
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	9	1.82
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	14	1.82
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	14	1.82
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	14	1.82
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	5	1.82
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	5	1.82
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	20	1.82
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	20	1.82
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	10	1.82
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	10	1.82
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	10	1.82
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	14	1.82
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	14	1.82
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	17	1.82
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	17	1.82
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	17	1.82
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	15	1.82
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	15	1.82
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	15	1.82
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	15	1.82
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	15	1.82
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	15	1.82
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	15	1.82
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	15	1.82
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	15	1.82
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	15	1.82
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	15	1.82
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	15	1.82
(1,2283)	1:423:A:GLN:HB2	1:423:A:GLN:HE21	20	1.81
(1,2283)	1:423:A:GLN:HB3	1:423:A:GLN:HE21	20	1.81
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	16	1.81
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	16	1.81
(1,1631)	1:475:A:ARG:HG2	1:476:A:LEU:H	4	1.81
(1,1631)	1:475:A:ARG:HG3	1:476:A:LEU:H	4	1.81
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	18	1.81
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	14	1.81
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	14	1.81
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	13	1.81
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	13	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	16	1.81
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	16	1.81
(1,791)	1:484:A:LYS:HG2	1:485:A:ASN:HB2	7	1.81
(1,791)	1:484:A:LYS:HG3	1:485:A:ASN:HB2	7	1.81
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	4	1.81
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	4	1.81
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	18	1.81
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	18	1.81
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	20	1.81
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	20	1.81
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	20	1.81
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	11	1.81
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	5	1.8
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	10	1.8
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	1	1.8
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB2	10	1.8
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB3	10	1.8
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	20	1.8
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	8	1.8
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	8	1.8
(1,1790)	1:408:A:PHE:HD1	1:451:A:VAL:H	3	1.8
(1,1790)	1:408:A:PHE:HD2	1:451:A:VAL:H	3	1.8
(1,1631)	1:475:A:ARG:HG2	1:476:A:LEU:H	11	1.8
(1,1631)	1:475:A:ARG:HG3	1:476:A:LEU:H	11	1.8
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	10	1.8
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	10	1.8
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	10	1.8
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	11	1.8
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	11	1.8
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	11	1.8
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	19	1.8
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	19	1.8
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	19	1.8
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	6	1.8
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	14	1.8
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	1	1.8
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	18	1.8
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	18	1.8
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	18	1.8
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	13	1.8
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	13	1.8
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	13	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	13	1.8
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	13	1.8
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	13	1.8
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	12	1.8
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	12	1.8
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	13	1.8
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	13	1.8
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	13	1.8
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	17	1.8
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	20	1.8
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	7	1.8
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	7	1.8
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	7	1.8
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	13	1.8
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	13	1.8
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	13	1.8
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	1	1.8
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	1	1.8
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	1	1.8
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	6	1.8
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	6	1.8
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	6	1.8
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	15	1.79
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	15	1.79
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	11	1.79
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	11	1.79
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	11	1.79
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	11	1.79
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	11	1.79
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	11	1.79
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	12	1.79
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	19	1.79
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG2	20	1.79
(1,1363)	1:425:A:PHE:HE1	1:466:A:MET:HG3	20	1.79
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG2	20	1.79
(1,1363)	1:425:A:PHE:HE2	1:466:A:MET:HG3	20	1.79
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	17	1.79
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	17	1.79
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	17	1.79
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	17	1.79
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	17	1.79
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	17	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	15	1.79
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	15	1.79
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	15	1.79
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	12	1.79
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	12	1.79
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	12	1.79
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	12	1.79
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	4	1.79
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	4	1.79
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	1	1.79
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	1	1.79
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	1	1.79
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	1	1.79
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	1	1.79
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	1	1.79
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	10	1.79
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	10	1.79
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	10	1.79
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	10	1.79
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	10	1.79
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	10	1.79
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	17	1.79
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	17	1.79
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	8	1.78
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	10	1.78
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	10	1.78
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	10	1.78
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	10	1.78
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	10	1.78
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	10	1.78
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	7	1.78
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	7	1.78
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	7	1.78
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	20	1.78
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	20	1.78
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	20	1.78
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	19	1.78
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	13	1.78
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	19	1.78
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	4	1.78
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	14	1.78
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	1	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	1	1.78
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	1	1.78
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	1	1.78
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	1	1.78
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	1	1.78
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	14	1.78
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	14	1.78
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	1	1.78
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	2	1.78
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	18	1.78
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	4	1.78
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	4	1.78
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	4	1.78
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	5	1.78
(1,723)	1:413:A:PRO:HB2	1:471:A:ILE:HB	20	1.78
(1,723)	1:413:A:PRO:HB3	1:471:A:ILE:HB	20	1.78
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	13	1.78
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	13	1.78
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	13	1.78
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	10	1.78
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	10	1.78
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	10	1.78
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	20	1.78
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	20	1.78
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	1	1.78
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	1	1.78
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	1	1.78
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	17	1.78
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	17	1.78
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	17	1.78
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	17	1.78
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	17	1.78
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	17	1.78
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	17	1.78
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	17	1.78
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	17	1.78
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	17	1.78
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	17	1.78
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	17	1.78
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	19	1.78
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	19	1.78
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	19	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	19	1.78
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	19	1.78
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	19	1.78
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	19	1.78
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	19	1.78
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	19	1.78
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	19	1.78
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	19	1.78
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	19	1.78
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	19	1.77
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	6	1.77
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	1	1.77
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	2	1.77
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	5	1.77
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	20	1.77
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	9	1.77
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	9	1.77
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	9	1.77
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	9	1.77
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	9	1.77
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	9	1.77
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	14	1.77
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	14	1.77
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	14	1.77
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	2	1.77
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	2	1.77
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	2	1.77
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	3	1.77
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	3	1.77
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	3	1.77
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	17	1.77
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	17	1.77
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	5	1.77
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	5	1.77
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	5	1.77
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	5	1.77
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	5	1.77
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	5	1.77
(1,1490)	1:481:A:LYS:HA	1:481:A:LYS:HD2	8	1.77
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	3	1.77
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	4	1.77
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	9	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	11	1.77
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	3	1.77
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	14	1.77
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	18	1.77
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	18	1.77
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	18	1.77
(1,1169)	1:398:A:GLN:HG2	1:399:A:LYS:H	15	1.77
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	3	1.77
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	3	1.77
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	7	1.77
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	7	1.77
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	12	1.77
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	4	1.77
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	4	1.77
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	4	1.77
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	4	1.77
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	1	1.77
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	1	1.77
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	19	1.77
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	19	1.77
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	13	1.77
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	17	1.77
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	19	1.77
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	19	1.77
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	16	1.77
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	16	1.77
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	16	1.77
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	4	1.77
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	4	1.77
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	4	1.77
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	18	1.77
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	18	1.77
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	18	1.77
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	19	1.77
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	19	1.77
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	19	1.77
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	12	1.77
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	12	1.77
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	12	1.77
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	1	1.76
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	1	1.76
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	2	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	6	1.76
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	6	1.76
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	6	1.76
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	6	1.76
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	6	1.76
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	6	1.76
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	8	1.76
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	7	1.76
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	13	1.76
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	15	1.76
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	8	1.76
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	8	1.76
(1,1844)	1:480:A:LEU:H	1:480:A:LEU:HG	1	1.76
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	13	1.76
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	8	1.76
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	8	1.76
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	8	1.76
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	12	1.76
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	12	1.76
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	8	1.76
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	15	1.76
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	16	1.76
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	5	1.76
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	10	1.76
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	9	1.76
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	9	1.76
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	9	1.76
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	8	1.76
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	8	1.76
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	6	1.76
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	19	1.76
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	15	1.76
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	15	1.76
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	15	1.76
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	19	1.76
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	19	1.76
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	19	1.76
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	19	1.76
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	6	1.76
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	6	1.76
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	12	1.76
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	12	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	16	1.76
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	16	1.76
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	2	1.76
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	2	1.76
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	2	1.76
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	2	1.76
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	1	1.76
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	1	1.76
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	1	1.76
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	1	1.76
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	1	1.76
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	1	1.76
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	4	1.76
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	4	1.76
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	4	1.76
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	6	1.76
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	6	1.76
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	5	1.76
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	5	1.76
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	5	1.76
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	7	1.76
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	7	1.76
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	7	1.76
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	20	1.76
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	20	1.76
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	20	1.76
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	9	1.76
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	9	1.76
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	9	1.76
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	9	1.76
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	9	1.76
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	9	1.76
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	6	1.76
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	6	1.76
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	6	1.76
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	6	1.76
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	6	1.76
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	6	1.76
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	6	1.76
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	6	1.76
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	6	1.76
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	6	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	6	1.76
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	6	1.76
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	12	1.76
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	12	1.76
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	12	1.76
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	12	1.76
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	12	1.76
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	12	1.76
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	12	1.76
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	12	1.76
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	12	1.76
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	12	1.76
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	12	1.76
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	12	1.76
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	15	1.75
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	15	1.75
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	15	1.75
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	15	1.75
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	15	1.75
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	15	1.75
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	18	1.75
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	19	1.75
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	3	1.75
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	19	1.75
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	19	1.75
(1,1647)	1:419:A:GLN:HB2	1:419:A:GLN:HE22	5	1.75
(1,1647)	1:419:A:GLN:HB2	1:419:A:GLN:HE22	19	1.75
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	14	1.75
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	14	1.75
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	14	1.75
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	7	1.75
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	15	1.75
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	19	1.75
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	19	1.75
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	19	1.75
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	19	1.75
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	19	1.75
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	19	1.75
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	10	1.75
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	3	1.75
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	3	1.75
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	3	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	3	1.75
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	3	1.75
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	3	1.75
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	6	1.75
(1,885)	1:463:A:ILE:HD11	1:480:A:LEU:HA	3	1.75
(1,885)	1:463:A:ILE:HD12	1:480:A:LEU:HA	3	1.75
(1,885)	1:463:A:ILE:HD13	1:480:A:LEU:HA	3	1.75
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	20	1.75
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	20	1.75
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	7	1.75
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	20	1.75
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	20	1.75
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	20	1.75
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	20	1.75
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	19	1.75
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	15	1.75
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	15	1.75
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	15	1.75
(1,317)	1:435:A:LYS:HG3	1:450:A:PHE:HB2	17	1.75
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	9	1.75
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	9	1.75
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	9	1.75
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	11	1.75
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	11	1.75
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	18	1.75
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	18	1.75
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD11	6	1.75
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD12	6	1.75
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD13	6	1.75
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD21	6	1.75
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD22	6	1.75
(1,94)	1:413:A:PRO:HD2	1:476:A:LEU:HD23	6	1.75
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD11	6	1.75
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD12	6	1.75
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD13	6	1.75
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD21	6	1.75
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD22	6	1.75
(1,94)	1:413:A:PRO:HD3	1:476:A:LEU:HD23	6	1.75
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	18	1.75
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	1	1.74
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	11	1.74
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	7	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	6	1.74
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	19	1.74
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	19	1.74
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	19	1.74
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	19	1.74
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	19	1.74
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	19	1.74
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	17	1.74
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	17	1.74
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	17	1.74
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	17	1.74
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	13	1.74
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	13	1.74
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	13	1.74
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	14	1.74
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	17	1.74
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	17	1.74
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	5	1.74
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	20	1.74
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	18	1.74
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	19	1.74
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	19	1.74
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	10	1.74
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	10	1.74
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	20	1.74
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	2	1.74
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	2	1.74
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	10	1.74
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	10	1.74
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	11	1.74
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	11	1.74
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	8	1.74
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	8	1.74
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	8	1.74
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	8	1.74
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	8	1.74
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	15	1.74
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	15	1.74
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	15	1.74
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	19	1.74
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	19	1.74
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	19	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	17	1.74
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	17	1.74
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	17	1.74
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	14	1.74
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	14	1.74
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	14	1.74
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	14	1.74
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	14	1.74
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	14	1.74
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	14	1.74
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	14	1.74
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	14	1.74
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	14	1.74
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	14	1.74
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	14	1.74
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	5	1.73
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	3	1.73
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	8	1.73
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	9	1.73
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	9	1.73
(1,1647)	1:419:A:GLN:HB2	1:419:A:GLN:HE22	1	1.73
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	20	1.73
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	20	1.73
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	2	1.73
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	16	1.73
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	16	1.73
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	16	1.73
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	17	1.73
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	17	1.73
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	17	1.73
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	18	1.73
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	8	1.73
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	8	1.73
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	17	1.73
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	17	1.73
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	10	1.73
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	10	1.73
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	10	1.73
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	10	1.73
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	10	1.73
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	10	1.73
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	14	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	14	1.73
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	14	1.73
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	3	1.73
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	3	1.73
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	3	1.73
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	7	1.73
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	7	1.73
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	18	1.73
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	18	1.73
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	6	1.73
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	12	1.72
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	16	1.72
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	16	1.72
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD11	17	1.72
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD12	17	1.72
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD13	17	1.72
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD21	17	1.72
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD22	17	1.72
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD23	17	1.72
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	14	1.72
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	14	1.72
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	4	1.72
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	4	1.72
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	4	1.72
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	16	1.72
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	16	1.72
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	16	1.72
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	17	1.72
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	17	1.72
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	17	1.72
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	1	1.72
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE1	15	1.72
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE2	15	1.72
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE1	15	1.72
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE2	15	1.72
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	14	1.72
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	1	1.72
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	1	1.72
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	1	1.72
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	3	1.72
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	3	1.72
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	3	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	9	1.72
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	9	1.72
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	9	1.72
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	5	1.72
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	7	1.72
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	8	1.72
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	10	1.72
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	8	1.72
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	8	1.72
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	8	1.72
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	20	1.72
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	20	1.72
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	20	1.72
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	14	1.72
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	14	1.72
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	14	1.72
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	14	1.72
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	15	1.72
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	15	1.72
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	15	1.72
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	15	1.72
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	10	1.72
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	11	1.72
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	11	1.72
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	14	1.72
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	14	1.72
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	14	1.72
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	10	1.72
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	10	1.72
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	10	1.72
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	10	1.72
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	10	1.72
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	10	1.72
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	18	1.72
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	18	1.72
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	18	1.72
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	19	1.72
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	19	1.72
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	19	1.72
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	2	1.72
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	2	1.72
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	2	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	2	1.72
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	2	1.72
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	2	1.72
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	2	1.72
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	2	1.72
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	2	1.72
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	2	1.72
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	2	1.72
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	2	1.72
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	5	1.72
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	5	1.72
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	5	1.72
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	5	1.72
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	5	1.72
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	5	1.72
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	5	1.72
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	5	1.72
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	5	1.72
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	5	1.72
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	5	1.72
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	5	1.72
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	17	1.71
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	17	1.71
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	17	1.71
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	17	1.71
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	17	1.71
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	17	1.71
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	14	1.71
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	18	1.71
(1,1769)	1:446:A:LYS:H	1:447:A:CYS:H	6	1.71
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	7	1.71
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	7	1.71
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	19	1.71
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	19	1.71
(1,1647)	1:419:A:GLN:HB2	1:419:A:GLN:HE22	17	1.71
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	8	1.71
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	8	1.71
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	11	1.71
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	11	1.71
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	7	1.71
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	14	1.71
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	14	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	14	1.71
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	7	1.71
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	7	1.71
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	7	1.71
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	8	1.71
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	8	1.71
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	8	1.71
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	8	1.71
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	8	1.71
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	8	1.71
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	19	1.71
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	19	1.71
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	19	1.71
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	19	1.71
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	19	1.71
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	19	1.71
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	7	1.71
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	7	1.71
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	6	1.71
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	6	1.71
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	19	1.71
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	19	1.71
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	2	1.71
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	5	1.71
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	5	1.71
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	5	1.71
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	1	1.71
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	1	1.71
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	1	1.71
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	10	1.71
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	10	1.71
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	4	1.71
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	4	1.71
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	4	1.71
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	4	1.71
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	4	1.71
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	4	1.71
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	4	1.71
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	4	1.71
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	4	1.71
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	4	1.71
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	4	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	4	1.71
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	4	1.71
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	4	1.71
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	4	1.71
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	4	1.71
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	4	1.71
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	4	1.71
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	4	1.71
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	4	1.71
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	4	1.71
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	4	1.71
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	4	1.71
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	4	1.71
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	4	1.71
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	4	1.71
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	4	1.71
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	4	1.71
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	4	1.71
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	4	1.71
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	3	1.71
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	18	1.7
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	12	1.7
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	14	1.7
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	14	1.7
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	20	1.7
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	20	1.7
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	15	1.7
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	19	1.7
(1,1769)	1:446:A:LYS:H	1:447:A:CYS:H	8	1.7
(1,1647)	1:419:A:GLN:HB2	1:419:A:GLN:HE22	4	1.7
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	5	1.7
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	5	1.7
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	5	1.7
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	12	1.7
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	12	1.7
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	12	1.7
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	6	1.7
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	9	1.7
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	8	1.7
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	8	1.7
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	8	1.7
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	15	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE1	7	1.7
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE2	7	1.7
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE1	7	1.7
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE2	7	1.7
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	12	1.7
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	3	1.7
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	3	1.7
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	15	1.7
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	19	1.7
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	19	1.7
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	19	1.7
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	16	1.7
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	16	1.7
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	16	1.7
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	15	1.7
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	15	1.7
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	4	1.7
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	4	1.7
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	4	1.7
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	4	1.7
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	4	1.7
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	4	1.7
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	12	1.7
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	12	1.7
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	12	1.7
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	12	1.7
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	12	1.7
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	12	1.7
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	4	1.7
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	4	1.7
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	4	1.7
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD11	18	1.7
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD12	18	1.7
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD13	18	1.7
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD21	18	1.7
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD22	18	1.7
(1,100)	1:416:A:PHE:HE1	1:476:A:LEU:HD23	18	1.7
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD11	18	1.7
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD12	18	1.7
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD13	18	1.7
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD21	18	1.7
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD22	18	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:416:A:PHE:HE2	1:476:A:LEU:HD23	18	1.7
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	8	1.7
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	19	1.7
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	8	1.69
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	14	1.69
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	14	1.69
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	14	1.69
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	7	1.69
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	2	1.69
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	2	1.69
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	16	1.69
(1,1581)	1:405:A:ALA:HB1	1:456:A:PRO:HD3	4	1.69
(1,1581)	1:405:A:ALA:HB2	1:456:A:PRO:HD3	4	1.69
(1,1581)	1:405:A:ALA:HB3	1:456:A:PRO:HD3	4	1.69
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD2	10	1.69
(1,1527)	1:477:A:LYS:HA	1:477:A:LYS:HD3	10	1.69
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	11	1.69
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	10	1.69
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	10	1.69
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	10	1.69
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	1	1.69
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	1	1.69
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	1	1.69
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	1	1.69
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	17	1.69
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	17	1.69
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	17	1.69
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	17	1.69
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	17	1.69
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	17	1.69
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	17	1.69
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	17	1.69
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	17	1.69
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	17	1.69
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	5	1.69
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	5	1.69
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	5	1.69
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	2	1.69
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	2	1.69
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	2	1.69
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	9	1.69
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	9	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	9	1.69
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	9	1.69
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	9	1.69
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	9	1.69
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	9	1.69
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	9	1.69
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	9	1.69
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	10	1.68
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	10	1.68
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	5	1.68
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	10	1.68
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	19	1.68
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	20	1.68
(1,1844)	1:480:A:LEU:H	1:480:A:LEU:HG	6	1.68
(1,1647)	1:419:A:GLN:HB2	1:419:A:GLN:HE22	2	1.68
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	7	1.68
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	7	1.68
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	6	1.68
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	4	1.68
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	4	1.68
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	10	1.68
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	10	1.68
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	17	1.68
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	17	1.68
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	1	1.68
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	1	1.68
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	1	1.68
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	3	1.68
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	3	1.68
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	3	1.68
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	3	1.68
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	11	1.68
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	11	1.68
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	11	1.68
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	11	1.68
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	6	1.68
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	6	1.68
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	6	1.68
(1,195)	1:436:A:VAL:HG21	1:449:A:GLY:HA3	15	1.68
(1,195)	1:436:A:VAL:HG22	1:449:A:GLY:HA3	15	1.68
(1,195)	1:436:A:VAL:HG23	1:449:A:GLY:HA3	15	1.68
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	4	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	4	1.68
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	3	1.68
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	3	1.68
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	3	1.68
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	8	1.68
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	8	1.68
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	8	1.68
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	5	1.68
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	2	1.67
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	2	1.67
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	2	1.67
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	2	1.67
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	2	1.67
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	2	1.67
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	4	1.67
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	4	1.67
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	4	1.67
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	2	1.67
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	2	1.67
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD11	11	1.67
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD12	11	1.67
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD13	11	1.67
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD21	11	1.67
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD22	11	1.67
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD23	11	1.67
(1,1647)	1:419:A:GLN:HB2	1:419:A:GLN:HE22	3	1.67
(1,1631)	1:475:A:ARG:HG2	1:476:A:LEU:H	14	1.67
(1,1631)	1:475:A:ARG:HG3	1:476:A:LEU:H	14	1.67
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	18	1.67
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	12	1.67
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	12	1.67
(1,1490)	1:481:A:LYS:HA	1:481:A:LYS:HD2	9	1.67
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	11	1.67
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	17	1.67
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	17	1.67
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	17	1.67
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	17	1.67
(1,1307)	1:473:A:MET:HG3	1:474:A:LYS:HG3	9	1.67
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	12	1.67
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	12	1.67
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	12	1.67
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	16	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	5	1.67
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	5	1.67
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	7	1.67
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	7	1.67
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	13	1.67
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	13	1.67
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	12	1.67
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	12	1.67
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	12	1.67
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	14	1.67
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	14	1.67
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	14	1.67
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	14	1.67
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	14	1.67
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	14	1.67
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	5	1.67
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	5	1.67
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	5	1.67
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	8	1.67
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	8	1.67
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	8	1.67
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	8	1.67
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	8	1.67
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	8	1.67
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	8	1.67
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	8	1.67
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	8	1.67
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	4	1.67
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	14	1.67
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	14	1.66
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	14	1.66
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	14	1.66
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	18	1.66
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	11	1.66
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	2	1.66
(1,1647)	1:419:A:GLN:HB2	1:419:A:GLN:HE22	14	1.66
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	9	1.66
(1,1497)	1:406:A:ASN:HA	1:452:A:SER:HB3	5	1.66
(1,1456)	1:466:A:MET:HA	1:469:A:PHE:HB2	12	1.66
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	12	1.66
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	12	1.66
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	17	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	1	1.66
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	1	1.66
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	1	1.66
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	14	1.66
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	14	1.66
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	14	1.66
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	2	1.66
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	2	1.66
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	14	1.66
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	14	1.66
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	10	1.66
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	2	1.66
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	12	1.66
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	12	1.66
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	12	1.66
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	12	1.66
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	20	1.66
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	20	1.66
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	4	1.66
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	4	1.66
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	4	1.66
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	4	1.66
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	4	1.66
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	4	1.66
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	2	1.66
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	1	1.66
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	4	1.66
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	10	1.66
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	8	1.66
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	8	1.66
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	8	1.66
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	11	1.66
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	11	1.66
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	11	1.66
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	14	1.66
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	14	1.66
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	14	1.66
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	8	1.66
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	8	1.66
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	8	1.66
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	8	1.66
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	8	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	8	1.66
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	6	1.66
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	6	1.66
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	6	1.66
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	14	1.66
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	14	1.66
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	14	1.66
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	19	1.66
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	19	1.66
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	19	1.66
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	19	1.66
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	19	1.66
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	19	1.66
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	19	1.66
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	19	1.66
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	19	1.66
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	19	1.66
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	19	1.66
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	19	1.66
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD1	3	1.65
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD2	3	1.65
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	10	1.65
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	10	1.65
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	10	1.65
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	2	1.65
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	6	1.65
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	16	1.65
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	6	1.65
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	15	1.65
(1,1769)	1:446:A:LYS:H	1:447:A:CYS:H	7	1.65
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	8	1.65
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	8	1.65
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	17	1.65
(1,1647)	1:419:A:GLN:HB2	1:419:A:GLN:HE22	11	1.65
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	13	1.65
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	2	1.65
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	2	1.65
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	6	1.65
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	6	1.65
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	6	1.65
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	20	1.65
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	20	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	11	1.65
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	6	1.65
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	6	1.65
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	6	1.65
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	3	1.65
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	3	1.65
(1,611)	1:410:A:TYR:HB3	1:411:A:HIS:HD2	2	1.65
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	6	1.65
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	6	1.65
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	6	1.65
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	19	1.65
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	19	1.65
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	19	1.65
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	15	1.65
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	15	1.65
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	6	1.65
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	6	1.65
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	6	1.65
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	6	1.65
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	6	1.65
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	6	1.65
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	7	1.65
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	7	1.65
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	7	1.65
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	7	1.65
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	7	1.65
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	7	1.65
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	11	1.65
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	3	1.65
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	3	1.65
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	3	1.65
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	16	1.65
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	16	1.65
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	16	1.65
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD1	17	1.64
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD2	17	1.64
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	13	1.64
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	12	1.64
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	11	1.64
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	11	1.64
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	6	1.64
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	7	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1577)	1:409:A:ILE:HG13	1:411:A:HIS:H	8	1.64
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	9	1.64
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	9	1.64
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	15	1.64
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	15	1.64
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	18	1.64
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	18	1.64
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	18	1.64
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	18	1.64
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	18	1.64
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	18	1.64
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	15	1.64
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	15	1.64
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	15	1.64
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	20	1.64
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	20	1.64
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	20	1.64
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	1	1.64
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	1	1.64
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	11	1.64
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	3	1.64
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	3	1.64
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	3	1.64
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE2	9	1.64
(1,491)	1:440:A:LYS:H	1:440:A:LYS:HE3	9	1.64
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	16	1.64
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	2	1.64
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	2	1.64
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	2	1.64
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	5	1.64
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	5	1.64
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	5	1.64
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	7	1.64
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	7	1.64
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	7	1.64
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	5	1.64
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	5	1.64
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	5	1.64
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	5	1.64
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	5	1.64
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	5	1.64
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	5	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	5	1.64
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	5	1.64
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	15	1.64
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	15	1.64
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	15	1.64
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	15	1.64
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	15	1.64
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	15	1.64
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	15	1.64
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	15	1.64
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	15	1.64
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	1	1.64
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	1	1.64
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	7	1.64
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	7	1.64
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	7	1.64
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	15	1.64
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	15	1.64
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	15	1.64
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	8	1.64
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	8	1.64
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	8	1.64
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	8	1.64
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	8	1.64
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	8	1.64
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	8	1.64
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	8	1.64
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	8	1.64
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	8	1.64
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	8	1.64
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	8	1.64
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	12	1.64
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	12	1.64
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	12	1.64
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	12	1.64
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	12	1.64
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	12	1.64
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	12	1.64
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	12	1.64
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	12	1.64
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	12	1.64
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	12	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	12	1.64
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	6	1.64
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	15	1.64
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	4	1.63
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	18	1.63
(1,1647)	1:419:A:GLN:HB2	1:419:A:GLN:HE22	8	1.63
(1,1647)	1:419:A:GLN:HB2	1:419:A:GLN:HE22	9	1.63
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	17	1.63
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	17	1.63
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	9	1.63
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	9	1.63
(1,1497)	1:406:A:ASN:HA	1:452:A:SER:HB3	3	1.63
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	10	1.63
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	10	1.63
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	10	1.63
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	10	1.63
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	10	1.63
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	10	1.63
(1,790)	1:484:A:LYS:HG2	1:485:A:ASN:HB3	7	1.63
(1,790)	1:484:A:LYS:HG3	1:485:A:ASN:HB3	7	1.63
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	19	1.63
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	19	1.63
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	19	1.63
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	4	1.63
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	4	1.63
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	16	1.63
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	17	1.63
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	17	1.63
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	17	1.63
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	1	1.63
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	11	1.63
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	11	1.63
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	11	1.63
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	13	1.63
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	13	1.63
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	13	1.63
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	13	1.63
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	3	1.63
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	17	1.63
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	17	1.63
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	17	1.63
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	5	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	5	1.63
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	5	1.63
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	5	1.63
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	5	1.63
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	5	1.63
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	7	1.63
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	7	1.63
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	7	1.63
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	7	1.63
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	7	1.63
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	7	1.63
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	8	1.63
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	8	1.63
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	8	1.63
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	8	1.63
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	8	1.63
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	8	1.63
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	3	1.63
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	3	1.63
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	3	1.63
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	3	1.63
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	3	1.63
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	3	1.63
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	3	1.63
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	3	1.63
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	3	1.63
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	3	1.63
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	3	1.63
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	12	1.63
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	12	1.63
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	12	1.63
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	12	1.63
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	12	1.63
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	12	1.63
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	12	1.63
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	12	1.63
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	12	1.63
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	20	1.63
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	15	1.62
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	20	1.62
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	20	1.62
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	20	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	5	1.62
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	9	1.62
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	7	1.62
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	7	1.62
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	11	1.62
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	11	1.62
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	20	1.62
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	20	1.62
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	20	1.62
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	20	1.62
(1,1647)	1:419:A:GLN:HB2	1:419:A:GLN:HE22	12	1.62
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	8	1.62
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	12	1.62
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	20	1.62
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	20	1.62
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	20	1.62
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	20	1.62
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	20	1.62
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	20	1.62
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	6	1.62
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	6	1.62
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	15	1.62
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	8	1.62
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	8	1.62
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	8	1.62
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	15	1.62
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	15	1.62
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	14	1.62
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	9	1.62
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	9	1.62
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	9	1.62
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	9	1.62
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	7	1.62
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	7	1.62
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	7	1.62
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	7	1.62
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	13	1.62
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	13	1.62
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	13	1.62
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	13	1.62
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	4	1.62
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	4	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	20	1.62
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	20	1.62
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	20	1.62
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	20	1.62
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	20	1.62
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	20	1.62
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	15	1.62
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	15	1.62
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	15	1.62
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	15	1.62
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	15	1.62
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	15	1.62
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	15	1.62
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	15	1.62
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	15	1.62
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	18	1.62
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	18	1.62
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	11	1.61
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	11	1.61
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	20	1.61
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	7	1.61
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	4	1.61
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	6	1.61
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	9	1.61
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	19	1.61
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	19	1.61
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	1	1.61
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	1	1.61
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	2	1.61
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	8	1.61
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	1	1.61
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	4	1.61
(1,1489)	1:481:A:LYS:HA	1:481:A:LYS:HD3	3	1.61
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	9	1.61
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	9	1.61
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	6	1.61
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	6	1.61
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	6	1.61
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	2	1.61
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	2	1.61
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	2	1.61
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	2	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	2	1.61
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	2	1.61
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	13	1.61
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	13	1.61
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	13	1.61
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	13	1.61
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	13	1.61
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	13	1.61
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	16	1.61
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	16	1.61
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	9	1.61
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	9	1.61
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	9	1.61
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	12	1.61
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	12	1.61
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	12	1.61
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	12	1.61
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	12	1.61
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	12	1.61
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	12	1.61
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	12	1.61
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	12	1.61
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	12	1.61
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	12	1.61
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	12	1.61
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	12	1.61
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	12	1.61
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	12	1.61
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	12	1.61
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	12	1.61
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	12	1.61
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	12	1.61
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	12	1.61
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	12	1.61
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	15	1.61
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	15	1.61
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	6	1.61
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	6	1.61
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	6	1.61
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	6	1.61
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	6	1.61
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	6	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	6	1.61
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	6	1.61
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	6	1.61
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	7	1.61
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	7	1.61
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	7	1.61
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	7	1.61
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	7	1.61
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	7	1.61
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	7	1.61
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	7	1.61
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	7	1.61
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	9	1.61
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	9	1.61
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	9	1.61
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	9	1.61
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	9	1.61
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	9	1.61
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	9	1.61
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	9	1.61
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	9	1.61
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	12	1.61
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	12	1.61
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	12	1.61
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	12	1.61
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	12	1.61
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	12	1.61
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	12	1.61
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	12	1.61
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	12	1.61
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	20	1.61
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	20	1.61
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	20	1.61
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	20	1.61
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	20	1.61
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	20	1.61
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	9	1.61
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	9	1.61
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	9	1.61
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	9	1.61
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	9	1.61
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	9	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	10	1.61
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	10	1.61
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	10	1.61
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	10	1.61
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	10	1.61
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	10	1.61
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	10	1.61
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	10	1.61
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	10	1.61
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	5	1.6
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	5	1.6
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	15	1.6
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	5	1.6
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	14	1.6
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	1	1.6
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	1	1.6
(1,1769)	1:446:A:LYS:H	1:447:A:CYS:H	14	1.6
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	2	1.6
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	2	1.6
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	12	1.6
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	12	1.6
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	1	1.6
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	1	1.6
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	12	1.6
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	11	1.6
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	11	1.6
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	11	1.6
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	7	1.6
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	7	1.6
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	7	1.6
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	7	1.6
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	7	1.6
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	7	1.6
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	1	1.6
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	1	1.6
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	6	1.6
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	6	1.6
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	15	1.6
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	15	1.6
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	6	1.6
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	8	1.6
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	7	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	7	1.6
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	7	1.6
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	19	1.6
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	19	1.6
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	19	1.6
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	19	1.6
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	19	1.6
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	19	1.6
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	6	1.6
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	6	1.6
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	15	1.6
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	12	1.6
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	12	1.6
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	12	1.6
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	3	1.6
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	18	1.6
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	18	1.6
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	18	1.6
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	14	1.6
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	14	1.6
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	14	1.6
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	14	1.6
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	14	1.6
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	14	1.6
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	14	1.6
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	14	1.6
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	14	1.6
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	16	1.6
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	16	1.6
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	16	1.6
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	16	1.6
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	16	1.6
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	16	1.6
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	16	1.6
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	16	1.6
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	16	1.6
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	13	1.6
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	13	1.6
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	17	1.6
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	17	1.6
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	17	1.6
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	17	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	17	1.6
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	17	1.6
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	10	1.6
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	10	1.6
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	10	1.6
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	7	1.6
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	7	1.6
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	7	1.6
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	7	1.6
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	7	1.6
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	7	1.6
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	7	1.6
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	7	1.6
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	7	1.6
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	12	1.6
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	17	1.59
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	11	1.59
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	11	1.59
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	11	1.59
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	9	1.59
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	4	1.59
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	8	1.59
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	10	1.59
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	14	1.59
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD11	12	1.59
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD12	12	1.59
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD13	12	1.59
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD21	12	1.59
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD22	12	1.59
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD23	12	1.59
(1,1844)	1:480:A:LEU:H	1:480:A:LEU:HG	7	1.59
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	20	1.59
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	20	1.59
(1,1631)	1:475:A:ARG:HG2	1:476:A:LEU:H	10	1.59
(1,1631)	1:475:A:ARG:HG3	1:476:A:LEU:H	10	1.59
(1,1497)	1:406:A:ASN:HA	1:452:A:SER:HB3	8	1.59
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	3	1.59
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	3	1.59
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	15	1.59
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	15	1.59
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	15	1.59
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	20	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	20	1.59
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	1	1.59
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	12	1.59
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	12	1.59
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	12	1.59
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	7	1.59
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	7	1.59
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	7	1.59
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	18	1.59
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	3	1.59
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	6	1.59
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	17	1.59
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	17	1.59
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	17	1.59
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	5	1.59
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	5	1.59
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	5	1.59
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	5	1.59
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	6	1.59
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	6	1.59
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	6	1.59
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	6	1.59
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	15	1.59
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	5	1.59
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	5	1.59
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	5	1.59
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	5	1.59
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	5	1.59
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	5	1.59
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	5	1.59
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	5	1.59
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	5	1.59
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	5	1.59
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	5	1.59
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	5	1.59
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	5	1.59
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	5	1.59
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	5	1.59
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	5	1.59
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	5	1.59
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	5	1.59
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	12	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	12	1.59
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	2	1.59
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	2	1.59
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	2	1.59
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	2	1.59
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	2	1.59
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	2	1.59
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	14	1.59
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	14	1.59
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	16	1.59
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	1	1.58
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	1	1.58
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	1	1.58
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	1	1.58
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	19	1.58
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	20	1.58
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	2	1.58
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	2	1.58
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	4	1.58
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	4	1.58
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	5	1.58
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	11	1.58
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	11	1.58
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	3	1.58
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	3	1.58
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	1	1.58
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	1	1.58
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	1	1.58
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	1	1.58
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	1	1.58
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	1	1.58
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	19	1.58
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	19	1.58
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	13	1.58
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	13	1.58
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	11	1.58
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	11	1.58
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	18	1.58
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	17	1.58
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	17	1.58
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	17	1.58
(1,790)	1:484:A:LYS:HG2	1:485:A:ASN:HB3	20	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:484:A:LYS:HG3	1:485:A:ASN:HB3	20	1.58
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	12	1.58
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	16	1.58
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	16	1.58
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	16	1.58
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	2	1.58
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	2	1.58
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	2	1.58
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	2	1.58
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	9	1.58
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	9	1.58
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	9	1.58
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	18	1.58
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	18	1.58
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	18	1.58
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	9	1.58
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	9	1.58
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	9	1.58
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	9	1.58
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	9	1.58
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	9	1.58
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD11	20	1.58
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD12	20	1.58
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD13	20	1.58
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD21	20	1.58
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD22	20	1.58
(1,102)	1:425:A:PHE:HE1	1:476:A:LEU:HD23	20	1.58
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD11	20	1.58
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD12	20	1.58
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD13	20	1.58
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD21	20	1.58
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD22	20	1.58
(1,102)	1:425:A:PHE:HE2	1:476:A:LEU:HD23	20	1.58
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	1	1.57
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	17	1.57
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	17	1.57
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	17	1.57
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	12	1.57
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	12	1.57
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	12	1.57
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	12	1.57
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	12	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	12	1.57
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	20	1.57
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	2	1.57
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	9	1.57
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	5	1.57
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	5	1.57
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	19	1.57
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	14	1.57
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	14	1.57
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	15	1.57
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	15	1.57
(1,1647)	1:419:A:GLN:HB2	1:419:A:GLN:HE22	10	1.57
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	11	1.57
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	11	1.57
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	16	1.57
(1,1497)	1:406:A:ASN:HA	1:452:A:SER:HB3	17	1.57
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	18	1.57
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	18	1.57
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	5	1.57
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	5	1.57
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	6	1.57
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	6	1.57
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	9	1.57
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	9	1.57
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	3	1.57
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	3	1.57
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	3	1.57
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	3	1.57
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	3	1.57
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	3	1.57
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	13	1.57
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	5	1.57
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	5	1.57
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	11	1.57
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	1	1.57
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	1	1.57
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	1	1.57
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	1	1.57
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	1	1.57
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	1	1.57
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	2	1.57
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	16	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	16	1.57
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	16	1.57
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	16	1.57
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	3	1.57
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	3	1.57
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	3	1.57
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	3	1.57
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	3	1.57
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	3	1.57
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	3	1.57
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	3	1.57
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	3	1.57
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	3	1.57
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	3	1.57
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	3	1.57
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	3	1.57
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	3	1.57
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	3	1.57
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	3	1.57
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	3	1.57
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	3	1.57
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	10	1.57
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	10	1.57
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	10	1.57
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	12	1.57
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	12	1.57
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	12	1.57
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	5	1.57
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	5	1.57
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	5	1.57
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	15	1.57
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	15	1.57
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	15	1.57
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	6	1.57
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	6	1.57
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	6	1.57
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	6	1.57
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	6	1.57
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	6	1.57
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	6	1.57
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	6	1.57
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	6	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	19	1.57
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	19	1.57
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	19	1.57
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	19	1.57
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	19	1.57
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	19	1.57
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	19	1.57
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	19	1.57
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	19	1.57
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	14	1.57
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	14	1.57
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	5	1.56
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	5	1.56
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	5	1.56
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	15	1.56
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	15	1.56
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	15	1.56
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	13	1.56
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	15	1.56
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	15	1.56
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	18	1.56
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	18	1.56
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	14	1.56
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	10	1.56
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	19	1.56
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	19	1.56
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	7	1.56
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	7	1.56
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	18	1.56
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	18	1.56
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	20	1.56
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	20	1.56
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	20	1.56
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	1	1.56
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	1	1.56
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	1	1.56
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	15	1.56
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	15	1.56
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	15	1.56
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	2	1.56
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	18	1.56
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	18	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	5	1.56
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	5	1.56
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	13	1.56
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	13	1.56
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	18	1.56
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	8	1.56
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	8	1.56
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	8	1.56
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	9	1.56
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	9	1.56
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	14	1.56
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	5	1.56
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	5	1.56
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	5	1.56
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	5	1.56
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	5	1.56
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	5	1.56
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	6	1.56
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	6	1.56
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	6	1.56
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	6	1.56
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	6	1.56
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	6	1.56
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	16	1.56
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	16	1.56
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	16	1.56
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	16	1.56
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	16	1.56
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	16	1.56
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	14	1.56
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	14	1.56
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	14	1.56
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	14	1.56
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	14	1.56
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	14	1.56
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	8	1.56
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	2	1.56
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	2	1.56
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	2	1.56
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	8	1.56
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	8	1.56
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	8	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	8	1.56
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	13	1.56
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	13	1.56
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	13	1.56
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	7	1.56
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	7	1.56
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	7	1.56
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	7	1.56
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	7	1.56
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	7	1.56
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	11	1.56
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	11	1.56
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	11	1.56
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	1	1.56
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	1	1.56
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	1	1.56
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	1	1.56
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	1	1.56
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	1	1.56
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	1	1.56
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	1	1.56
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	1	1.56
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	7	1.56
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	7	1.56
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	7	1.56
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	7	1.56
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	7	1.56
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	7	1.56
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	7	1.56
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	7	1.56
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	7	1.56
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	7	1.56
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	7	1.56
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	7	1.56
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	14	1.56
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	14	1.56
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	11	1.56
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	11	1.56
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	10	1.56
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	14	1.56
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	14	1.56
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	14	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	14	1.56
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	14	1.56
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	14	1.56
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	14	1.56
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	14	1.56
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	14	1.56
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	14	1.56
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	14	1.56
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	14	1.56
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	14	1.56
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	14	1.56
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	14	1.56
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	14	1.56
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	14	1.56
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	14	1.56
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	7	1.55
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	10	1.55
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	10	1.55
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	10	1.55
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	10	1.55
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	9	1.55
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	19	1.55
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	10	1.55
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	7	1.55
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	7	1.55
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	1	1.55
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	1	1.55
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	8	1.55
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	8	1.55
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	8	1.55
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	8	1.55
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	17	1.55
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	17	1.55
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	15	1.55
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	15	1.55
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	16	1.55
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	16	1.55
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	5	1.55
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	5	1.55
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	6	1.55
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	15	1.55
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	15	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	13	1.55
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	13	1.55
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	13	1.55
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	13	1.55
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	10	1.55
(1,1090)	1:441:A:GLN:H	1:441:A:GLN:HG2	16	1.55
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	14	1.55
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	14	1.55
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	11	1.55
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	6	1.55
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	6	1.55
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	6	1.55
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	6	1.55
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	6	1.55
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	6	1.55
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	9	1.55
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	9	1.55
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	9	1.55
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	9	1.55
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	9	1.55
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	9	1.55
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	3	1.55
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	3	1.55
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	3	1.55
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	18	1.55
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	18	1.55
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	18	1.55
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	17	1.55
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	11	1.55
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	11	1.55
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	11	1.55
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	11	1.55
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	11	1.55
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	11	1.55
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	12	1.55
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	12	1.55
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	12	1.55
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	12	1.55
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	12	1.55
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	12	1.55
(1,499)	1:440:A:LYS:HE2	1:441:A:GLN:HE21	7	1.55
(1,499)	1:440:A:LYS:HE3	1:441:A:GLN:HE21	7	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	14	1.55
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	10	1.55
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	10	1.55
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	10	1.55
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	10	1.55
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	10	1.55
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	10	1.55
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	10	1.55
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	10	1.55
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	10	1.55
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	10	1.55
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	10	1.55
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	10	1.55
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	10	1.55
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	10	1.55
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	10	1.55
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	10	1.55
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	10	1.55
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	10	1.55
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	2	1.55
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	2	1.55
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	2	1.55
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	13	1.55
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	13	1.55
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	13	1.55
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	17	1.55
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	17	1.55
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	17	1.55
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	20	1.55
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	20	1.55
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	20	1.55
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	20	1.55
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	20	1.55
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	20	1.55
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	20	1.55
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	20	1.55
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	20	1.55
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	18	1.54
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	5	1.54
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	20	1.54
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	13	1.54
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	9	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	9	1.54
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	12	1.54
(1,1925)	1:452:A:SER:HB2	1:453:A:TYR:H	16	1.54
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	9	1.54
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	9	1.54
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	4	1.54
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	4	1.54
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD11	16	1.54
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD12	16	1.54
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD13	16	1.54
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD21	16	1.54
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD22	16	1.54
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD23	16	1.54
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	8	1.54
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	8	1.54
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	16	1.54
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	16	1.54
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	1	1.54
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	11	1.54
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	11	1.54
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	6	1.54
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	6	1.54
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	5	1.54
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	5	1.54
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	1	1.54
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	1	1.54
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	14	1.54
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	14	1.54
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	14	1.54
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	13	1.54
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	20	1.54
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	20	1.54
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	11	1.54
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	11	1.54
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	12	1.54
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	12	1.54
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	3	1.54
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	3	1.54
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	2	1.54
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	4	1.54
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	15	1.54
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	15	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	15	1.54
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	4	1.54
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	3	1.54
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	3	1.54
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	3	1.54
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	3	1.54
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	3	1.54
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	3	1.54
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	4	1.54
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	4	1.54
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	4	1.54
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	4	1.54
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	4	1.54
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	4	1.54
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	17	1.54
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	17	1.54
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	17	1.54
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	17	1.54
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	17	1.54
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	17	1.54
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	18	1.54
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	18	1.54
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	18	1.54
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	18	1.54
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	18	1.54
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	18	1.54
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	19	1.54
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	19	1.54
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	19	1.54
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	19	1.54
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	19	1.54
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	19	1.54
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	7	1.54
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	7	1.54
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	7	1.54
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	7	1.54
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	7	1.54
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	7	1.54
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	18	1.54
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	18	1.54
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	6	1.54
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	19	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	19	1.54
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	19	1.54
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	2	1.54
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	2	1.54
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	2	1.54
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	2	1.54
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	2	1.54
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	2	1.54
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	2	1.54
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	2	1.54
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	2	1.54
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	15	1.54
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	15	1.54
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	15	1.54
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	15	1.54
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	15	1.54
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	15	1.54
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	17	1.54
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	17	1.54
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	17	1.54
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	17	1.54
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	17	1.54
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	17	1.54
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	17	1.54
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	17	1.54
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	17	1.54
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	1	1.54
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	12	1.54
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	20	1.54
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	9	1.53
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	9	1.53
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	6	1.53
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	6	1.53
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	6	1.53
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	13	1.53
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	13	1.53
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	16	1.53
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	16	1.53
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	19	1.53
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	20	1.53
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	17	1.53
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	17	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	6	1.53
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	6	1.53
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	20	1.53
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	20	1.53
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	10	1.53
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	10	1.53
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	11	1.53
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	11	1.53
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	13	1.53
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	13	1.53
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	9	1.53
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	9	1.53
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	2	1.53
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	2	1.53
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	5	1.53
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	5	1.53
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	6	1.53
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	6	1.53
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	3	1.53
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	3	1.53
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	3	1.53
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	3	1.53
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	3	1.53
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	3	1.53
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	11	1.53
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	2	1.53
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	2	1.53
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	11	1.53
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	11	1.53
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	13	1.53
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	13	1.53
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	5	1.53
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	4	1.53
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	6	1.53
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	17	1.53
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	17	1.53
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	17	1.53
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE1	4	1.53
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE2	4	1.53
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE1	4	1.53
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE2	4	1.53
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE1	19	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE2	19	1.53
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE1	19	1.53
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE2	19	1.53
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	16	1.53
(1,1090)	1:441:A:GLN:H	1:441:A:GLN:HG2	6	1.53
(1,1090)	1:441:A:GLN:H	1:441:A:GLN:HG2	10	1.53
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	1	1.53
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	1	1.53
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	1	1.53
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	7	1.53
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	7	1.53
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	7	1.53
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	7	1.53
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	7	1.53
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	7	1.53
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD11	18	1.53
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD12	18	1.53
(1,774)	1:408:A:PHE:HA	1:409:A:ILE:HD13	18	1.53
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	14	1.53
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	14	1.53
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	11	1.53
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	11	1.53
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	11	1.53
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	11	1.53
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	11	1.53
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	11	1.53
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	15	1.53
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	15	1.53
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	15	1.53
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	15	1.53
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	15	1.53
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	15	1.53
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	7	1.53
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	7	1.53
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	7	1.53
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	13	1.53
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	13	1.53
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	13	1.53
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	15	1.53
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	15	1.53
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	15	1.53
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	15	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	15	1.53
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	15	1.53
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	15	1.53
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	15	1.53
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	15	1.53
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	15	1.53
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	15	1.53
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	15	1.53
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	15	1.53
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	15	1.53
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	15	1.53
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	15	1.53
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	15	1.53
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	15	1.53
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	11	1.53
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	11	1.53
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	11	1.53
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	10	1.53
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	10	1.53
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	10	1.53
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	2	1.53
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	2	1.53
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	2	1.53
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	8	1.53
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	8	1.53
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	8	1.53
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	8	1.53
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	8	1.53
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	8	1.53
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	8	1.53
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	8	1.53
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	8	1.53
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	11	1.53
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	11	1.53
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	11	1.53
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	11	1.53
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	11	1.53
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	11	1.53
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	11	1.53
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	11	1.53
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	11	1.53
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD11	3	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD12	3	1.53
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD13	3	1.53
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD21	3	1.53
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD22	3	1.53
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD23	3	1.53
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	10	1.53
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	10	1.53
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	1	1.53
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	3	1.53
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	8	1.52
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	10	1.52
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	19	1.52
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	12	1.52
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	12	1.52
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	9	1.52
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	9	1.52
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	9	1.52
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	8	1.52
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	7	1.52
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	11	1.52
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	20	1.52
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	18	1.52
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	5	1.52
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	7	1.52
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	7	1.52
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	13	1.52
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	13	1.52
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	6	1.52
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	6	1.52
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	19	1.52
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	19	1.52
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	13	1.52
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	13	1.52
(1,1647)	1:419:A:GLN:HB2	1:419:A:GLN:HE22	16	1.52
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	9	1.52
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	9	1.52
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	16	1.52
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	16	1.52
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	11	1.52
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	11	1.52
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	11	1.52
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	11	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	11	1.52
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	11	1.52
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	8	1.52
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	8	1.52
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	7	1.52
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	7	1.52
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	7	1.52
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	4	1.52
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	4	1.52
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	4	1.52
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	3	1.52
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	3	1.52
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	15	1.52
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	15	1.52
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	17	1.52
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	17	1.52
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	19	1.52
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	19	1.52
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	20	1.52
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	20	1.52
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	2	1.52
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	2	1.52
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	2	1.52
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	2	1.52
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	2	1.52
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	2	1.52
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	5	1.52
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	5	1.52
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	5	1.52
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	5	1.52
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	5	1.52
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	5	1.52
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	10	1.52
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	10	1.52
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	8	1.52
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	8	1.52
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	8	1.52
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	8	1.52
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	8	1.52
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	8	1.52
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	14	1.52
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	14	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	14	1.52
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	14	1.52
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	14	1.52
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	14	1.52
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	9	1.52
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	18	1.52
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	18	1.52
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	18	1.52
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	18	1.52
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	18	1.52
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	18	1.52
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	2	1.52
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	2	1.52
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	11	1.52
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	11	1.52
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	11	1.52
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	11	1.52
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	11	1.52
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	11	1.52
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	20	1.52
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	20	1.52
(1,391)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	20	1.52
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	2	1.52
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	2	1.52
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	2	1.52
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	2	1.52
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	2	1.52
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	2	1.52
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	2	1.52
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	2	1.52
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	2	1.52
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	2	1.52
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	2	1.52
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	2	1.52
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	2	1.52
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	2	1.52
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	2	1.52
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	2	1.52
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	2	1.52
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	2	1.52
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	10	1.52
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	10	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	10	1.52
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	10	1.52
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	10	1.52
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	10	1.52
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	10	1.52
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	10	1.52
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	10	1.52
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	7	1.52
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	7	1.52
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	7	1.52
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	7	1.52
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	7	1.52
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	7	1.52
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	3	1.52
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	16	1.52
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	16	1.52
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	16	1.52
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	16	1.52
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	16	1.52
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	16	1.52
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	1	1.51
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	1	1.51
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	2	1.51
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	4	1.51
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	4	1.51
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	4	1.51
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	20	1.51
(1,2127)	1:423:A:GLN:H	1:423:A:GLN:HG2	15	1.51
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	11	1.51
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	11	1.51
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	9	1.51
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	9	1.51
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	12	1.51
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	12	1.51
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	8	1.51
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	1	1.51
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	1	1.51
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	6	1.51
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	6	1.51
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	3	1.51
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	17	1.51
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	17	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	19	1.51
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	19	1.51
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	19	1.51
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	20	1.51
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	20	1.51
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	9	1.51
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	9	1.51
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	9	1.51
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	9	1.51
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	9	1.51
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	9	1.51
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	2	1.51
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	2	1.51
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	16	1.51
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	7	1.51
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	7	1.51
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	7	1.51
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	7	1.51
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	8	1.51
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	8	1.51
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	6	1.51
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	6	1.51
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	6	1.51
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	12	1.51
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	4	1.51
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	4	1.51
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	10	1.51
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	10	1.51
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	16	1.51
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	16	1.51
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	18	1.51
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	18	1.51
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	12	1.51
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	12	1.51
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	12	1.51
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	12	1.51
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	12	1.51
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	12	1.51
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	14	1.51
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	14	1.51
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	14	1.51
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	12	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	12	1.51
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	12	1.51
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	12	1.51
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	12	1.51
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	12	1.51
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	11	1.51
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	11	1.51
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	11	1.51
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	8	1.51
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	8	1.51
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	8	1.51
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	8	1.51
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	8	1.51
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	8	1.51
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	8	1.51
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	8	1.51
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	8	1.51
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	8	1.51
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	8	1.51
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	8	1.51
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	8	1.51
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	8	1.51
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	8	1.51
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	8	1.51
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	8	1.51
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	8	1.51
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	14	1.51
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	14	1.51
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	14	1.51
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	20	1.51
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	20	1.51
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	20	1.51
(1,311)	1:408:A:PHE:HE1	1:450:A:PHE:HB3	9	1.51
(1,311)	1:408:A:PHE:HE2	1:450:A:PHE:HB3	9	1.51
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	11	1.51
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	11	1.51
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	11	1.51
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	11	1.51
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	11	1.51
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	11	1.51
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	11	1.51
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	11	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	11	1.51
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	11	1.51
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	11	1.51
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	11	1.51
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	2	1.51
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	3	1.5
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	3	1.5
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	15	1.5
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	6	1.5
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	3	1.5
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	3	1.5
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	2	1.5
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	18	1.5
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	16	1.5
(1,1925)	1:452:A:SER:HB2	1:453:A:TYR:H	13	1.5
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	1	1.5
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	19	1.5
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	17	1.5
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	3	1.5
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	3	1.5
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	17	1.5
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	17	1.5
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	20	1.5
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	20	1.5
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	10	1.5
(1,1490)	1:481:A:LYS:HA	1:481:A:LYS:HD2	5	1.5
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	10	1.5
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	10	1.5
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	10	1.5
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	10	1.5
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	10	1.5
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	10	1.5
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	17	1.5
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	8	1.5
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	8	1.5
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	7	1.5
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	18	1.5
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	18	1.5
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	18	1.5
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	18	1.5
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	18	1.5
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	18	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	18	1.5
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	18	1.5
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	5	1.5
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	5	1.5
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	8	1.5
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	8	1.5
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	7	1.5
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	7	1.5
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	7	1.5
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	8	1.5
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	8	1.5
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	15	1.5
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	13	1.5
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	10	1.5
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	10	1.5
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	10	1.5
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	13	1.5
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	13	1.5
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	13	1.5
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	13	1.5
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	13	1.5
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	13	1.5
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	13	1.5
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	13	1.5
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	13	1.5
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	10	1.5
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	10	1.5
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	10	1.5
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	16	1.5
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	9	1.5
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	9	1.5
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	9	1.5
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	10	1.5
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	10	1.5
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	10	1.5
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	10	1.5
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	10	1.5
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	10	1.5
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	6	1.5
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	6	1.5
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	6	1.5
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	6	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	6	1.5
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	6	1.5
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	9	1.5
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	9	1.5
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	9	1.5
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	9	1.5
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	9	1.5
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	9	1.5
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	5	1.5
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	5	1.5
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	12	1.5
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	5	1.5
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	5	1.5
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	5	1.5
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	6	1.5
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	6	1.5
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	6	1.5
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	19	1.5
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	19	1.5
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	19	1.5
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	19	1.5
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	19	1.5
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	19	1.5
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	19	1.5
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	19	1.5
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	19	1.5
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	9	1.5
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	9	1.5
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	9	1.5
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	9	1.5
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	9	1.5
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	9	1.5
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD11	5	1.5
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD12	5	1.5
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD13	5	1.5
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD21	5	1.5
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD22	5	1.5
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD23	5	1.5
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	13	1.5
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	17	1.5
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD1	1	1.49
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD2	1	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	19	1.49
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	15	1.49
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	15	1.49
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	17	1.49
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	16	1.49
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	8	1.49
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	8	1.49
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	12	1.49
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	12	1.49
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	15	1.49
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	15	1.49
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	17	1.49
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	18	1.49
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	6	1.49
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	6	1.49
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	10	1.49
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	10	1.49
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	13	1.49
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	13	1.49
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG12	4	1.49
(1,1663)	1:471:A:ILE:H	1:471:A:ILE:HG13	4	1.49
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	17	1.49
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	17	1.49
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	17	1.49
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	10	1.49
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	10	1.49
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	6	1.49
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	6	1.49
(1,1497)	1:406:A:ASN:HA	1:452:A:SER:HB3	10	1.49
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	19	1.49
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	7	1.49
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	7	1.49
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	12	1.49
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	4	1.49
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	1	1.49
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	1	1.49
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	1	1.49
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	1	1.49
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	1	1.49
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	1	1.49
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	12	1.49
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	12	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	12	1.49
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	12	1.49
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	12	1.49
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	12	1.49
(1,746)	1:412:A:LEU:HG	1:416:A:PHE:HB3	3	1.49
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	7	1.49
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	7	1.49
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	7	1.49
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	7	1.49
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	7	1.49
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	7	1.49
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	14	1.49
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	14	1.49
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	14	1.49
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	18	1.49
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	18	1.49
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	18	1.49
(1,499)	1:440:A:LYS:HE2	1:441:A:GLN:HE21	20	1.49
(1,499)	1:440:A:LYS:HE3	1:441:A:GLN:HE21	20	1.49
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	6	1.49
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	6	1.49
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	6	1.49
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	18	1.49
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	18	1.49
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	18	1.49
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	18	1.49
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	18	1.49
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	18	1.49
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	18	1.49
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	18	1.49
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	18	1.49
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	16	1.49
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	16	1.49
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	16	1.49
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	5	1.49
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	5	1.49
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	5	1.49
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	5	1.49
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	5	1.49
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	5	1.49
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	5	1.49
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	5	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	5	1.49
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	8	1.49
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	8	1.49
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	5	1.49
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	16	1.49
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	2	1.48
(1,2280)	1:463:A:ILE:HG21	1:464:A:GLN:HE22	19	1.48
(1,2280)	1:463:A:ILE:HG22	1:464:A:GLN:HE22	19	1.48
(1,2280)	1:463:A:ILE:HG23	1:464:A:GLN:HE22	19	1.48
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	16	1.48
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	1	1.48
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	17	1.48
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	7	1.48
(1,1844)	1:480:A:LEU:H	1:480:A:LEU:HG	3	1.48
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	9	1.48
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	9	1.48
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	4	1.48
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	4	1.48
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	3	1.48
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	9	1.48
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	18	1.48
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	18	1.48
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	18	1.48
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	18	1.48
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	7	1.48
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	7	1.48
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	7	1.48
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	7	1.48
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	7	1.48
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	7	1.48
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	14	1.48
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	14	1.48
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	12	1.48
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	8	1.48
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	3	1.48
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	13	1.48
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	12	1.48
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	12	1.48
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	12	1.48
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	9	1.48
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	9	1.48
(1,885)	1:463:A:ILE:HD11	1:480:A:LEU:HA	6	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,885)	1:463:A:ILE:HD12	1:480:A:LEU:HA	6	1.48
(1,885)	1:463:A:ILE:HD13	1:480:A:LEU:HA	6	1.48
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	19	1.48
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	19	1.48
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	19	1.48
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	20	1.48
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	20	1.48
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	20	1.48
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	20	1.48
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	20	1.48
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	20	1.48
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	15	1.48
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	15	1.48
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	15	1.48
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	9	1.48
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	9	1.48
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	9	1.48
(1,499)	1:440:A:LYS:HE2	1:441:A:GLN:HE21	11	1.48
(1,499)	1:440:A:LYS:HE3	1:441:A:GLN:HE21	11	1.48
(1,499)	1:440:A:LYS:HE2	1:441:A:GLN:HE21	15	1.48
(1,499)	1:440:A:LYS:HE3	1:441:A:GLN:HE21	15	1.48
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	1	1.48
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	1	1.48
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	1	1.48
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	10	1.48
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	10	1.48
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	10	1.48
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	3	1.48
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	3	1.48
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	3	1.48
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	7	1.48
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	7	1.48
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	7	1.48
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	8	1.48
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	8	1.48
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	8	1.48
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	8	1.48
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	8	1.48
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	8	1.48
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	8	1.48
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	8	1.48
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	8	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	6	1.48
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	6	1.48
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	6	1.48
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	6	1.48
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	6	1.48
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	6	1.48
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	11	1.48
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	11	1.48
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	11	1.48
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	11	1.48
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	11	1.48
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	11	1.48
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	11	1.48
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	11	1.48
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	11	1.48
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	18	1.48
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	18	1.48
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	18	1.48
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	18	1.48
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	18	1.48
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	18	1.48
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	18	1.48
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	18	1.48
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	18	1.48
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	9	1.48
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	9	1.48
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	5	1.47
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	13	1.47
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	18	1.47
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	6	1.47
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	6	1.47
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	6	1.47
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	4	1.47
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	10	1.47
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	8	1.47
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	12	1.47
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	17	1.47
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	2	1.47
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	18	1.47
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	18	1.47
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	16	1.47
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	16	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	4	1.47
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	4	1.47
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	12	1.47
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	12	1.47
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	16	1.47
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	16	1.47
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG12	3	1.47
(1,1688)	1:432:A:ILE:H	1:432:A:ILE:HG13	3	1.47
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	4	1.47
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	12	1.47
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	12	1.47
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	12	1.47
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	13	1.47
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	13	1.47
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	13	1.47
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	20	1.47
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	20	1.47
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	20	1.47
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	14	1.47
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	15	1.47
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	15	1.47
(1,1497)	1:406:A:ASN:HA	1:452:A:SER:HB3	20	1.47
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	12	1.47
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	12	1.47
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	19	1.47
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	19	1.47
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	7	1.47
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	7	1.47
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	7	1.47
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	16	1.47
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	6	1.47
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	6	1.47
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	6	1.47
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	6	1.47
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	6	1.47
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	6	1.47
(1,1152)	1:419:A:GLN:HG2	1:420:A:ASP:H	16	1.47
(1,1152)	1:419:A:GLN:HG3	1:420:A:ASP:H	16	1.47
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	16	1.47
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	16	1.47
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	16	1.47
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	14	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	14	1.47
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	14	1.47
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	14	1.47
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	14	1.47
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	14	1.47
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	9	1.47
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	9	1.47
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	15	1.47
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	15	1.47
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	15	1.47
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	15	1.47
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	15	1.47
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	15	1.47
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	12	1.47
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	12	1.47
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	8	1.47
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	8	1.47
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	8	1.47
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	8	1.47
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	8	1.47
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	8	1.47
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	16	1.47
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	16	1.47
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	16	1.47
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB1	9	1.47
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB2	9	1.47
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB3	9	1.47
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	3	1.47
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	3	1.47
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	3	1.47
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	3	1.47
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	3	1.47
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	3	1.47
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	3	1.47
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	3	1.47
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	3	1.47
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	6	1.47
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	6	1.47
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	6	1.47
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	6	1.47
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	6	1.47
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	6	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	16	1.47
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	16	1.47
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	16	1.47
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	16	1.47
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	16	1.47
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	16	1.47
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	2	1.46
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	2	1.46
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	4	1.46
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	4	1.46
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	4	1.46
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	8	1.46
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	8	1.46
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	8	1.46
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	5	1.46
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	19	1.46
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	17	1.46
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	14	1.46
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB2	17	1.46
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB3	17	1.46
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	19	1.46
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	19	1.46
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	8	1.46
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	20	1.46
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	20	1.46
(1,1682)	1:482:A:ARG:HG2	1:483:A:SER:HB2	20	1.46
(1,1682)	1:482:A:ARG:HG2	1:483:A:SER:HB3	20	1.46
(1,1682)	1:482:A:ARG:HG3	1:483:A:SER:HB2	20	1.46
(1,1682)	1:482:A:ARG:HG3	1:483:A:SER:HB3	20	1.46
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	6	1.46
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	6	1.46
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	6	1.46
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	5	1.46
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	5	1.46
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	20	1.46
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	20	1.46
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	6	1.46
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	6	1.46
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	6	1.46
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	6	1.46
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	6	1.46
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	6	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	1	1.46
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	1	1.46
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	1	1.46
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	1	1.46
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	1	1.46
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	1	1.46
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	1	1.46
(1,953)	1:415:A:GLU:HG2	1:417:A:GLY:H	1	1.46
(1,953)	1:415:A:GLU:HG3	1:417:A:GLY:H	1	1.46
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	5	1.46
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	5	1.46
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	5	1.46
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	2	1.46
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	2	1.46
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	2	1.46
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	2	1.46
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	2	1.46
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	2	1.46
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	5	1.46
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	5	1.46
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	5	1.46
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	5	1.46
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	5	1.46
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	5	1.46
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	12	1.46
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	12	1.46
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	12	1.46
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	11	1.46
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	11	1.46
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	11	1.46
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	18	1.46
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	18	1.46
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	18	1.46
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	5	1.46
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	5	1.46
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	5	1.46
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	5	1.46
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	17	1.46
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	2	1.46
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	2	1.46
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	2	1.46
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	5	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	5	1.46
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	5	1.46
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	4	1.46
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	4	1.46
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	4	1.46
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	9	1.46
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	9	1.46
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	9	1.46
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	20	1.46
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	20	1.46
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	20	1.46
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	20	1.46
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	20	1.46
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	20	1.46
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	20	1.46
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	20	1.46
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	20	1.46
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	3	1.46
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	3	1.46
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	3	1.46
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	3	1.46
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	3	1.46
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	3	1.46
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	1	1.46
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	1	1.46
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	1	1.46
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	1	1.46
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	1	1.46
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	1	1.46
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	20	1.46
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	20	1.46
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	20	1.46
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	20	1.46
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	20	1.46
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	20	1.46
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	9	1.46
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	9	1.46
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	9	1.46
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	9	1.46
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	11	1.46
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	11	1.46
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	11	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	11	1.46
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	10	1.46
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	10	1.46
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD11	20	1.46
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD12	20	1.46
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD13	20	1.46
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD21	20	1.46
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD22	20	1.46
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD23	20	1.46
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	19	1.45
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	18	1.45
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	2	1.45
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	7	1.45
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	8	1.45
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	2	1.45
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	2	1.45
(1,1844)	1:480:A:LEU:H	1:480:A:LEU:HG	11	1.45
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	13	1.45
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	6	1.45
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	6	1.45
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	16	1.45
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	4	1.45
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	4	1.45
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	5	1.45
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	5	1.45
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	12	1.45
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	12	1.45
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	13	1.45
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	13	1.45
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	13	1.45
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	13	1.45
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	13	1.45
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	13	1.45
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	13	1.45
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	13	1.45
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	2	1.45
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	2	1.45
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	2	1.45
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	2	1.45
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	2	1.45
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	2	1.45
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	11	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	11	1.45
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	3	1.45
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	19	1.45
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	19	1.45
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	19	1.45
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	1	1.45
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	2	1.45
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	2	1.45
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	2	1.45
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	18	1.45
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	18	1.45
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	7	1.45
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	7	1.45
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	7	1.45
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	7	1.45
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	1	1.45
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	7	1.45
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	1	1.45
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	1	1.45
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	1	1.45
(1,764)	1:435:A:LYS:HD2	1:437:A:PHE:HB2	12	1.45
(1,764)	1:435:A:LYS:HD3	1:437:A:PHE:HB2	12	1.45
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	1	1.45
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	1	1.45
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	1	1.45
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	1	1.45
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	1	1.45
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	1	1.45
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	20	1.45
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	13	1.45
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	18	1.45
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	15	1.45
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	15	1.45
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	15	1.45
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG11	2	1.45
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG12	2	1.45
(1,245)	1:463:A:ILE:HA	1:478:A:VAL:HG13	2	1.45
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG21	13	1.45
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG22	13	1.45
(1,139)	1:467:A:ASN:HD22	1:478:A:VAL:HG23	13	1.45
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD11	7	1.45
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD12	7	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD13	7	1.45
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD21	7	1.45
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD22	7	1.45
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD23	7	1.45
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	8	1.44
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	8	1.44
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	4	1.44
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	6	1.44
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	6	1.44
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	6	1.44
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	17	1.44
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	17	1.44
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	17	1.44
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	13	1.44
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	11	1.44
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	7	1.44
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	8	1.44
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	8	1.44
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	3	1.44
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	3	1.44
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	9	1.44
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	9	1.44
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	17	1.44
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	17	1.44
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	18	1.44
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	18	1.44
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	11	1.44
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	3	1.44
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	3	1.44
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	5	1.44
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	5	1.44
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	17	1.44
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	17	1.44
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	18	1.44
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	18	1.44
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	2	1.44
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	2	1.44
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	2	1.44
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	9	1.44
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	9	1.44
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	9	1.44
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	7	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	7	1.44
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	10	1.44
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	10	1.44
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	19	1.44
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	19	1.44
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	13	1.44
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	13	1.44
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	13	1.44
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	13	1.44
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	13	1.44
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	13	1.44
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	15	1.44
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	15	1.44
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	15	1.44
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	15	1.44
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	15	1.44
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	15	1.44
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	10	1.44
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	10	1.44
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	3	1.44
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	3	1.44
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	3	1.44
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	7	1.44
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	7	1.44
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	14	1.44
(1,1107)	1:420:A:ASP:HA	1:423:A:GLN:HE21	20	1.44
(1,1081)	1:440:A:LYS:HD2	1:441:A:GLN:HG3	15	1.44
(1,1081)	1:440:A:LYS:HD3	1:441:A:GLN:HG3	15	1.44
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	8	1.44
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	8	1.44
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	8	1.44
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	8	1.44
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	8	1.44
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	8	1.44
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	11	1.44
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	6	1.44
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	6	1.44
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	6	1.44
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	20	1.44
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	20	1.44
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	20	1.44
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	20	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	20	1.44
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	20	1.44
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	9	1.44
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	9	1.44
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	9	1.44
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	18	1.44
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	18	1.44
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	18	1.44
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	18	1.44
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	18	1.44
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	18	1.44
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	7	1.44
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	7	1.44
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	7	1.44
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	7	1.44
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	7	1.44
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	7	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	7	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	7	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	7	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	7	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	7	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	7	1.44
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	7	1.44
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	7	1.44
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	7	1.44
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	7	1.44
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	7	1.44
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	7	1.44
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	20	1.44
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	20	1.44
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	20	1.44
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	20	1.44
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	20	1.44
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	20	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	20	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	20	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	20	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	20	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	20	1.44
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	20	1.44
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	20	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	20	1.44
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	20	1.44
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	20	1.44
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	20	1.44
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	20	1.44
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	20	1.44
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	20	1.44
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	20	1.44
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	9	1.44
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	9	1.44
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	9	1.44
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	1	1.44
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	1	1.44
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	1	1.44
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	1	1.44
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	1	1.44
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	1	1.44
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	5	1.44
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	5	1.44
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	5	1.44
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	5	1.44
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	5	1.44
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	5	1.44
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	14	1.44
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	14	1.44
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	14	1.44
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	14	1.44
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	14	1.44
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	14	1.44
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	14	1.44
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	14	1.44
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	14	1.44
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	16	1.44
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	16	1.44
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	16	1.44
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	16	1.44
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	16	1.44
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	16	1.44
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	16	1.44
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	16	1.44
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	16	1.44
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	1	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	1	1.44
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	1	1.44
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	1	1.44
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	1	1.44
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	1	1.44
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	20	1.44
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	20	1.44
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	20	1.44
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	20	1.44
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	1	1.43
(1,2280)	1:463:A:ILE:HG21	1:464:A:GLN:HE22	20	1.43
(1,2280)	1:463:A:ILE:HG22	1:464:A:GLN:HE22	20	1.43
(1,2280)	1:463:A:ILE:HG23	1:464:A:GLN:HE22	20	1.43
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	7	1.43
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	14	1.43
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	5	1.43
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	10	1.43
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	10	1.43
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	10	1.43
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	3	1.43
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	13	1.43
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	19	1.43
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	19	1.43
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	15	1.43
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	15	1.43
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	1	1.43
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	10	1.43
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	7	1.43
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	10	1.43
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	10	1.43
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	7	1.43
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	7	1.43
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	14	1.43
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	14	1.43
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	5	1.43
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	5	1.43
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	5	1.43
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	5	1.43
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	5	1.43
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	5	1.43
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	3	1.43
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	3	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	15	1.43
(1,1242)	1:483:A:SER:HB2	1:484:A:LYS:HB3	14	1.43
(1,1242)	1:483:A:SER:HB3	1:484:A:LYS:HB3	14	1.43
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	18	1.43
(1,1090)	1:441:A:GLN:H	1:441:A:GLN:HG2	3	1.43
(1,999)	1:403:A:GLU:H	1:403:A:GLU:HG2	1	1.43
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	20	1.43
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	20	1.43
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	20	1.43
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	20	1.43
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	20	1.43
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	20	1.43
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	20	1.43
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	20	1.43
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	20	1.43
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	13	1.43
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	13	1.43
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	13	1.43
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	13	1.43
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	13	1.43
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	13	1.43
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	15	1.43
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	15	1.43
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	15	1.43
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	15	1.43
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	15	1.43
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	15	1.43
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	16	1.43
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	16	1.43
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	8	1.43
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	8	1.43
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	8	1.43
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	6	1.43
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	6	1.43
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	6	1.43
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	6	1.43
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	6	1.43
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	6	1.43
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE1	18	1.43
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE2	18	1.43
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	12	1.43
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	12	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	12	1.43
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	12	1.43
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	14	1.43
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	14	1.43
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	14	1.43
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	14	1.43
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	14	1.43
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	14	1.43
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	8	1.43
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	4	1.43
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	4	1.43
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	4	1.43
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	20	1.42
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	4	1.42
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	4	1.42
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	1	1.42
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	19	1.42
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	8	1.42
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	6	1.42
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	12	1.42
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD11	8	1.42
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD12	8	1.42
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD13	8	1.42
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD21	8	1.42
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD22	8	1.42
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD23	8	1.42
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	18	1.42
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	18	1.42
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	14	1.42
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	14	1.42
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	2	1.42
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	2	1.42
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG12	10	1.42
(1,1690)	1:431:A:VAL:HA	1:432:A:ILE:HG13	10	1.42
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	20	1.42
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	7	1.42
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	7	1.42
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	20	1.42
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	20	1.42
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	18	1.42
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	18	1.42
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	11	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	11	1.42
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	17	1.42
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	17	1.42
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	15	1.42
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	15	1.42
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	15	1.42
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	13	1.42
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	16	1.42
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	5	1.42
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	5	1.42
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	5	1.42
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	5	1.42
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	5	1.42
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	5	1.42
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	13	1.42
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	13	1.42
(1,1090)	1:441:A:GLN:H	1:441:A:GLN:HG2	12	1.42
(1,1090)	1:441:A:GLN:H	1:441:A:GLN:HG2	19	1.42
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	2	1.42
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	2	1.42
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	7	1.42
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	7	1.42
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	4	1.42
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	4	1.42
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	4	1.42
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	10	1.42
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	10	1.42
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	10	1.42
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	16	1.42
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	16	1.42
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	16	1.42
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	3	1.42
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	3	1.42
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	3	1.42
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	3	1.42
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	3	1.42
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	3	1.42
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	10	1.42
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	10	1.42
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	10	1.42
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	10	1.42
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	10	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	10	1.42
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	4	1.42
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	4	1.42
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	4	1.42
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	8	1.42
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	8	1.42
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	8	1.42
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	1	1.42
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	1	1.42
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	1	1.42
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	1	1.42
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	3	1.42
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	3	1.42
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	3	1.42
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	3	1.42
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	9	1.42
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	9	1.42
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	9	1.42
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	9	1.42
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	9	1.42
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	9	1.42
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	11	1.42
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	11	1.42
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	11	1.42
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	11	1.42
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	11	1.42
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	11	1.42
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	11	1.42
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	11	1.42
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	11	1.42
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	11	1.42
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	11	1.42
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	11	1.42
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	11	1.42
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	11	1.42
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	11	1.42
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	11	1.42
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	11	1.42
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	11	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	4	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	4	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	4	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	4	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	4	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	4	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	12	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	12	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	12	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	12	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	12	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	12	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	18	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	18	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	18	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	18	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	18	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	18	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	20	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	20	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	20	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	20	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	20	1.42
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	20	1.42
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	19	1.41
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	19	1.41
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	19	1.41
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	19	1.41
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	19	1.41
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	19	1.41
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	3	1.41
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	3	1.41
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	12	1.41
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	13	1.41
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	13	1.41
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	13	1.41
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	8	1.41
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	8	1.41
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	8	1.41
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	20	1.41
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	20	1.41
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	7	1.41
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	18	1.41
(1,2144)	1:444:A:LEU:HB2	1:445:A:SER:H	9	1.41
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	12	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	4	1.41
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	15	1.41
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	12	1.41
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	12	1.41
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	15	1.41
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	15	1.41
(1,1935)	1:435:A:LYS:H	1:450:A:PHE:HB2	10	1.41
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	4	1.41
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	4	1.41
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	14	1.41
(1,1769)	1:446:A:LYS:H	1:447:A:CYS:H	13	1.41
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	7	1.41
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	7	1.41
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	14	1.41
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	14	1.41
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	17	1.41
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	17	1.41
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	17	1.41
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	17	1.41
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	17	1.41
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	17	1.41
(1,1591)	1:404:A:GLY:H	1:456:A:PRO:HD2	15	1.41
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	16	1.41
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	16	1.41
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	16	1.41
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	2	1.41
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	2	1.41
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	17	1.41
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	17	1.41
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	12	1.41
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	12	1.41
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	12	1.41
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	12	1.41
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	12	1.41
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	12	1.41
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	20	1.41
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	20	1.41
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	20	1.41
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	20	1.41
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	20	1.41
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	20	1.41
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	18	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	18	1.41
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	18	1.41
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	18	1.41
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	18	1.41
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	18	1.41
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	11	1.41
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	10	1.41
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	10	1.41
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	10	1.41
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	6	1.41
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	6	1.41
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	15	1.41
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	15	1.41
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	1	1.41
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	16	1.41
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	19	1.41
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	19	1.41
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	19	1.41
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	19	1.41
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	19	1.41
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	19	1.41
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	3	1.41
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	3	1.41
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	3	1.41
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	3	1.41
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	3	1.41
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	3	1.41
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	7	1.41
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	7	1.41
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	7	1.41
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	7	1.41
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	7	1.41
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	7	1.41
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	1	1.41
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	1	1.41
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	1	1.41
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	1	1.41
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	1	1.41
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	1	1.41
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	8	1.41
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	8	1.41
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD11	20	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD12	20	1.41
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD13	20	1.41
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD21	20	1.41
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD22	20	1.41
(1,608)	1:469:A:PHE:HB2	1:476:A:LEU:HD23	20	1.41
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	7	1.41
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	7	1.41
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	8	1.41
(1,565)	1:421:A:ILE:HG21	1:434:A:ALA:HA	4	1.41
(1,565)	1:421:A:ILE:HG22	1:434:A:ALA:HA	4	1.41
(1,565)	1:421:A:ILE:HG23	1:434:A:ALA:HA	4	1.41
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	1	1.41
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	1	1.41
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	1	1.41
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	2	1.41
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	14	1.41
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	14	1.41
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	14	1.41
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	1	1.41
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	1	1.41
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	1	1.41
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	4	1.41
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	4	1.41
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	4	1.41
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	1	1.41
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	1	1.41
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	1	1.41
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	1	1.41
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	1	1.41
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	1	1.41
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	1	1.41
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	1	1.41
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	1	1.41
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	13	1.41
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	13	1.41
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	13	1.41
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	13	1.41
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	13	1.41
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	13	1.41
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	13	1.41
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	13	1.41
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	13	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	3	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	3	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	3	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	3	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	3	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	3	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	13	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	13	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	13	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	13	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	13	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	13	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	19	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	19	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	19	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	19	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	19	1.41
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	19	1.41
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	2	1.41
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	2	1.41
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	2	1.41
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	2	1.41
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	2	1.41
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	2	1.41
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	3	1.41
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	3	1.41
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	3	1.41
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	3	1.41
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD11	10	1.41
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD12	10	1.41
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD13	10	1.41
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD21	10	1.41
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD22	10	1.41
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD23	10	1.41
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD11	11	1.41
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD12	11	1.41
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD13	11	1.41
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD21	11	1.41
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD22	11	1.41
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD23	11	1.41
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD11	15	1.41
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD12	15	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD13	15	1.41
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD21	15	1.41
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD22	15	1.41
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD23	15	1.41
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	13	1.41
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD1	11	1.4
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD2	11	1.4
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	3	1.4
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	8	1.4
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	19	1.4
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	9	1.4
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	12	1.4
(1,2127)	1:423:A:GLN:H	1:423:A:GLN:HG2	7	1.4
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	2	1.4
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	18	1.4
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	18	1.4
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	10	1.4
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	10	1.4
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	14	1.4
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	14	1.4
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	12	1.4
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	18	1.4
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	4	1.4
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	9	1.4
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	9	1.4
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	20	1.4
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	20	1.4
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	12	1.4
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	17	1.4
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	17	1.4
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	17	1.4
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	17	1.4
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	4	1.4
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	4	1.4
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	11	1.4
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	11	1.4
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	11	1.4
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	20	1.4
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	20	1.4
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	20	1.4
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	20	1.4
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	20	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	20	1.4
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	20	1.4
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	20	1.4
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	20	1.4
(1,882)	1:463:A:ILE:H	1:463:A:ILE:HD11	1	1.4
(1,882)	1:463:A:ILE:H	1:463:A:ILE:HD12	1	1.4
(1,882)	1:463:A:ILE:H	1:463:A:ILE:HD13	1	1.4
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	13	1.4
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	13	1.4
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	13	1.4
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	5	1.4
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	5	1.4
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	5	1.4
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	5	1.4
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	5	1.4
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	5	1.4
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	12	1.4
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	12	1.4
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	12	1.4
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	12	1.4
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	12	1.4
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	12	1.4
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	5	1.4
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	5	1.4
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	5	1.4
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	14	1.4
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	14	1.4
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	14	1.4
(1,591)	1:469:A:PHE:HB3	1:476:A:LEU:H	19	1.4
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	12	1.4
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	12	1.4
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	12	1.4
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	12	1.4
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	3	1.4
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	3	1.4
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	3	1.4
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	4	1.4
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	4	1.4
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	4	1.4
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	6	1.4
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	6	1.4
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	6	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	9	1.4
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	9	1.4
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	9	1.4
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	1	1.4
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	1	1.4
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	1	1.4
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	18	1.4
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	14	1.4
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	14	1.4
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	14	1.4
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	14	1.4
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	14	1.4
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	14	1.4
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	3	1.4
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	3	1.4
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	3	1.4
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	3	1.4
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	3	1.4
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	3	1.4
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	13	1.4
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	13	1.4
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	13	1.4
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	13	1.4
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	13	1.4
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	13	1.4
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	8	1.4
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	5	1.39
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	5	1.39
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	13	1.39
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	13	1.39
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	17	1.39
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	17	1.39
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	7	1.39
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	7	1.39
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	7	1.39
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	12	1.39
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	10	1.39
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	10	1.39
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	10	1.39
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	3	1.39
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	3	1.39
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	16	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	14	1.39
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	20	1.39
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	20	1.39
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	13	1.39
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	13	1.39
(1,1805)	1:490:A:TYR:H	1:490:A:TYR:HB2	10	1.39
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	14	1.39
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	10	1.39
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	10	1.39
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	7	1.39
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	7	1.39
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	7	1.39
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	8	1.39
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	8	1.39
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	8	1.39
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	8	1.39
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	8	1.39
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	8	1.39
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	7	1.39
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	7	1.39
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	17	1.39
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	10	1.39
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	20	1.39
(1,1090)	1:441:A:GLN:H	1:441:A:GLN:HG2	18	1.39
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	13	1.39
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	13	1.39
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	13	1.39
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	13	1.39
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	13	1.39
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	13	1.39
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	13	1.39
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	13	1.39
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	13	1.39
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	16	1.39
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	16	1.39
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	16	1.39
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	16	1.39
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	16	1.39
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	16	1.39
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	16	1.39
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	16	1.39
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	16	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	15	1.39
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	15	1.39
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	15	1.39
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	20	1.39
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	12	1.39
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	12	1.39
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	19	1.39
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	19	1.39
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	8	1.39
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	8	1.39
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	8	1.39
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	8	1.39
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	8	1.39
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	8	1.39
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	17	1.39
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	17	1.39
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	17	1.39
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	17	1.39
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	17	1.39
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	17	1.39
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	15	1.39
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	15	1.39
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	10	1.39
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	4	1.39
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	9	1.39
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	9	1.39
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	9	1.39
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	17	1.39
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	17	1.39
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	17	1.39
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	6	1.39
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	6	1.39
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	6	1.39
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	6	1.39
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	6	1.39
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	6	1.39
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	6	1.39
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	6	1.39
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	6	1.39
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	6	1.39
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	6	1.39
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	6	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	6	1.39
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	6	1.39
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	6	1.39
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	6	1.39
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	6	1.39
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	6	1.39
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	17	1.39
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	17	1.39
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	17	1.39
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	17	1.39
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	17	1.39
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	17	1.39
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	17	1.39
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	17	1.39
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	17	1.39
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	19	1.39
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	19	1.39
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	19	1.39
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	19	1.39
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	19	1.39
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	19	1.39
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	3	1.39
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	3	1.39
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	3	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	5	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	5	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	5	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	5	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	5	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	5	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	15	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	15	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	15	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	15	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	15	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	15	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	16	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	16	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	16	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	16	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	16	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	16	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	17	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	17	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	17	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	17	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	17	1.39
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	17	1.39
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	20	1.38
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	20	1.38
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	4	1.38
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	1	1.38
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	11	1.38
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	14	1.38
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	1	1.38
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	16	1.38
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	8	1.38
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	2	1.38
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	15	1.38
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	15	1.38
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	5	1.38
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	5	1.38
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	11	1.38
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	11	1.38
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	11	1.38
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	11	1.38
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	11	1.38
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	11	1.38
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	16	1.38
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	16	1.38
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	16	1.38
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	16	1.38
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	18	1.38
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	18	1.38
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	18	1.38
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	4	1.38
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	5	1.38
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	2	1.38
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	17	1.38
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	13	1.38
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	13	1.38
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	13	1.38
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	2	1.38
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	19	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:440:A:LYS:HD2	1:441:A:GLN:HG3	7	1.38
(1,1081)	1:440:A:LYS:HD3	1:441:A:GLN:HG3	7	1.38
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	18	1.38
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	18	1.38
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	10	1.38
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	3	1.38
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	8	1.38
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	12	1.38
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	12	1.38
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	12	1.38
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	12	1.38
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	12	1.38
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	12	1.38
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	12	1.38
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	12	1.38
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	12	1.38
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	15	1.38
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	15	1.38
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	15	1.38
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	15	1.38
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	15	1.38
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	15	1.38
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	15	1.38
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	15	1.38
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	15	1.38
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	17	1.38
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	17	1.38
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	17	1.38
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	17	1.38
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	17	1.38
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	17	1.38
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	17	1.38
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	17	1.38
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	17	1.38
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	19	1.38
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	19	1.38
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	19	1.38
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	2	1.38
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	2	1.38
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	2	1.38
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	2	1.38
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	2	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	2	1.38
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	10	1.38
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	10	1.38
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	10	1.38
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	10	1.38
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	10	1.38
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	10	1.38
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	20	1.38
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	20	1.38
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	20	1.38
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	20	1.38
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	20	1.38
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	20	1.38
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	20	1.38
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	20	1.38
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	20	1.38
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	18	1.38
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	18	1.38
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	4	1.38
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	4	1.38
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	16	1.38
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	16	1.38
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	16	1.38
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	16	1.38
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	16	1.38
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	16	1.38
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	16	1.38
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	20	1.38
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	20	1.38
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	20	1.38
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	13	1.38
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	13	1.38
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	13	1.38
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	13	1.38
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	13	1.38
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	13	1.38
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	13	1.38
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	13	1.38
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	13	1.38
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	15	1.38
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	15	1.38
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	15	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	16	1.38
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	16	1.38
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	16	1.38
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB2	19	1.38
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB3	19	1.38
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	10	1.38
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	10	1.38
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	10	1.38
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	10	1.38
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	10	1.38
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	10	1.38
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	11	1.38
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	11	1.38
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	11	1.38
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	11	1.38
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	11	1.38
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	11	1.38
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD11	2	1.38
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD12	2	1.38
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD13	2	1.38
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD21	2	1.38
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD22	2	1.38
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD23	2	1.38
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	5	1.38
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	5	1.38
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	7	1.37
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	7	1.37
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	11	1.37
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	11	1.37
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	17	1.37
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	17	1.37
(1,2337)	1:410:A:TYR:HD1	1:477:A:LYS:HG2	14	1.37
(1,2337)	1:410:A:TYR:HD1	1:477:A:LYS:HG3	14	1.37
(1,2337)	1:410:A:TYR:HD2	1:477:A:LYS:HG2	14	1.37
(1,2337)	1:410:A:TYR:HD2	1:477:A:LYS:HG3	14	1.37
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	4	1.37
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	4	1.37
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	9	1.37
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	11	1.37
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	12	1.37
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	14	1.37
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	6	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	15	1.37
(1,2127)	1:423:A:GLN:H	1:423:A:GLN:HG2	1	1.37
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	3	1.37
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	13	1.37
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	17	1.37
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD11	1	1.37
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD12	1	1.37
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD13	1	1.37
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD21	1	1.37
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD22	1	1.37
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD23	1	1.37
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	6	1.37
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	6	1.37
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	16	1.37
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	16	1.37
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	5	1.37
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	18	1.37
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	2	1.37
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	2	1.37
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	1	1.37
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	1	1.37
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	15	1.37
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	15	1.37
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	15	1.37
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	15	1.37
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	15	1.37
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	15	1.37
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	20	1.37
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	20	1.37
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	2	1.37
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	2	1.37
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	2	1.37
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	3	1.37
(1,1090)	1:441:A:GLN:H	1:441:A:GLN:HG2	8	1.37
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	6	1.37
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	6	1.37
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	4	1.37
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	4	1.37
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	4	1.37
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	4	1.37
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	4	1.37
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	4	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	4	1.37
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	4	1.37
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	4	1.37
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	12	1.37
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	12	1.37
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	12	1.37
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	12	1.37
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	12	1.37
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	12	1.37
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	12	1.37
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	12	1.37
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	12	1.37
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	14	1.37
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	14	1.37
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	14	1.37
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	14	1.37
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	14	1.37
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	14	1.37
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	14	1.37
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	14	1.37
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	14	1.37
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	11	1.37
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	11	1.37
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	11	1.37
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	11	1.37
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	11	1.37
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	11	1.37
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	11	1.37
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	11	1.37
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	11	1.37
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	14	1.37
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	14	1.37
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	14	1.37
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	20	1.37
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	20	1.37
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	20	1.37
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	13	1.37
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	13	1.37
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	13	1.37
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	6	1.37
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	6	1.37
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	6	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	14	1.37
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	14	1.37
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	14	1.37
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	3	1.37
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	3	1.37
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	3	1.37
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	3	1.37
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD11	13	1.37
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD12	13	1.37
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD13	13	1.37
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD21	13	1.37
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD22	13	1.37
(1,151)	1:439:A:ASP:HB3	1:444:A:LEU:HD23	13	1.37
(1,65)	1:444:A:LEU:HG	1:445:A:SER:H	9	1.37
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	18	1.37
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	15	1.36
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	15	1.36
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	16	1.36
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	17	1.36
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	17	1.36
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	17	1.36
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	20	1.36
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	7	1.36
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	4	1.36
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	4	1.36
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	9	1.36
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	19	1.36
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	7	1.36
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	7	1.36
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	1	1.36
(1,1683)	1:482:A:ARG:H	1:482:A:ARG:HG2	17	1.36
(1,1683)	1:482:A:ARG:H	1:482:A:ARG:HG3	17	1.36
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	18	1.36
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	18	1.36
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	18	1.36
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	18	1.36
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	8	1.36
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	8	1.36
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	8	1.36
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	19	1.36
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	19	1.36
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	19	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	20	1.36
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	20	1.36
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	9	1.36
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	14	1.36
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	14	1.36
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	19	1.36
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	19	1.36
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	19	1.36
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	19	1.36
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	19	1.36
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	19	1.36
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	2	1.36
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	2	1.36
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	19	1.36
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	19	1.36
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	20	1.36
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	20	1.36
(1,1490)	1:481:A:LYS:HA	1:481:A:LYS:HD2	17	1.36
(1,1489)	1:481:A:LYS:HA	1:481:A:LYS:HD3	16	1.36
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	10	1.36
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	19	1.36
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	19	1.36
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	19	1.36
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	19	1.36
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	19	1.36
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	19	1.36
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	1	1.36
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	1	1.36
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	1	1.36
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	1	1.36
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	10	1.36
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	10	1.36
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	10	1.36
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	10	1.36
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	10	1.36
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	10	1.36
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	10	1.36
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	14	1.36
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	17	1.36
(1,1090)	1:441:A:GLN:H	1:441:A:GLN:HG2	5	1.36
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	13	1.36
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	13	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	13	1.36
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	14	1.36
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	14	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	2	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	2	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	2	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	2	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	2	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	2	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	2	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	2	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	2	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	6	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	6	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	6	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	6	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	6	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	6	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	6	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	6	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	6	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	7	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	7	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	7	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	7	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	7	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	7	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	7	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	7	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	7	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	8	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	8	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	8	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	8	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	8	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	8	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	8	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	8	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	8	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	10	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	10	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	10	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	10	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	10	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	10	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	10	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	10	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	10	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	11	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	11	1.36
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	11	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	11	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	11	1.36
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	11	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	11	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	11	1.36
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	11	1.36
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	11	1.36
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	11	1.36
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	11	1.36
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	1	1.36
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	1	1.36
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	1	1.36
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	1	1.36
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	1	1.36
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	1	1.36
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	1	1.36
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	1	1.36
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	1	1.36
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	3	1.36
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	3	1.36
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	3	1.36
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	3	1.36
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	3	1.36
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	3	1.36
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	3	1.36
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	3	1.36
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	3	1.36
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	10	1.36
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	10	1.36
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	10	1.36
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	10	1.36
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	10	1.36
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	10	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	10	1.36
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	10	1.36
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	10	1.36
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	12	1.36
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	15	1.36
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	19	1.36
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	11	1.36
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	11	1.36
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	11	1.36
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	1	1.36
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	1	1.36
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	2	1.36
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	2	1.36
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	13	1.36
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	13	1.36
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	9	1.36
(1,701)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	9	1.36
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	9	1.36
(1,701)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	9	1.36
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	9	1.36
(1,701)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	9	1.36
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	20	1.36
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	20	1.36
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	6	1.36
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	15	1.36
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	10	1.36
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	10	1.36
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	10	1.36
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	5	1.36
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	5	1.36
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	5	1.36
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	5	1.36
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	12	1.36
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	12	1.36
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	12	1.36
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	12	1.36
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	12	1.36
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	12	1.36
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	12	1.36
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	12	1.36
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	12	1.36
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	14	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	14	1.36
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	14	1.36
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	14	1.36
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	2	1.36
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	2	1.36
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	2	1.36
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	2	1.36
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	2	1.36
(1,156)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	2	1.36
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	9	1.36
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	9	1.36
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	9	1.36
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	9	1.36
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	9	1.36
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	9	1.36
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	9	1.36
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	9	1.36
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	9	1.36
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	9	1.36
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	9	1.36
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	9	1.36
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	20	1.36
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	20	1.36
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	16	1.36
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	16	1.36
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	16	1.36
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	16	1.36
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	16	1.36
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	16	1.36
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	4	1.36
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	4	1.36
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	4	1.36
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	4	1.36
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	4	1.36
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	4	1.36
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD1	5	1.35
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD2	5	1.35
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD1	16	1.35
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD2	16	1.35
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	6	1.35
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	4	1.35
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	8	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	8	1.35
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	1	1.35
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	4	1.35
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	4	1.35
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	2	1.35
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	2	1.35
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	2	1.35
(1,1925)	1:452:A:SER:HB2	1:453:A:TYR:H	4	1.35
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	4	1.35
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	12	1.35
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	6	1.35
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	6	1.35
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	13	1.35
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	10	1.35
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	10	1.35
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	8	1.35
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	15	1.35
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	13	1.35
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	19	1.35
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	9	1.35
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	9	1.35
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	15	1.35
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	15	1.35
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	19	1.35
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	5	1.35
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	5	1.35
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	5	1.35
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	5	1.35
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	5	1.35
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	5	1.35
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	9	1.35
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	9	1.35
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	9	1.35
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	9	1.35
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	9	1.35
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	9	1.35
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	10	1.35
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	10	1.35
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	10	1.35
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	20	1.35
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	20	1.35
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	20	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	4	1.35
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	10	1.35
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	1	1.35
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	1	1.35
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	1	1.35
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	5	1.35
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	5	1.35
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	5	1.35
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	5	1.35
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	5	1.35
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	5	1.35
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	5	1.35
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	5	1.35
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	5	1.35
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	9	1.35
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	9	1.35
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	9	1.35
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	9	1.35
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	9	1.35
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	9	1.35
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	9	1.35
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	9	1.35
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	9	1.35
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	15	1.35
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	15	1.35
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	15	1.35
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	15	1.35
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	15	1.35
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	15	1.35
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	15	1.35
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	15	1.35
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	15	1.35
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	18	1.35
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	18	1.35
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	18	1.35
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	18	1.35
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	18	1.35
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	18	1.35
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	18	1.35
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	18	1.35
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	18	1.35
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	1	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	1	1.35
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	1	1.35
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	4	1.35
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	4	1.35
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	4	1.35
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	4	1.35
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	4	1.35
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	4	1.35
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	19	1.35
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	19	1.35
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	2	1.35
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	2	1.35
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	2	1.35
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	7	1.35
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	7	1.35
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	7	1.35
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	1	1.35
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	9	1.35
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	9	1.35
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	9	1.35
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	9	1.35
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	9	1.35
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	9	1.35
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	18	1.35
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	18	1.35
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	18	1.35
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	18	1.35
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	18	1.35
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	18	1.35
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	11	1.35
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	11	1.35
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	11	1.35
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	11	1.35
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	18	1.35
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	18	1.35
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	18	1.35
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	18	1.35
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	18	1.35
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	18	1.35
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	15	1.35
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	15	1.35
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	17	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	17	1.35
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	17	1.35
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	17	1.35
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	17	1.35
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	17	1.35
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	17	1.35
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	17	1.35
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	17	1.35
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	17	1.35
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	17	1.35
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	17	1.35
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	17	1.35
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	17	1.35
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	17	1.35
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	17	1.35
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	17	1.35
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	17	1.35
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	12	1.35
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	12	1.35
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	12	1.35
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	19	1.35
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	19	1.35
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	19	1.35
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	19	1.35
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	19	1.35
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	19	1.35
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	9	1.35
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	16	1.35
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	16	1.34
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	16	1.34
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	6	1.34
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	6	1.34
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	1	1.34
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	1	1.34
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	2	1.34
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	2	1.34
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	2	1.34
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	12	1.34
(1,2306)	1:398:A:GLN:HE21	1:408:A:PHE:HE1	8	1.34
(1,2306)	1:398:A:GLN:HE21	1:408:A:PHE:HE2	8	1.34
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	14	1.34
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	6	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	15	1.34
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	11	1.34
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	14	1.34
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	18	1.34
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	10	1.34
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	18	1.34
(1,1922)	1:452:A:SER:HB3	1:453:A:TYR:H	7	1.34
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	7	1.34
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	7	1.34
(1,1769)	1:446:A:LYS:H	1:447:A:CYS:H	4	1.34
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	3	1.34
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	3	1.34
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	12	1.34
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	12	1.34
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	20	1.34
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	20	1.34
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	4	1.34
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	4	1.34
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	6	1.34
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	5	1.34
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	5	1.34
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	13	1.34
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	13	1.34
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	13	1.34
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	19	1.34
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	18	1.34
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	18	1.34
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	13	1.34
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	13	1.34
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	2	1.34
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	10	1.34
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	14	1.34
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	14	1.34
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	14	1.34
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	14	1.34
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	14	1.34
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	14	1.34
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	18	1.34
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	18	1.34
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	18	1.34
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	18	1.34
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	18	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	18	1.34
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	7	1.34
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	7	1.34
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	9	1.34
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	9	1.34
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	9	1.34
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	12	1.34
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	12	1.34
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	12	1.34
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	20	1.34
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	10	1.34
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	6	1.34
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	13	1.34
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	15	1.34
(1,1081)	1:440:A:LYS:HD2	1:441:A:GLN:HG3	20	1.34
(1,1081)	1:440:A:LYS:HD3	1:441:A:GLN:HG3	20	1.34
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	10	1.34
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	10	1.34
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	9	1.34
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	13	1.34
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	1	1.34
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	1	1.34
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	1	1.34
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	1	1.34
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	1	1.34
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	1	1.34
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	1	1.34
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	1	1.34
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	1	1.34
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	19	1.34
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	19	1.34
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	19	1.34
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	19	1.34
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	19	1.34
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	19	1.34
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	19	1.34
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	19	1.34
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	19	1.34
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	17	1.34
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	17	1.34
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	17	1.34
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	17	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	17	1.34
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	17	1.34
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	6	1.34
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	6	1.34
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	6	1.34
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	6	1.34
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	6	1.34
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	6	1.34
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	8	1.34
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	8	1.34
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	8	1.34
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	8	1.34
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	8	1.34
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	8	1.34
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	11	1.34
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	11	1.34
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	11	1.34
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	11	1.34
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	11	1.34
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	11	1.34
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	12	1.34
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	12	1.34
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	12	1.34
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	8	1.34
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	15	1.34
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	9	1.34
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	14	1.34
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	14	1.34
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	11	1.34
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	11	1.34
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	11	1.34
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	13	1.34
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	13	1.34
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	13	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	2	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	2	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	2	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	2	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	2	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	2	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	3	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	3	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	3	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	3	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	3	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	3	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	5	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	5	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	5	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	5	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	5	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	5	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	15	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	15	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	15	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	15	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	15	1.34
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	15	1.34
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	10	1.34
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	10	1.34
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	10	1.34
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	10	1.34
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	2	1.34
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	2	1.34
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	2	1.34
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	20	1.34
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	20	1.34
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	20	1.34
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	9	1.34
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	6	1.34
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	6	1.34
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	6	1.34
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	3	1.34
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	3	1.34
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	3	1.34
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	3	1.34
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	3	1.34
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	3	1.34
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	6	1.34
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	6	1.34
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	6	1.34
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	6	1.34
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	6	1.34
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	6	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	11	1.33
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	11	1.33
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	18	1.33
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	18	1.33
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	18	1.33
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	4	1.33
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	12	1.33
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	12	1.33
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	5	1.33
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	16	1.33
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	13	1.33
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	13	1.33
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	13	1.33
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	6	1.33
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD11	7	1.33
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD12	7	1.33
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD13	7	1.33
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD21	7	1.33
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD22	7	1.33
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD23	7	1.33
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	5	1.33
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	19	1.33
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	11	1.33
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	11	1.33
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	19	1.33
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	19	1.33
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	16	1.33
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	5	1.33
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	3	1.33
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	3	1.33
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	3	1.33
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	3	1.33
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	15	1.33
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	1	1.33
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	1	1.33
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	1	1.33
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	1	1.33
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	1	1.33
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	11	1.33
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	11	1.33
(1,1399)	1:413:A:PRO:HB2	1:469:A:PHE:HB2	16	1.33
(1,1399)	1:413:A:PRO:HB3	1:469:A:PHE:HB2	16	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	7	1.33
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	7	1.33
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	7	1.33
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	7	1.33
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	7	1.33
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	7	1.33
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	11	1.33
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	11	1.33
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	11	1.33
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	11	1.33
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	11	1.33
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	11	1.33
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	4	1.33
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	4	1.33
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	4	1.33
(1,1307)	1:473:A:MET:HG3	1:474:A:LYS:HG3	7	1.33
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	8	1.33
(1,1081)	1:440:A:LYS:HD2	1:441:A:GLN:HG3	17	1.33
(1,1081)	1:440:A:LYS:HD3	1:441:A:GLN:HG3	17	1.33
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	9	1.33
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	9	1.33
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	20	1.33
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	20	1.33
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	3	1.33
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	3	1.33
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	3	1.33
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	3	1.33
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	3	1.33
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	3	1.33
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	3	1.33
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	3	1.33
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	3	1.33
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	17	1.33
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	17	1.33
(1,913)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	17	1.33
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	17	1.33
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	17	1.33
(1,913)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	17	1.33
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	17	1.33
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	17	1.33
(1,913)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	17	1.33
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	9	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	9	1.33
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	9	1.33
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	19	1.33
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	19	1.33
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	19	1.33
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	20	1.33
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	20	1.33
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	20	1.33
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	19	1.33
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	19	1.33
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	19	1.33
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	19	1.33
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	19	1.33
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	19	1.33
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	19	1.33
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	19	1.33
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	19	1.33
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	11	1.33
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	11	1.33
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	11	1.33
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	11	1.33
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	11	1.33
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	11	1.33
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	13	1.33
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	13	1.33
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	13	1.33
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	13	1.33
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	13	1.33
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	13	1.33
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	16	1.33
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	16	1.33
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	16	1.33
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	16	1.33
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	16	1.33
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	16	1.33
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	1	1.33
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	1	1.33
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	1	1.33
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	1	1.33
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	1	1.33
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	1	1.33
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	16	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	16	1.33
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	16	1.33
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	16	1.33
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	16	1.33
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	16	1.33
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	19	1.33
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	19	1.33
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	19	1.33
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	19	1.33
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	19	1.33
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	19	1.33
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	9	1.33
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	9	1.33
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	13	1.33
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	13	1.33
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	13	1.33
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	13	1.33
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	13	1.33
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	13	1.33
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	18	1.33
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	13	1.33
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	5	1.33
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	5	1.33
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	5	1.33
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	7	1.33
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	7	1.33
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	7	1.33
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	7	1.33
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	7	1.33
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	7	1.33
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	12	1.33
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	12	1.33
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	6	1.33
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	2	1.33
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	2	1.33
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	2	1.33
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	7	1.33
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	7	1.33
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	7	1.33
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	12	1.33
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	12	1.33
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	12	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	18	1.33
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	18	1.33
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	2	1.33
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	2	1.33
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	2	1.33
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	12	1.33
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	12	1.33
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	12	1.33
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	4	1.33
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	4	1.33
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	4	1.33
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	4	1.33
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	4	1.33
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	4	1.33
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	4	1.33
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	4	1.33
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	4	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	7	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	7	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	7	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	7	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	7	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	7	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	8	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	8	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	8	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	8	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	8	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	8	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	19	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	19	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	19	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	19	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	19	1.33
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	19	1.33
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	13	1.33
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	6	1.32
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	6	1.32
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	14	1.32
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	14	1.32
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	13	1.32
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	10	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	16	1.32
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	10	1.32
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	12	1.32
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	12	1.32
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	6	1.32
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	16	1.32
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	16	1.32
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	4	1.32
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	20	1.32
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	17	1.32
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	17	1.32
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	17	1.32
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	17	1.32
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	17	1.32
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	1	1.32
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	3	1.32
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	3	1.32
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	3	1.32
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	3	1.32
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	3	1.32
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	3	1.32
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	8	1.32
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	8	1.32
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	8	1.32
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	8	1.32
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	4	1.32
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	4	1.32
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	10	1.32
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	10	1.32
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	5	1.32
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	5	1.32
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	5	1.32
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	19	1.32
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	20	1.32
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	13	1.32
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	11	1.32
(1,1090)	1:441:A:GLN:H	1:441:A:GLN:HG2	2	1.32
(1,1090)	1:441:A:GLN:H	1:441:A:GLN:HG2	4	1.32
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	8	1.32
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	8	1.32
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	8	1.32
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	8	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	10	1.32
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	10	1.32
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	10	1.32
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	3	1.32
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	14	1.32
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	14	1.32
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	14	1.32
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	14	1.32
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	14	1.32
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	14	1.32
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	14	1.32
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	14	1.32
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	14	1.32
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	14	1.32
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	14	1.32
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	14	1.32
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	5	1.32
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	20	1.32
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	12	1.32
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	18	1.32
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	14	1.32
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	14	1.32
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	12	1.32
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	12	1.32
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	12	1.32
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	3	1.32
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	10	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	6	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	6	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	6	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	6	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	6	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	6	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	10	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	10	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	10	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	10	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	10	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	10	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	17	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	17	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	17	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	17	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	17	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	17	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	19	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	19	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	19	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	19	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	19	1.32
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	19	1.32
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	17	1.32
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	17	1.32
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	17	1.32
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	17	1.32
(1,506)	1:477:A:LYS:HE2	1:479:A:GLN:HA	17	1.32
(1,506)	1:477:A:LYS:HE3	1:479:A:GLN:HA	17	1.32
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	19	1.32
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	19	1.32
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	19	1.32
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	19	1.32
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	19	1.32
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	19	1.32
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	6	1.32
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	6	1.32
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	6	1.32
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB1	1	1.32
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB2	1	1.32
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB3	1	1.32
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	6	1.32
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	6	1.32
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	6	1.32
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	8	1.32
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	8	1.32
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	8	1.32
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	17	1.32
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	17	1.32
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	17	1.32
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	6	1.32
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	6	1.32
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	6	1.32
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	6	1.32
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	6	1.32
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	6	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	8	1.32
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	8	1.32
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	8	1.32
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	8	1.32
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	8	1.32
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	8	1.32
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	14	1.32
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	14	1.32
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	14	1.32
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	14	1.32
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	14	1.32
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	14	1.32
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	18	1.32
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	18	1.32
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	18	1.32
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	18	1.32
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	18	1.32
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	18	1.32
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD11	8	1.32
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD12	8	1.32
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD13	8	1.32
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD21	8	1.32
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD22	8	1.32
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD23	8	1.32
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	12	1.32
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	12	1.32
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	20	1.32
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	20	1.32
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	20	1.32
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	20	1.32
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	20	1.32
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	20	1.32
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	20	1.32
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	20	1.32
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	20	1.32
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	20	1.32
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	20	1.32
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	20	1.32
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	20	1.32
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	20	1.32
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	20	1.32
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	20	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	20	1.32
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	20	1.32
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	9	1.31
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	9	1.31
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	19	1.31
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	19	1.31
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	12	1.31
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	12	1.31
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	6	1.31
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	1	1.31
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	1	1.31
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	11	1.31
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	17	1.31
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	17	1.31
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	16	1.31
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	16	1.31
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	16	1.31
(1,1907)	1:437:A:PHE:HB3	1:438:A:ILE:H	3	1.31
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	1	1.31
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	4	1.31
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	4	1.31
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	16	1.31
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	16	1.31
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	2	1.31
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	2	1.31
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	19	1.31
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	19	1.31
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	19	1.31
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	19	1.31
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	19	1.31
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	19	1.31
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	10	1.31
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	10	1.31
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	10	1.31
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	10	1.31
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	10	1.31
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	10	1.31
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	11	1.31
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	11	1.31
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	11	1.31
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	4	1.31
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	4	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	3	1.31
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	3	1.31
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	7	1.31
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	12	1.31
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	12	1.31
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	13	1.31
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	13	1.31
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	16	1.31
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	16	1.31
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	8	1.31
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	8	1.31
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	11	1.31
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	11	1.31
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	11	1.31
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	17	1.31
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	17	1.31
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	17	1.31
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	6	1.31
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	6	1.31
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	6	1.31
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	6	1.31
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	15	1.31
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	15	1.31
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	13	1.31
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	13	1.31
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	15	1.31
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	15	1.31
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	15	1.31
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	15	1.31
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	15	1.31
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	15	1.31
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	16	1.31
(1,658)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	16	1.31
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	16	1.31
(1,658)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	16	1.31
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	16	1.31
(1,658)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	16	1.31
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	19	1.31
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	5	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	1	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	1	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	1	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	1	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	1	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	1	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	11	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	11	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	11	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	11	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	11	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	11	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	13	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	13	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	13	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	13	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	13	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	13	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	16	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	16	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	16	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	16	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	16	1.31
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	16	1.31
(1,499)	1:440:A:LYS:HE2	1:441:A:GLN:HE21	17	1.31
(1,499)	1:440:A:LYS:HE3	1:441:A:GLN:HE21	17	1.31
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	19	1.31
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	19	1.31
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	19	1.31
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	19	1.31
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	19	1.31
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	19	1.31
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	4	1.31
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	4	1.31
(1,241)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	4	1.31
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	4	1.31
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	4	1.31
(1,241)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	4	1.31
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	4	1.31
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	4	1.31
(1,241)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	4	1.31
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	17	1.31
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	17	1.31
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	17	1.31
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	13	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	13	1.31
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	13	1.31
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	13	1.31
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	13	1.31
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	13	1.31
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	13	1.31
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	13	1.31
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	13	1.31
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	16	1.31
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	16	1.31
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	16	1.31
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	16	1.31
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	16	1.31
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	16	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	2	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	2	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	2	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	2	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	2	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	2	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	9	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	9	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	9	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	9	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	9	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	9	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	15	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	15	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	15	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	15	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	15	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	15	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	16	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	16	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	16	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	16	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	16	1.31
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	16	1.31
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	12	1.31
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	12	1.31
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	12	1.31
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	12	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	12	1.31
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	12	1.31
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	11	1.31
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	11	1.31
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	11	1.31
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	11	1.31
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	11	1.31
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	11	1.31
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	2	1.31
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	9	1.31
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	17	1.31
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	1	1.3
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	1	1.3
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	2	1.3
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	2	1.3
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	3	1.3
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	3	1.3
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	19	1.3
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	19	1.3
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	19	1.3
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	19	1.3
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	19	1.3
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	19	1.3
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	19	1.3
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	19	1.3
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	14	1.3
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	15	1.3
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	15	1.3
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	15	1.3
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	20	1.3
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	12	1.3
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	12	1.3
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	8	1.3
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	14	1.3
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	14	1.3
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	16	1.3
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	16	1.3
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	11	1.3
(1,2172)	1:467:A:ASN:HD22	1:478:A:VAL:HB	13	1.3
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD11	20	1.3
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD12	20	1.3
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD13	20	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD21	20	1.3
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD22	20	1.3
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD23	20	1.3
(1,1805)	1:490:A:TYR:H	1:490:A:TYR:HB2	2	1.3
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	6	1.3
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	9	1.3
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	7	1.3
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	2	1.3
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	2	1.3
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	7	1.3
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	7	1.3
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	18	1.3
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	18	1.3
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	18	1.3
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	16	1.3
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	16	1.3
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	18	1.3
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	18	1.3
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	18	1.3
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	18	1.3
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	18	1.3
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	18	1.3
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	13	1.3
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	13	1.3
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	12	1.3
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	12	1.3
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	12	1.3
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	12	1.3
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	12	1.3
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	12	1.3
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	13	1.3
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	13	1.3
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	13	1.3
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	13	1.3
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	13	1.3
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	13	1.3
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	16	1.3
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	16	1.3
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	16	1.3
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	16	1.3
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	16	1.3
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	16	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	10	1.3
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	10	1.3
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	10	1.3
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	10	1.3
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	4	1.3
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	16	1.3
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	16	1.3
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	1	1.3
(1,1090)	1:441:A:GLN:H	1:441:A:GLN:HG2	13	1.3
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	1	1.3
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	7	1.3
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	7	1.3
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	14	1.3
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	14	1.3
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	14	1.3
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	4	1.3
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	4	1.3
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	4	1.3
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	4	1.3
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	4	1.3
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	4	1.3
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	9	1.3
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	9	1.3
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	9	1.3
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	9	1.3
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	9	1.3
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	9	1.3
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	18	1.3
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	18	1.3
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	18	1.3
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	18	1.3
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	18	1.3
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	18	1.3
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	17	1.3
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	17	1.3
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	17	1.3
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	4	1.3
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	4	1.3
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	4	1.3
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	4	1.3
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	4	1.3
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	15	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	15	1.3
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	15	1.3
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	18	1.3
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	18	1.3
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	18	1.3
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	19	1.3
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	19	1.3
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	19	1.3
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	11	1.3
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	14	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	4	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	4	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	4	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	4	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	4	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	4	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	8	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	8	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	8	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	8	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	8	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	8	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	20	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	20	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	20	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	20	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	20	1.3
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	20	1.3
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	16	1.3
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	16	1.3
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	16	1.3
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	16	1.3
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	16	1.3
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	16	1.3
(1,426)	1:433:A:SER:HB2	1:452:A:SER:HB3	1	1.3
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	18	1.3
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	18	1.3
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	18	1.3
(1,349)	1:405:A:ALA:HB1	1:453:A:TYR:HB2	16	1.3
(1,349)	1:405:A:ALA:HB2	1:453:A:TYR:HB2	16	1.3
(1,349)	1:405:A:ALA:HB3	1:453:A:TYR:HB2	16	1.3
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	11	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	11	1.3
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	11	1.3
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	9	1.3
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	9	1.3
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	9	1.3
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	9	1.3
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	9	1.3
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	9	1.3
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	16	1.3
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	16	1.3
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	16	1.3
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	4	1.3
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	4	1.3
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	4	1.3
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	16	1.3
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	16	1.3
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	16	1.3
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	3	1.3
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	3	1.3
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	3	1.3
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	18	1.3
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	18	1.3
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	18	1.3
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	18	1.3
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	18	1.3
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	18	1.3
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	4	1.3
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	4	1.3
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	4	1.3
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	4	1.3
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	4	1.3
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	4	1.3
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	2	1.3
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	2	1.3
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD11	6	1.3
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD12	6	1.3
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD13	6	1.3
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD21	6	1.3
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD22	6	1.3
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD23	6	1.3
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	7	1.3
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	7	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	7	1.3
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	7	1.3
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	7	1.3
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	7	1.3
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	7	1.3
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	7	1.3
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	7	1.3
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	7	1.3
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	7	1.3
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	7	1.3
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	7	1.3
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	7	1.3
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	7	1.3
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	7	1.3
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	7	1.3
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	7	1.3
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	14	1.3
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	14	1.3
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	14	1.3
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	14	1.3
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	14	1.3
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	14	1.3
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	15	1.3
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	4	1.29
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	4	1.29
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	10	1.29
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	10	1.29
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	14	1.29
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	14	1.29
(1,2319)	1:448:A:PHE:HB2	1:449:A:GLY:H	1	1.29
(1,2319)	1:448:A:PHE:HB3	1:449:A:GLY:H	1	1.29
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	14	1.29
(1,2280)	1:463:A:ILE:HG21	1:464:A:GLN:HE22	10	1.29
(1,2280)	1:463:A:ILE:HG22	1:464:A:GLN:HE22	10	1.29
(1,2280)	1:463:A:ILE:HG23	1:464:A:GLN:HE22	10	1.29
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	2	1.29
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	7	1.29
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	8	1.29
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	8	1.29
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	8	1.29
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	18	1.29
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	18	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	19	1.29
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	19	1.29
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	17	1.29
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	19	1.29
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	5	1.29
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	5	1.29
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	5	1.29
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	18	1.29
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	18	1.29
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	12	1.29
(1,1805)	1:490:A:TYR:H	1:490:A:TYR:HB2	19	1.29
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	16	1.29
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	16	1.29
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	16	1.29
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	16	1.29
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	15	1.29
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	15	1.29
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	5	1.29
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	5	1.29
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	14	1.29
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	14	1.29
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	14	1.29
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	3	1.29
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	5	1.29
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	5	1.29
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	8	1.29
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	8	1.29
(1,1513)	1:398:A:GLN:HB2	1:433:A:SER:HB3	9	1.29
(1,1513)	1:398:A:GLN:HB3	1:433:A:SER:HB3	9	1.29
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	17	1.29
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	17	1.29
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	17	1.29
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	17	1.29
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	17	1.29
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	17	1.29
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	6	1.29
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	6	1.29
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	6	1.29
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	6	1.29
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	6	1.29
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	6	1.29
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	20	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	20	1.29
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	20	1.29
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	20	1.29
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	20	1.29
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	20	1.29
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	1	1.29
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	1	1.29
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	1	1.29
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	1	1.29
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	20	1.29
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	16	1.29
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	16	1.29
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	7	1.29
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	7	1.29
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	9	1.29
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	16	1.29
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	5	1.29
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	5	1.29
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	5	1.29
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	5	1.29
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	15	1.29
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	15	1.29
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	15	1.29
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	15	1.29
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	15	1.29
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	15	1.29
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	14	1.29
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	14	1.29
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	14	1.29
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	14	1.29
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	14	1.29
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	14	1.29
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	6	1.29
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	6	1.29
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	19	1.29
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	19	1.29
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	3	1.29
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	3	1.29
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	3	1.29
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	12	1.29
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	12	1.29
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	12	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	12	1.29
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	12	1.29
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	12	1.29
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	14	1.29
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	14	1.29
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	14	1.29
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	14	1.29
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	14	1.29
(1,528)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	14	1.29
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	2	1.29
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	2	1.29
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	2	1.29
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	2	1.29
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	7	1.29
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	7	1.29
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	7	1.29
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	8	1.29
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	8	1.29
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	8	1.29
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	1	1.29
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	1	1.29
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	1	1.29
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	16	1.29
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	16	1.29
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	16	1.29
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	9	1.29
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	15	1.29
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	10	1.29
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	10	1.29
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	10	1.29
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	10	1.29
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	10	1.29
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	10	1.29
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	10	1.29
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	10	1.29
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	10	1.29
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	19	1.29
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	19	1.29
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	19	1.29
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	19	1.29
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	19	1.29
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	19	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	17	1.29
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	17	1.29
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	17	1.29
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	17	1.29
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	17	1.29
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	17	1.29
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	7	1.29
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	7	1.29
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	7	1.29
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	7	1.29
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	7	1.29
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	7	1.29
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	6	1.29
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	18	1.29
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	17	1.28
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	17	1.28
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	15	1.28
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	18	1.28
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	10	1.28
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	13	1.28
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	3	1.28
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	3	1.28
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	17	1.28
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	17	1.28
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	20	1.28
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	20	1.28
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	19	1.28
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	19	1.28
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	19	1.28
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	10	1.28
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	17	1.28
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	4	1.28
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	4	1.28
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	4	1.28
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	10	1.28
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	10	1.28
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	10	1.28
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	11	1.28
(1,1794)	1:407:A:LEU:HD11	1:479:A:GLN:H	16	1.28
(1,1794)	1:407:A:LEU:HD12	1:479:A:GLN:H	16	1.28
(1,1794)	1:407:A:LEU:HD13	1:479:A:GLN:H	16	1.28
(1,1794)	1:407:A:LEU:HD21	1:479:A:GLN:H	16	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:407:A:LEU:HD22	1:479:A:GLN:H	16	1.28
(1,1794)	1:407:A:LEU:HD23	1:479:A:GLN:H	16	1.28
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	13	1.28
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	17	1.28
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	17	1.28
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	9	1.28
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	9	1.28
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	9	1.28
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	9	1.28
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	12	1.28
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	12	1.28
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	12	1.28
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	12	1.28
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	10	1.28
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	10	1.28
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	3	1.28
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	3	1.28
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD11	18	1.28
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD12	18	1.28
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD13	18	1.28
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD21	18	1.28
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD22	18	1.28
(1,1496)	1:406:A:ASN:HA	1:407:A:LEU:HD23	18	1.28
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	4	1.28
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	4	1.28
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	9	1.28
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	9	1.28
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	9	1.28
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	9	1.28
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	9	1.28
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	9	1.28
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	4	1.28
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	4	1.28
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	4	1.28
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	4	1.28
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	4	1.28
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	4	1.28
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	19	1.28
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	19	1.28
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	19	1.28
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	19	1.28
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	1	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	1	1.28
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	2	1.28
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	11	1.28
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	14	1.28
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	17	1.28
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	17	1.28
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	20	1.28
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	20	1.28
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	6	1.28
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	4	1.28
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	4	1.28
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	15	1.28
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	15	1.28
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	17	1.28
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	17	1.28
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	19	1.28
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	19	1.28
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	11	1.28
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	8	1.28
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	13	1.28
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	13	1.28
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	13	1.28
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	2	1.28
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	2	1.28
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	2	1.28
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	2	1.28
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	2	1.28
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	2	1.28
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	2	1.28
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	2	1.28
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	2	1.28
(1,808)	1:457:A:VAL:HG11	1:458:A:SER:HA	17	1.28
(1,808)	1:457:A:VAL:HG12	1:458:A:SER:HA	17	1.28
(1,808)	1:457:A:VAL:HG13	1:458:A:SER:HA	17	1.28
(1,808)	1:457:A:VAL:HG21	1:458:A:SER:HA	17	1.28
(1,808)	1:457:A:VAL:HG22	1:458:A:SER:HA	17	1.28
(1,808)	1:457:A:VAL:HG23	1:458:A:SER:HA	17	1.28
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	3	1.28
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	3	1.28
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	3	1.28
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	8	1.28
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	8	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	11	1.28
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	11	1.28
(1,611)	1:410:A:TYR:HB3	1:411:A:HIS:HD2	14	1.28
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	4	1.28
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	17	1.28
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	17	1.28
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	17	1.28
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	20	1.28
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	20	1.28
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	20	1.28
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	6	1.28
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	13	1.28
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	13	1.28
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	13	1.28
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	13	1.28
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	3	1.28
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	3	1.28
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	3	1.28
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	3	1.28
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	3	1.28
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	3	1.28
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	2	1.28
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	2	1.28
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	2	1.28
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	19	1.28
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	19	1.28
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	19	1.28
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	19	1.28
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	19	1.28
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	19	1.28
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	19	1.28
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	19	1.28
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	19	1.28
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	19	1.28
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	19	1.28
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	19	1.28
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	19	1.28
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	19	1.28
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	19	1.28
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	19	1.28
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	19	1.28
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	19	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	19	1.28
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	19	1.28
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	19	1.28
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	2	1.28
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	2	1.28
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	2	1.28
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	13	1.28
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	13	1.28
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	13	1.28
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	13	1.28
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	13	1.28
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	13	1.28
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	13	1.28
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	13	1.28
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	13	1.28
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	10	1.28
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	10	1.28
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	10	1.28
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	10	1.28
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	10	1.28
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	10	1.28
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	18	1.28
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	18	1.28
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	18	1.28
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	3	1.28
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	3	1.28
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	3	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	4	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	4	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	4	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	4	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	4	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	4	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	7	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	7	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	7	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	7	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	7	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	7	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	12	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	12	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	12	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	12	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	12	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	12	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	17	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	17	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	17	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	17	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	17	1.28
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	17	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	10	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	10	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	10	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	10	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	10	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	10	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	11	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	11	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	11	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	11	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	11	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	11	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	12	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	12	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	12	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	12	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	12	1.28
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	12	1.28
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	2	1.28
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	2	1.28
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	19	1.28
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	19	1.28
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	6	1.28
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	6	1.28
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	6	1.28
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	6	1.28
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	6	1.28
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	6	1.28
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	6	1.28
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	6	1.28
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	6	1.28
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	6	1.28
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	6	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	6	1.28
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	6	1.28
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	6	1.28
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	6	1.28
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	6	1.28
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	6	1.28
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	6	1.28
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	10	1.28
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	10	1.28
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	10	1.28
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	10	1.28
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	10	1.28
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	10	1.28
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	10	1.28
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	10	1.28
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	10	1.28
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	10	1.28
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	10	1.28
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	10	1.28
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	10	1.28
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	10	1.28
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	10	1.28
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	10	1.28
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	10	1.28
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	10	1.28
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	11	1.28
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	11	1.28
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	11	1.28
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	11	1.28
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	11	1.28
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	11	1.28
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	11	1.28
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	11	1.28
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	11	1.28
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	11	1.28
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	11	1.28
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	11	1.28
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	11	1.28
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	11	1.28
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	11	1.28
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	11	1.28
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	11	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	11	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	4	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	4	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	4	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	4	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	4	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	4	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	5	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	5	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	5	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	5	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	5	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	5	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	9	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	9	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	9	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	9	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	9	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	9	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	15	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	15	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	15	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	15	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	15	1.28
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	15	1.28
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	2	1.28
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	7	1.27
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	7	1.27
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	1	1.27
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	6	1.27
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	10	1.27
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	10	1.27
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	2	1.27
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	2	1.27
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	6	1.27
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	6	1.27
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	13	1.27
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	13	1.27
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	2	1.27
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	5	1.27
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	17	1.27
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	17	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	17	1.27
(1,1922)	1:452:A:SER:HB3	1:453:A:TYR:H	20	1.27
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	20	1.27
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	20	1.27
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	12	1.27
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	5	1.27
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	5	1.27
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	17	1.27
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	10	1.27
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	1	1.27
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	1	1.27
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	13	1.27
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	13	1.27
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	5	1.27
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	5	1.27
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	5	1.27
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	8	1.27
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	8	1.27
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	8	1.27
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	12	1.27
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	12	1.27
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	15	1.27
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	15	1.27
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	6	1.27
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	6	1.27
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	5	1.27
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	8	1.27
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	8	1.27
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	8	1.27
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	8	1.27
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	8	1.27
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	8	1.27
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	11	1.27
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	11	1.27
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	15	1.27
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	15	1.27
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	17	1.27
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	17	1.27
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	13	1.27
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	13	1.27
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	13	1.27
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	8	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	8	1.27
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	8	1.27
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	14	1.27
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	14	1.27
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	5	1.27
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	13	1.27
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	17	1.27
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	13	1.27
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	13	1.27
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	13	1.27
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	20	1.27
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	19	1.27
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	19	1.27
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	19	1.27
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	9	1.27
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	9	1.27
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	9	1.27
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	16	1.27
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	16	1.27
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	16	1.27
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	16	1.27
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	16	1.27
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	16	1.27
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	16	1.27
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	16	1.27
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	16	1.27
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	7	1.27
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	7	1.27
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	7	1.27
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	10	1.27
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	10	1.27
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	10	1.27
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	12	1.27
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	12	1.27
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	12	1.27
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	1	1.27
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	1	1.27
(1,557)	1:421:A:ILE:HG21	1:422:A:LEU:HA	6	1.27
(1,557)	1:421:A:ILE:HG22	1:422:A:LEU:HA	6	1.27
(1,557)	1:421:A:ILE:HG23	1:422:A:LEU:HA	6	1.27
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	15	1.27
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	9	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	9	1.27
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	9	1.27
(1,513)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	9	1.27
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	1	1.27
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	1	1.27
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	1	1.27
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	5	1.27
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	5	1.27
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	5	1.27
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	19	1.27
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	14	1.27
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	20	1.27
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	20	1.27
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	20	1.27
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	9	1.27
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	9	1.27
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	9	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	2	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	2	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	2	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	2	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	2	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	2	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	10	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	10	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	10	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	10	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	10	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	10	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	15	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	15	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	15	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	15	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	15	1.27
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	15	1.27
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	13	1.27
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	13	1.27
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	13	1.27
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	13	1.27
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	13	1.27
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	13	1.27
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	4	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	4	1.27
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	5	1.27
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	5	1.27
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	5	1.27
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	5	1.27
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	5	1.27
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	5	1.27
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	5	1.27
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	5	1.27
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	5	1.27
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	5	1.27
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	5	1.27
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	5	1.27
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	5	1.27
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	5	1.27
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	5	1.27
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	5	1.27
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	5	1.27
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	5	1.27
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	8	1.27
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	8	1.27
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	8	1.27
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	8	1.27
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	8	1.27
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	8	1.27
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	8	1.27
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	8	1.27
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	8	1.27
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	8	1.27
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	8	1.27
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	8	1.27
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	8	1.27
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	8	1.27
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	8	1.27
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	8	1.27
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	8	1.27
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	8	1.27
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	17	1.27
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	17	1.27
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	17	1.27
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	17	1.27
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	17	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	17	1.27
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	17	1.27
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	17	1.27
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	17	1.27
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	17	1.27
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	17	1.27
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	17	1.27
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	17	1.27
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	17	1.27
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	17	1.27
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	17	1.27
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	17	1.27
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	17	1.27
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	19	1.27
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	5	1.27
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	15	1.27
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	13	1.26
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	13	1.26
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	6	1.26
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	6	1.26
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	6	1.26
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	11	1.26
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	11	1.26
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	11	1.26
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	1	1.26
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	13	1.26
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	18	1.26
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	9	1.26
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	7	1.26
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	7	1.26
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	18	1.26
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	18	1.26
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	5	1.26
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	5	1.26
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	7	1.26
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	7	1.26
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	10	1.26
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	10	1.26
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	11	1.26
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	11	1.26
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	9	1.26
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	17	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	13	1.26
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	13	1.26
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	14	1.26
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	14	1.26
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	14	1.26
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	5	1.26
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	5	1.26
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	16	1.26
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	16	1.26
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	7	1.26
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	4	1.26
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	13	1.26
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	13	1.26
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	15	1.26
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	15	1.26
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	7	1.26
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	8	1.26
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	8	1.26
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	16	1.26
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	16	1.26
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	16	1.26
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	17	1.26
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	17	1.26
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	12	1.26
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	12	1.26
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	4	1.26
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	4	1.26
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	16	1.26
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	16	1.26
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	16	1.26
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	5	1.26
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	5	1.26
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD2	16	1.26
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD3	16	1.26
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	13	1.26
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	13	1.26
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	14	1.26
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	14	1.26
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	9	1.26
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	1	1.26
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	20	1.26
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	6	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	6	1.26
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	17	1.26
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	1	1.26
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	1	1.26
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	3	1.26
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	3	1.26
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	3	1.26
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	14	1.26
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	14	1.26
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	14	1.26
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	8	1.26
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	8	1.26
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	2	1.26
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	2	1.26
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	2	1.26
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	4	1.26
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	4	1.26
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	4	1.26
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	14	1.26
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	14	1.26
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	12	1.26
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	13	1.26
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	13	1.26
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	13	1.26
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	13	1.26
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	13	1.26
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	13	1.26
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	13	1.26
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	7	1.26
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	8	1.26
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	11	1.26
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	11	1.26
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	11	1.26
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	19	1.26
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	19	1.26
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	19	1.26
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	7	1.26
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	7	1.26
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	7	1.26
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	9	1.26
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	9	1.26
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	9	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	19	1.26
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	19	1.26
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	19	1.26
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	16	1.26
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	16	1.26
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	16	1.26
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	7	1.26
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	7	1.26
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	7	1.26
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	7	1.26
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	7	1.26
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	7	1.26
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	2	1.26
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	2	1.26
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	2	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	3	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	3	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	3	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	3	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	3	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	3	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	5	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	5	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	5	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	5	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	5	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	5	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	9	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	9	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	9	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	9	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	9	1.26
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	9	1.26
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	5	1.26
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	5	1.26
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	5	1.26
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	5	1.26
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	5	1.26
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	5	1.26
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	20	1.26
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	20	1.26
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	20	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	20	1.26
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	20	1.26
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	20	1.26
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	2	1.26
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	2	1.26
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	2	1.26
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	2	1.26
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	2	1.26
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	2	1.26
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	2	1.26
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	2	1.26
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	2	1.26
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	2	1.26
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	2	1.26
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	2	1.26
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	2	1.26
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	2	1.26
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	2	1.26
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	2	1.26
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	2	1.26
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	2	1.26
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	19	1.26
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	13	1.25
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	3	1.25
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	3	1.25
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	15	1.25
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	17	1.25
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	5	1.25
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	5	1.25
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	5	1.25
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	9	1.25
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	3	1.25
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	5	1.25
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	13	1.25
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	7	1.25
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	4	1.25
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	9	1.25
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	18	1.25
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	18	1.25
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	8	1.25
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	8	1.25
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	8	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	17	1.25
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	17	1.25
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	17	1.25
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	10	1.25
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	3	1.25
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	3	1.25
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	17	1.25
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	17	1.25
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	8	1.25
(1,1805)	1:490:A:TYR:H	1:490:A:TYR:HB2	9	1.25
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	18	1.25
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	13	1.25
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	13	1.25
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	13	1.25
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	13	1.25
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	16	1.25
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	16	1.25
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	16	1.25
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	12	1.25
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	12	1.25
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	16	1.25
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	15	1.25
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	15	1.25
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	15	1.25
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	11	1.25
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	20	1.25
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	4	1.25
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	4	1.25
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	4	1.25
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	13	1.25
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	5	1.25
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	5	1.25
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	12	1.25
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	12	1.25
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	19	1.25
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB2	20	1.25
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB3	20	1.25
(1,1354)	1:400:A:GLU:HB2	1:452:A:SER:HB3	1	1.25
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	20	1.25
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	20	1.25
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	20	1.25
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	20	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	5	1.25
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	5	1.25
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	16	1.25
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	16	1.25
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	10	1.25
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	2	1.25
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	2	1.25
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	11	1.25
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	11	1.25
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	19	1.25
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	19	1.25
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	2	1.25
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	13	1.25
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	13	1.25
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	13	1.25
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	13	1.25
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	14	1.25
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	14	1.25
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	14	1.25
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	10	1.25
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	7	1.25
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	7	1.25
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	7	1.25
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	13	1.25
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	13	1.25
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	13	1.25
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	1	1.25
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	1	1.25
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	1	1.25
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	13	1.25
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	13	1.25
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	13	1.25
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	9	1.25
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	9	1.25
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	9	1.25
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	9	1.25
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	9	1.25
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	9	1.25
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	17	1.25
(1,426)	1:433:A:SER:HB2	1:452:A:SER:HB3	6	1.25
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	16	1.25
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	5	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	16	1.25
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	16	1.25
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	16	1.25
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	5	1.25
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	5	1.25
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	5	1.25
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	13	1.25
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	1	1.25
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	1	1.25
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	1	1.25
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	8	1.25
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	8	1.25
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	8	1.25
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	13	1.25
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	13	1.25
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	13	1.25
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	19	1.25
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	19	1.25
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	19	1.25
(1,159)	1:407:A:LEU:HB2	1:425:A:PHE:HD1	18	1.25
(1,159)	1:407:A:LEU:HB2	1:425:A:PHE:HD2	18	1.25
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	1	1.25
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	1	1.25
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	1	1.25
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	18	1.25
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	18	1.25
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	18	1.25
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	14	1.25
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	14	1.25
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	14	1.25
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	14	1.25
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	14	1.25
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	14	1.25
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	5	1.25
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	5	1.25
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	5	1.25
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	5	1.25
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	14	1.25
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	14	1.25
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	14	1.25
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	14	1.25
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	6	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	6	1.25
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	14	1.25
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	5	1.24
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	5	1.24
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	15	1.24
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	15	1.24
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	3	1.24
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	3	1.24
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	20	1.24
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	17	1.24
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE1	16	1.24
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE2	16	1.24
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	17	1.24
(1,2280)	1:463:A:ILE:HG21	1:464:A:GLN:HE22	14	1.24
(1,2280)	1:463:A:ILE:HG22	1:464:A:GLN:HE22	14	1.24
(1,2280)	1:463:A:ILE:HG23	1:464:A:GLN:HE22	14	1.24
(1,2254)	1:425:A:PHE:H	1:425:A:PHE:HB2	16	1.24
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	4	1.24
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	4	1.24
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	1	1.24
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	1	1.24
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	4	1.24
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	4	1.24
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	9	1.24
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	9	1.24
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	14	1.24
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	10	1.24
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	10	1.24
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	10	1.24
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	12	1.24
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	3	1.24
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	6	1.24
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	3	1.24
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	3	1.24
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	11	1.24
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	11	1.24
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	12	1.24
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	6	1.24
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	6	1.24
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	6	1.24
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	6	1.24
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	3	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	3	1.24
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	3	1.24
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	15	1.24
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	15	1.24
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	15	1.24
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	2	1.24
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	2	1.24
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	7	1.24
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	7	1.24
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	17	1.24
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	17	1.24
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	10	1.24
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	10	1.24
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	4	1.24
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	4	1.24
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	4	1.24
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	4	1.24
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	4	1.24
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	4	1.24
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	18	1.24
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	18	1.24
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	19	1.24
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	19	1.24
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	4	1.24
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	4	1.24
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	4	1.24
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	2	1.24
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	2	1.24
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	2	1.24
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	2	1.24
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	2	1.24
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	2	1.24
(1,1090)	1:441:A:GLN:H	1:441:A:GLN:HG2	1	1.24
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	13	1.24
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	4	1.24
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	4	1.24
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	4	1.24
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	8	1.24
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	8	1.24
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	8	1.24
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	8	1.24
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	8	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	8	1.24
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	8	1.24
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	8	1.24
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	8	1.24
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	17	1.24
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	17	1.24
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	17	1.24
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	3	1.24
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	3	1.24
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	4	1.24
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	7	1.24
(1,424)	1:408:A:PHE:HE1	1:433:A:SER:HB2	9	1.24
(1,424)	1:408:A:PHE:HE2	1:433:A:SER:HB2	9	1.24
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	5	1.24
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	3	1.24
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	3	1.24
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	3	1.24
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	1	1.24
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	1	1.24
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	1	1.24
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	1	1.24
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	1	1.24
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	1	1.24
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	1	1.24
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	1	1.24
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	1	1.24
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	12	1.24
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	12	1.24
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	12	1.24
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	11	1.24
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	11	1.24
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	11	1.24
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	11	1.24
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	11	1.24
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	11	1.24
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	11	1.24
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	11	1.24
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	11	1.24
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	11	1.24
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	11	1.24
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD11	12	1.24
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD12	12	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD13	12	1.24
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD21	12	1.24
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD22	12	1.24
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD23	12	1.24
(1,62)	1:480:A:LEU:HA	1:480:A:LEU:HG	9	1.24
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	11	1.24
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	11	1.24
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	11	1.24
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	11	1.24
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	11	1.24
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	11	1.24
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	15	1.24
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	7	1.24
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	13	1.24
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	18	1.23
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	18	1.23
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	12	1.23
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	8	1.23
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	15	1.23
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	6	1.23
(1,2208)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	15	1.23
(1,2208)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	15	1.23
(1,2127)	1:423:A:GLN:H	1:423:A:GLN:HG2	8	1.23
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	2	1.23
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	2	1.23
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	10	1.23
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	10	1.23
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	15	1.23
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	15	1.23
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	4	1.23
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	4	1.23
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	5	1.23
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	18	1.23
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	7	1.23
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	11	1.23
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	11	1.23
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	7	1.23
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	7	1.23
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	7	1.23
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	7	1.23
(1,1631)	1:475:A:ARG:HG2	1:476:A:LEU:H	19	1.23
(1,1631)	1:475:A:ARG:HG3	1:476:A:LEU:H	19	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	14	1.23
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	14	1.23
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	9	1.23
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	9	1.23
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	11	1.23
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	11	1.23
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	15	1.23
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	15	1.23
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	1	1.23
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	1	1.23
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	2	1.23
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	2	1.23
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	11	1.23
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	11	1.23
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	13	1.23
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	13	1.23
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	14	1.23
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	14	1.23
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	7	1.23
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	7	1.23
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	14	1.23
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	14	1.23
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	14	1.23
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	14	1.23
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	14	1.23
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	14	1.23
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	17	1.23
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	17	1.23
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	17	1.23
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	17	1.23
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	17	1.23
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	17	1.23
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	4	1.23
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	4	1.23
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	4	1.23
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	4	1.23
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	6	1.23
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	3	1.23
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	5	1.23
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	5	1.23
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	18	1.23
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	18	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	18	1.23
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	16	1.23
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	20	1.23
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	16	1.23
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	6	1.23
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	6	1.23
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	6	1.23
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	6	1.23
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	6	1.23
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	6	1.23
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	6	1.23
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	6	1.23
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	6	1.23
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	14	1.23
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	13	1.23
(1,369)	1:401:A:GLY:H	1:452:A:SER:HB2	19	1.23
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	11	1.23
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	11	1.23
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	11	1.23
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	8	1.23
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	8	1.23
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	8	1.23
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE1	13	1.23
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE2	13	1.23
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	1	1.23
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	4	1.23
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	4	1.23
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	4	1.23
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	9	1.23
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	9	1.23
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	9	1.23
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	17	1.23
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	17	1.23
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	17	1.23
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	4	1.23
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	4	1.23
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	4	1.23
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	4	1.23
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	4	1.23
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	4	1.23
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	18	1.23
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	18	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	18	1.23
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	18	1.23
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	18	1.23
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	18	1.23
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	12	1.23
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	12	1.23
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	12	1.23
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	13	1.23
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	13	1.23
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	13	1.23
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	17	1.23
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	17	1.23
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	17	1.23
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	20	1.23
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	20	1.23
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	20	1.23
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	20	1.23
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	20	1.23
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	20	1.23
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	1	1.23
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	1	1.23
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	1	1.23
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	1	1.23
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	1	1.23
(1,109)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	1	1.23
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	13	1.23
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	13	1.23
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	13	1.23
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	13	1.23
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	11	1.23
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	15	1.23
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	15	1.23
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	15	1.23
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	15	1.23
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	15	1.23
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	15	1.23
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	15	1.23
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	15	1.23
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	15	1.23
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	15	1.23
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	15	1.23
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	15	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	15	1.23
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	15	1.23
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	15	1.23
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	15	1.23
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	15	1.23
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	15	1.23
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	19	1.23
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	19	1.23
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	19	1.23
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	19	1.23
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	19	1.23
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	19	1.23
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	10	1.23
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	8	1.22
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	8	1.22
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	12	1.22
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	12	1.22
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	12	1.22
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	19	1.22
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	19	1.22
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	19	1.22
(1,2286)	1:456:A:PRO:HB2	1:460:A:GLN:HE22	3	1.22
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	1	1.22
(1,2209)	1:430:A:ASN:HD21	1:454:A:ASP:HB2	5	1.22
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	15	1.22
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	15	1.22
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	15	1.22
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	2	1.22
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	8	1.22
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	9	1.22
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	10	1.22
(1,2031)	1:482:A:ARG:HB3	1:483:A:SER:H	20	1.22
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	7	1.22
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	7	1.22
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	12	1.22
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	12	1.22
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	4	1.22
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	18	1.22
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	1	1.22
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	1	1.22
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	20	1.22
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	20	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	16	1.22
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	5	1.22
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	5	1.22
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	5	1.22
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	5	1.22
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	9	1.22
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	9	1.22
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	9	1.22
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	12	1.22
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	12	1.22
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	11	1.22
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	11	1.22
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	1	1.22
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	1	1.22
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	13	1.22
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	13	1.22
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	1	1.22
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	1	1.22
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	15	1.22
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	4	1.22
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	16	1.22
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	16	1.22
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	16	1.22
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	9	1.22
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	9	1.22
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	18	1.22
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	18	1.22
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	19	1.22
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	19	1.22
(1,1412)	1:400:A:GLU:HB2	1:401:A:GLY:H	7	1.22
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	17	1.22
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	17	1.22
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	17	1.22
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	17	1.22
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	17	1.22
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	17	1.22
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	6	1.22
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	6	1.22
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	6	1.22
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	6	1.22
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	13	1.22
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	13	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	13	1.22
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	13	1.22
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	7	1.22
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	7	1.22
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	7	1.22
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	7	1.22
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	18	1.22
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	10	1.22
(1,1081)	1:440:A:LYS:HD2	1:441:A:GLN:HG3	11	1.22
(1,1081)	1:440:A:LYS:HD3	1:441:A:GLN:HG3	11	1.22
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	4	1.22
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	4	1.22
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	4	1.22
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	5	1.22
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	5	1.22
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	8	1.22
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	8	1.22
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	8	1.22
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	4	1.22
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	4	1.22
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	4	1.22
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	4	1.22
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	4	1.22
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	4	1.22
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	4	1.22
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	4	1.22
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	4	1.22
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	9	1.22
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	6	1.22
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	6	1.22
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	2	1.22
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	12	1.22
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	12	1.22
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	2	1.22
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	2	1.22
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	2	1.22
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	8	1.22
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	1	1.22
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	1	1.22
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	1	1.22
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	1	1.22
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	14	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	14	1.22
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	14	1.22
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	14	1.22
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	2	1.22
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	20	1.22
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	5	1.22
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	5	1.22
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	5	1.22
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	17	1.22
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	17	1.22
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	17	1.22
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	15	1.22
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	15	1.22
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	15	1.22
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	2	1.22
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	2	1.22
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	2	1.22
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	1	1.22
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	1	1.22
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	1	1.22
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	5	1.22
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	5	1.22
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	5	1.22
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	8	1.22
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	8	1.22
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	8	1.22
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	20	1.22
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	20	1.22
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	20	1.22
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	5	1.22
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	5	1.22
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	5	1.22
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	5	1.22
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	5	1.22
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	5	1.22
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	5	1.22
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	5	1.22
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	5	1.22
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	5	1.22
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	5	1.22
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	5	1.22
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	5	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	5	1.22
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	5	1.22
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	5	1.22
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	5	1.22
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	5	1.22
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	6	1.22
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	6	1.22
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	3	1.22
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	3	1.22
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	3	1.22
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	3	1.22
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	3	1.22
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	3	1.22
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	3	1.22
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	3	1.22
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	3	1.22
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	3	1.22
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	3	1.22
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	3	1.22
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	3	1.22
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	3	1.22
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	3	1.22
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	3	1.22
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	3	1.22
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	3	1.22
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	8	1.22
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	8	1.22
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	8	1.22
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	8	1.22
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	8	1.22
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	8	1.22
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	7	1.22
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	2	1.22
(1,42)	1:407:A:LEU:HD11	1:460:A:GLN:HA	18	1.22
(1,42)	1:407:A:LEU:HD12	1:460:A:GLN:HA	18	1.22
(1,42)	1:407:A:LEU:HD13	1:460:A:GLN:HA	18	1.22
(1,42)	1:407:A:LEU:HD21	1:460:A:GLN:HA	18	1.22
(1,42)	1:407:A:LEU:HD22	1:460:A:GLN:HA	18	1.22
(1,42)	1:407:A:LEU:HD23	1:460:A:GLN:HA	18	1.22
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	5	1.22
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	12	1.21
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	12	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	18	1.21
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	18	1.21
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	20	1.21
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	20	1.21
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	11	1.21
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	9	1.21
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	9	1.21
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	9	1.21
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	15	1.21
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	1	1.21
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	18	1.21
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	18	1.21
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	18	1.21
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	19	1.21
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	3	1.21
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	3	1.21
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	3	1.21
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	9	1.21
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	1	1.21
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	1	1.21
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	1	1.21
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	16	1.21
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	1	1.21
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	1	1.21
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	10	1.21
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	10	1.21
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	15	1.21
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	15	1.21
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	7	1.21
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	7	1.21
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	7	1.21
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	10	1.21
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	10	1.21
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	10	1.21
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	15	1.21
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	11	1.21
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	11	1.21
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	11	1.21
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	7	1.21
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	7	1.21
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	7	1.21
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	7	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	7	1.21
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	12	1.21
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	12	1.21
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	12	1.21
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	13	1.21
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	13	1.21
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	12	1.21
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	12	1.21
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	12	1.21
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	13	1.21
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	13	1.21
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	13	1.21
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	20	1.21
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	20	1.21
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	20	1.21
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	20	1.21
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	11	1.21
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	11	1.21
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	11	1.21
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	11	1.21
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	11	1.21
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	11	1.21
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG11	2	1.21
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG12	2	1.21
(1,1369)	1:466:A:MET:HB2	1:478:A:VAL:HG13	2	1.21
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG11	2	1.21
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG12	2	1.21
(1,1369)	1:466:A:MET:HB3	1:478:A:VAL:HG13	2	1.21
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD2	3	1.21
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD3	3	1.21
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	9	1.21
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	9	1.21
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	15	1.21
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	15	1.21
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	15	1.21
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	2	1.21
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	2	1.21
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	9	1.21
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	15	1.21
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	10	1.21
(1,1109)	1:414:A:GLN:HG2	1:416:A:PHE:H	5	1.21
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	5	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	1	1.21
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	1	1.21
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	16	1.21
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	16	1.21
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	4	1.21
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	10	1.21
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	10	1.21
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	10	1.21
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	3	1.21
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	3	1.21
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	3	1.21
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	11	1.21
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	11	1.21
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	11	1.21
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	17	1.21
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	17	1.21
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	17	1.21
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	11	1.21
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	11	1.21
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	2	1.21
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	2	1.21
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	2	1.21
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	5	1.21
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	5	1.21
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	5	1.21
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	6	1.21
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	6	1.21
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	6	1.21
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	10	1.21
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	10	1.21
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	10	1.21
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	10	1.21
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	10	1.21
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	10	1.21
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	3	1.21
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	11	1.21
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	11	1.21
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	20	1.21
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	20	1.21
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	18	1.21
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	4	1.21
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	4	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	18	1.21
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	18	1.21
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	14	1.21
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	14	1.21
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	11	1.21
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	11	1.21
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	11	1.21
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	19	1.21
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	19	1.21
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	19	1.21
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	3	1.21
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	3	1.21
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	3	1.21
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	4	1.21
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	4	1.21
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	4	1.21
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	9	1.21
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	9	1.21
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	9	1.21
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	15	1.21
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	15	1.21
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	15	1.21
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	5	1.21
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	7	1.21
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	7	1.21
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	7	1.21
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	11	1.21
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	11	1.21
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	11	1.21
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	11	1.21
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	11	1.21
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	11	1.21
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	15	1.21
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	15	1.21
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	15	1.21
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	15	1.21
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	15	1.21
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	15	1.21
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD11	7	1.21
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD12	7	1.21
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD13	7	1.21
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD21	7	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD22	7	1.21
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD23	7	1.21
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	20	1.21
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	20	1.21
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	20	1.21
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	20	1.21
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	20	1.21
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	20	1.21
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	20	1.21
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	20	1.21
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	20	1.21
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	20	1.21
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	20	1.21
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	20	1.21
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	20	1.21
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	20	1.21
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	20	1.21
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	20	1.21
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	20	1.21
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	20	1.21
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	13	1.21
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	13	1.21
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	13	1.21
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	13	1.21
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	13	1.21
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	13	1.21
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	20	1.21
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	20	1.21
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	20	1.21
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	20	1.21
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	20	1.21
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	20	1.21
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	17	1.21
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	17	1.21
(1,65)	1:444:A:LEU:HG	1:445:A:SER:H	7	1.21
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	13	1.2
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	13	1.2
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	11	1.2
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	16	1.2
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	6	1.2
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	6	1.2
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	16	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	14	1.2
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	14	1.2
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	18	1.2
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	18	1.2
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	5	1.2
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	15	1.2
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	10	1.2
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	5	1.2
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	5	1.2
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	13	1.2
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	13	1.2
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	16	1.2
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	16	1.2
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	16	1.2
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	15	1.2
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD11	6	1.2
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD12	6	1.2
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD13	6	1.2
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD21	6	1.2
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD22	6	1.2
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD23	6	1.2
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	5	1.2
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	5	1.2
(1,1749)	1:478:A:VAL:H	1:478:A:VAL:HB	11	1.2
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	9	1.2
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	9	1.2
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	15	1.2
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	15	1.2
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	15	1.2
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	1	1.2
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	1	1.2
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	1	1.2
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	1	1.2
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	2	1.2
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	2	1.2
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	11	1.2
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	11	1.2
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	8	1.2
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	8	1.2
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	20	1.2
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	20	1.2
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	9	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	9	1.2
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	1	1.2
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	1	1.2
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	15	1.2
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	18	1.2
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	14	1.2
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	14	1.2
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	1	1.2
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	1	1.2
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	3	1.2
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	3	1.2
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	6	1.2
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	6	1.2
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	8	1.2
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	8	1.2
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	10	1.2
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	10	1.2
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	9	1.2
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD2	19	1.2
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD3	19	1.2
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	19	1.2
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	19	1.2
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	19	1.2
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	19	1.2
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	6	1.2
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	6	1.2
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	6	1.2
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	6	1.2
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	15	1.2
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	15	1.2
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	15	1.2
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	15	1.2
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	20	1.2
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	20	1.2
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	18	1.2
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	19	1.2
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	19	1.2
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	19	1.2
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	1	1.2
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	1	1.2
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	8	1.2
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	8	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,999)	1:403:A:GLU:H	1:403:A:GLU:HG2	3	1.2
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	14	1.2
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	15	1.2
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	15	1.2
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	15	1.2
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	1	1.2
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	1	1.2
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	1	1.2
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	6	1.2
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	6	1.2
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	6	1.2
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	6	1.2
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	6	1.2
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	6	1.2
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	6	1.2
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	6	1.2
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	6	1.2
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	9	1.2
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	4	1.2
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	12	1.2
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	12	1.2
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	12	1.2
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	14	1.2
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	14	1.2
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	14	1.2
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	2	1.2
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	2	1.2
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	2	1.2
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	2	1.2
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	2	1.2
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	2	1.2
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	2	1.2
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	2	1.2
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	2	1.2
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	9	1.2
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	9	1.2
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	9	1.2
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	9	1.2
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	9	1.2
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	9	1.2
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	6	1.2
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	6	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	6	1.2
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	6	1.2
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	6	1.2
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	6	1.2
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	6	1.2
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	12	1.2
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	12	1.2
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	12	1.2
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	12	1.2
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	12	1.2
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	12	1.2
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	14	1.2
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	14	1.2
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	14	1.2
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	15	1.2
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	15	1.2
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	15	1.2
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	1	1.2
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	1	1.2
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	1	1.2
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	1	1.2
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	1	1.2
(1,111)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	1	1.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	20	1.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	20	1.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	20	1.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	20	1.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	20	1.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	20	1.2
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	10	1.2
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	10	1.2
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	10	1.2
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	10	1.2
(1,62)	1:480:A:LEU:HA	1:480:A:LEU:HG	5	1.2
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	19	1.2
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	19	1.2
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	19	1.2
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	19	1.2
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	19	1.2
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	19	1.2
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	19	1.2
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	19	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	19	1.2
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	19	1.2
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	19	1.2
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	19	1.2
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	19	1.2
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	19	1.2
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	19	1.2
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	19	1.2
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	19	1.2
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	19	1.2
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	6	1.2
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	6	1.2
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	6	1.2
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	6	1.2
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	6	1.2
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	6	1.2
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	9	1.2
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	11	1.2
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	4	1.19
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	4	1.19
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	10	1.19
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	10	1.19
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	7	1.19
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	19	1.19
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	16	1.19
(1,2209)	1:430:A:ASN:HD21	1:454:A:ASP:HB2	3	1.19
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	18	1.19
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	7	1.19
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	7	1.19
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	7	1.19
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	15	1.19
(1,1765)	1:435:A:LYS:HE2	1:437:A:PHE:H	2	1.19
(1,1765)	1:435:A:LYS:HE3	1:437:A:PHE:H	2	1.19
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	8	1.19
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	8	1.19
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	12	1.19
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	12	1.19
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	18	1.19
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	18	1.19
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	1	1.19
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	1	1.19
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	11	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	11	1.19
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	11	1.19
(1,1692)	1:432:A:ILE:HG12	1:454:A:ASP:HB2	10	1.19
(1,1692)	1:432:A:ILE:HG13	1:454:A:ASP:HB2	10	1.19
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	2	1.19
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	2	1.19
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	12	1.19
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	12	1.19
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	19	1.19
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	19	1.19
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	1	1.19
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	19	1.19
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	19	1.19
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	1	1.19
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	1	1.19
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	4	1.19
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	4	1.19
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	12	1.19
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	12	1.19
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	15	1.19
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	15	1.19
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	16	1.19
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	16	1.19
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	16	1.19
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	16	1.19
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	16	1.19
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	16	1.19
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	4	1.19
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	4	1.19
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	4	1.19
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	4	1.19
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	9	1.19
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	9	1.19
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	9	1.19
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	9	1.19
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	7	1.19
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE1	14	1.19
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE2	14	1.19
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE1	14	1.19
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE2	14	1.19
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	5	1.19
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	6	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	12	1.19
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	12	1.19
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	4	1.19
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	9	1.19
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	2	1.19
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	2	1.19
(1,885)	1:463:A:ILE:HD11	1:480:A:LEU:HA	17	1.19
(1,885)	1:463:A:ILE:HD12	1:480:A:LEU:HA	17	1.19
(1,885)	1:463:A:ILE:HD13	1:480:A:LEU:HA	17	1.19
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	2	1.19
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	2	1.19
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	2	1.19
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	4	1.19
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	4	1.19
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	4	1.19
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	4	1.19
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	4	1.19
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	4	1.19
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	4	1.19
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	4	1.19
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	4	1.19
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	20	1.19
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	20	1.19
(1,855)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	20	1.19
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	20	1.19
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	20	1.19
(1,855)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	20	1.19
(1,786)	1:485:A:ASN:HB2	1:486:A:ASP:H	11	1.19
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	4	1.19
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	4	1.19
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	17	1.19
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	17	1.19
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	17	1.19
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	17	1.19
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	11	1.19
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	11	1.19
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	11	1.19
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	11	1.19
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	11	1.19
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	11	1.19
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	11	1.19
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	11	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	11	1.19
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	9	1.19
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	9	1.19
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	13	1.19
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	8	1.19
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	8	1.19
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	8	1.19
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	7	1.19
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	7	1.19
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	7	1.19
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	18	1.19
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	18	1.19
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	18	1.19
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	11	1.19
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	11	1.19
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	11	1.19
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	11	1.19
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	11	1.19
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	11	1.19
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	11	1.19
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	11	1.19
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	11	1.19
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	17	1.19
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	17	1.19
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	17	1.19
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	4	1.19
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	15	1.19
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	15	1.19
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	15	1.19
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG11	20	1.19
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG12	20	1.19
(1,173)	1:431:A:VAL:H	1:431:A:VAL:HG13	20	1.19
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	11	1.19
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	11	1.19
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	11	1.19
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	16	1.19
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	16	1.19
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	16	1.19
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	2	1.19
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	2	1.19
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	2	1.19
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	2	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD11	19	1.19
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD12	19	1.19
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD13	19	1.19
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD21	19	1.19
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD22	19	1.19
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD23	19	1.19
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	11	1.19
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	17	1.19
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	17	1.18
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	17	1.18
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	17	1.18
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	17	1.18
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	17	1.18
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	17	1.18
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	6	1.18
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	3	1.18
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	3	1.18
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	3	1.18
(1,2280)	1:463:A:ILE:HG21	1:464:A:GLN:HE22	17	1.18
(1,2280)	1:463:A:ILE:HG22	1:464:A:GLN:HE22	17	1.18
(1,2280)	1:463:A:ILE:HG23	1:464:A:GLN:HE22	17	1.18
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	14	1.18
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	14	1.18
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	4	1.18
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	7	1.18
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	7	1.18
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	7	1.18
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	20	1.18
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	8	1.18
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	8	1.18
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	11	1.18
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	11	1.18
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	12	1.18
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	12	1.18
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	4	1.18
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	4	1.18
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	4	1.18
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	13	1.18
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	13	1.18
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	13	1.18
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	17	1.18
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	17	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	19	1.18
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	19	1.18
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	9	1.18
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	11	1.18
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	2	1.18
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	2	1.18
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	13	1.18
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	13	1.18
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD2	5	1.18
(1,1736)	1:426:A:MET:H	1:427:A:PRO:HD3	5	1.18
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	19	1.18
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	19	1.18
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	19	1.18
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	19	1.18
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	3	1.18
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	3	1.18
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	11	1.18
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	5	1.18
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	5	1.18
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	20	1.18
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	6	1.18
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	6	1.18
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	6	1.18
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	9	1.18
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	9	1.18
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	5	1.18
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	5	1.18
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	5	1.18
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	5	1.18
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	11	1.18
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	11	1.18
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	11	1.18
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	11	1.18
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	7	1.18
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	7	1.18
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	8	1.18
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	8	1.18
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	9	1.18
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	9	1.18
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	9	1.18
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	18	1.18
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	19	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	19	1.18
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	19	1.18
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	19	1.18
(1,1058)	1:486:A:ASP:HB2	1:487:A:SER:HA	3	1.18
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	13	1.18
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	13	1.18
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	13	1.18
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	17	1.18
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	17	1.18
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	17	1.18
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	1	1.18
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	1	1.18
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	1	1.18
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	7	1.18
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	7	1.18
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	7	1.18
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	12	1.18
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	12	1.18
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	12	1.18
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	15	1.18
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	15	1.18
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	15	1.18
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	17	1.18
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	11	1.18
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	11	1.18
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	11	1.18
(1,786)	1:485:A:ASN:HB2	1:486:A:ASP:H	3	1.18
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	19	1.18
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	4	1.18
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	4	1.18
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	10	1.18
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	10	1.18
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	10	1.18
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	15	1.18
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	15	1.18
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	15	1.18
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	15	1.18
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	15	1.18
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	15	1.18
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	15	1.18
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	15	1.18
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	15	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	16	1.18
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	20	1.18
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	14	1.18
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	12	1.18
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	12	1.18
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	2	1.18
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	15	1.18
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	15	1.18
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	15	1.18
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	15	1.18
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	15	1.18
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	15	1.18
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	15	1.18
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	15	1.18
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	15	1.18
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	7	1.18
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	7	1.18
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	7	1.18
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	10	1.18
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	10	1.18
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	10	1.18
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	17	1.18
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	17	1.18
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	17	1.18
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	13	1.18
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	13	1.18
(1,158)	1:407:A:LEU:HB3	1:451:A:VAL:H	1	1.18
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	7	1.18
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	7	1.18
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	7	1.18
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	7	1.18
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	7	1.18
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	7	1.18
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	4	1.18
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	4	1.18
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	4	1.18
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	19	1.18
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	19	1.18
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	19	1.18
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	8	1.18
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	8	1.18
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	8	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	8	1.18
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	3	1.18
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	3	1.18
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	5	1.18
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	5	1.18
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	5	1.18
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	5	1.18
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	5	1.18
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	5	1.18
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	9	1.18
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	9	1.18
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	9	1.18
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	9	1.18
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	9	1.18
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	9	1.18
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	1	1.18
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	6	1.18
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	17	1.17
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	17	1.17
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	17	1.17
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	17	1.17
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	17	1.17
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	17	1.17
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	14	1.17
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	11	1.17
(1,2173)	1:467:A:ASN:H	1:467:A:ASN:HD22	1	1.17
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	7	1.17
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	7	1.17
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	7	1.17
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	15	1.17
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	15	1.17
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	5	1.17
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	19	1.17
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	4	1.17
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	4	1.17
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	14	1.17
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	14	1.17
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	14	1.17
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	14	1.17
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	14	1.17
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	18	1.17
(1,1692)	1:432:A:ILE:HG12	1:454:A:ASP:HB2	3	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1692)	1:432:A:ILE:HG13	1:454:A:ASP:HB2	3	1.17
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	2	1.17
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	2	1.17
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	2	1.17
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	2	1.17
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	8	1.17
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	8	1.17
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	8	1.17
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	8	1.17
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	20	1.17
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	20	1.17
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	20	1.17
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	3	1.17
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	3	1.17
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	14	1.17
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	14	1.17
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	10	1.17
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	8	1.17
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	8	1.17
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	10	1.17
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	10	1.17
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	15	1.17
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	15	1.17
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	16	1.17
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	16	1.17
(1,1490)	1:481:A:LYS:HA	1:481:A:LYS:HD2	7	1.17
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	9	1.17
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	9	1.17
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	9	1.17
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	9	1.17
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	9	1.17
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	9	1.17
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	6	1.17
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	6	1.17
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	10	1.17
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	2	1.17
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	19	1.17
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	16	1.17
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	16	1.17
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	16	1.17
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	4	1.17
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	4	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	3	1.17
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	8	1.17
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	12	1.17
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	12	1.17
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	12	1.17
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	8	1.17
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	8	1.17
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	8	1.17
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	7	1.17
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	7	1.17
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	7	1.17
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	7	1.17
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	7	1.17
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	7	1.17
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	7	1.17
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	7	1.17
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	7	1.17
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	9	1.17
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	9	1.17
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	9	1.17
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	9	1.17
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	9	1.17
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	9	1.17
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	9	1.17
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	9	1.17
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	9	1.17
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	7	1.17
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	7	1.17
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	7	1.17
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	15	1.17
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	15	1.17
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	15	1.17
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	4	1.17
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	4	1.17
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	4	1.17
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	10	1.17
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	10	1.17
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB2	18	1.17
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB3	18	1.17
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	18	1.17
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	18	1.17
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	4	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	4	1.17
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	14	1.17
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	14	1.17
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	14	1.17
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	11	1.17
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	2	1.17
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	11	1.17
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	11	1.17
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	19	1.17
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	19	1.17
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	1	1.17
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	9	1.17
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB1	2	1.17
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB2	2	1.17
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB3	2	1.17
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	20	1.17
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	20	1.17
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	20	1.17
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	17	1.17
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	17	1.17
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	17	1.17
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	17	1.17
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	17	1.17
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	17	1.17
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	11	1.17
(1,159)	1:407:A:LEU:HB2	1:425:A:PHE:HD1	13	1.17
(1,159)	1:407:A:LEU:HB2	1:425:A:PHE:HD2	13	1.17
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	10	1.17
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	10	1.17
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	10	1.17
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	1	1.17
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	1	1.17
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	1	1.17
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	1	1.17
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD11	17	1.17
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD12	17	1.17
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD13	17	1.17
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD21	17	1.17
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD22	17	1.17
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD23	17	1.17
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	20	1.17
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	20	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	20	1.17
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	20	1.17
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	20	1.17
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	20	1.17
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	12	1.17
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	12	1.17
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	12	1.17
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	12	1.17
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	12	1.17
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	12	1.17
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	15	1.17
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	15	1.17
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	15	1.17
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	15	1.17
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	15	1.17
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	15	1.17
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	12	1.16
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	17	1.16
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	17	1.16
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	20	1.16
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	5	1.16
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	19	1.16
(1,2179)	1:412:A:LEU:H	1:448:A:PHE:HA	14	1.16
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	3	1.16
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	6	1.16
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	7	1.16
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	2	1.16
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	2	1.16
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	4	1.16
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	4	1.16
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	8	1.16
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	8	1.16
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	11	1.16
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	11	1.16
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	17	1.16
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	17	1.16
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	12	1.16
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	6	1.16
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	6	1.16
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	7	1.16
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	7	1.16
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	16	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	16	1.16
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	19	1.16
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	19	1.16
(1,1710)	1:400:A:GLU:HB2	1:402:A:PRO:HG3	17	1.16
(1,1692)	1:432:A:ILE:HG12	1:454:A:ASP:HB2	6	1.16
(1,1692)	1:432:A:ILE:HG13	1:454:A:ASP:HB2	6	1.16
(1,1692)	1:432:A:ILE:HG12	1:454:A:ASP:HB2	20	1.16
(1,1692)	1:432:A:ILE:HG13	1:454:A:ASP:HB2	20	1.16
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	11	1.16
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	13	1.16
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	13	1.16
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	13	1.16
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	13	1.16
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	3	1.16
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	3	1.16
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	3	1.16
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	5	1.16
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	5	1.16
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	13	1.16
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	15	1.16
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	16	1.16
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	16	1.16
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	13	1.16
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	13	1.16
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	13	1.16
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	13	1.16
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	13	1.16
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	13	1.16
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	13	1.16
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	17	1.16
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	19	1.16
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	20	1.16
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	20	1.16
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	20	1.16
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	7	1.16
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	7	1.16
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	7	1.16
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	7	1.16
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	7	1.16
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	7	1.16
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	3	1.16
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	3	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	3	1.16
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	3	1.16
(1,1307)	1:473:A:MET:HG3	1:474:A:LYS:HG3	5	1.16
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	17	1.16
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	3	1.16
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	15	1.16
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	15	1.16
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	7	1.16
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	15	1.16
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	20	1.16
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	7	1.16
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	18	1.16
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	18	1.16
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	19	1.16
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	9	1.16
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	9	1.16
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	9	1.16
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	9	1.16
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	6	1.16
(1,1049)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	6	1.16
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	10	1.16
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	10	1.16
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	10	1.16
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	15	1.16
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	15	1.16
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	15	1.16
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	20	1.16
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	20	1.16
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	20	1.16
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	8	1.16
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	8	1.16
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	8	1.16
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	8	1.16
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	8	1.16
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	5	1.16
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	5	1.16
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	5	1.16
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	5	1.16
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	5	1.16
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	5	1.16
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	5	1.16
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	5	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	5	1.16
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	18	1.16
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	18	1.16
(1,858)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	18	1.16
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	18	1.16
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	18	1.16
(1,858)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	18	1.16
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	18	1.16
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	18	1.16
(1,858)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	18	1.16
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	8	1.16
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	8	1.16
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	8	1.16
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	9	1.16
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	9	1.16
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	7	1.16
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	7	1.16
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	7	1.16
(1,404)	1:468:A:GLY:HA3	1:475:A:ARG:HD3	19	1.16
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	4	1.16
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	4	1.16
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	15	1.16
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	15	1.16
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	16	1.16
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	16	1.16
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	18	1.16
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	18	1.16
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	10	1.16
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	10	1.16
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	10	1.16
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	5	1.16
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	5	1.16
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	5	1.16
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	5	1.16
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	5	1.16
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	5	1.16
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	5	1.16
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	5	1.16
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	5	1.16
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	3	1.16
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	3	1.16
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	3	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	7	1.16
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	7	1.16
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	19	1.16
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	19	1.16
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	9	1.16
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	9	1.16
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	9	1.16
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	9	1.16
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	9	1.16
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	9	1.16
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	8	1.16
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	8	1.16
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	8	1.16
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	8	1.16
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	8	1.16
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	8	1.16
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	20	1.16
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	20	1.16
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	20	1.16
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	20	1.16
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	20	1.16
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	20	1.16
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	3	1.16
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	3	1.16
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	3	1.16
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	7	1.16
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	7	1.16
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	7	1.16
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	13	1.16
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	13	1.16
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	13	1.16
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	17	1.16
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	17	1.16
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	17	1.16
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	17	1.16
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	2	1.16
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	2	1.16
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	2	1.16
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	2	1.16
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	2	1.16
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	2	1.16
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	7	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	7	1.16
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	7	1.16
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	7	1.16
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	7	1.16
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	7	1.16
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	9	1.16
(1,18)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	20	1.16
(1,18)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	20	1.16
(1,18)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	20	1.16
(1,18)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	20	1.16
(1,18)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	20	1.16
(1,18)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	20	1.16
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	19	1.15
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	19	1.15
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	8	1.15
(1,2259)	1:411:A:HIS:H	1:411:A:HIS:HD2	7	1.15
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	1	1.15
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	1	1.15
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	20	1.15
(1,2209)	1:430:A:ASN:HD21	1:454:A:ASP:HB2	2	1.15
(1,2209)	1:430:A:ASN:HD21	1:454:A:ASP:HB2	20	1.15
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	12	1.15
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	3	1.15
(1,2031)	1:482:A:ARG:HB3	1:483:A:SER:H	10	1.15
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	20	1.15
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	20	1.15
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	20	1.15
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	20	1.15
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	20	1.15
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	1	1.15
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	1	1.15
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	5	1.15
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	5	1.15
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	11	1.15
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	11	1.15
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	11	1.15
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	11	1.15
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	2	1.15
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	2	1.15
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	2	1.15
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	6	1.15
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	6	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	6	1.15
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	7	1.15
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	7	1.15
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	7	1.15
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	15	1.15
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	15	1.15
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	15	1.15
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	7	1.15
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	7	1.15
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	3	1.15
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	3	1.15
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	11	1.15
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	11	1.15
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	10	1.15
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	10	1.15
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	4	1.15
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD2	16	1.15
(1,1486)	1:412:A:LEU:HA	1:413:A:PRO:HD3	16	1.15
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG12	18	1.15
(1,1473)	1:462:A:ALA:HB1	1:463:A:ILE:HG13	18	1.15
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG12	18	1.15
(1,1473)	1:462:A:ALA:HB2	1:463:A:ILE:HG13	18	1.15
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG12	18	1.15
(1,1473)	1:462:A:ALA:HB3	1:463:A:ILE:HG13	18	1.15
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	5	1.15
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	5	1.15
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	15	1.15
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	15	1.15
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	15	1.15
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	15	1.15
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	5	1.15
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	5	1.15
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	11	1.15
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	11	1.15
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	15	1.15
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	15	1.15
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	15	1.15
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	15	1.15
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	15	1.15
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	15	1.15
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	4	1.15
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	9	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	4	1.15
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	9	1.15
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	9	1.15
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	12	1.15
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	17	1.15
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	5	1.15
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	5	1.15
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	18	1.15
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	18	1.15
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	10	1.15
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	10	1.15
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	10	1.15
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	10	1.15
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	10	1.15
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	10	1.15
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	10	1.15
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	10	1.15
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	10	1.15
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	7	1.15
(1,419)	1:480:A:LEU:HB2	1:481:A:LYS:H	1	1.15
(1,419)	1:480:A:LEU:HB3	1:481:A:LYS:H	1	1.15
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	7	1.15
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	7	1.15
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	17	1.15
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	17	1.15
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	3	1.15
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	3	1.15
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	3	1.15
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	1	1.15
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	1	1.15
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	1	1.15
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	2	1.15
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	2	1.15
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	2	1.15
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	11	1.15
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	11	1.15
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	11	1.15
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	12	1.15
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	12	1.15
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	12	1.15
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	14	1.15
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	14	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	14	1.15
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	10	1.15
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	10	1.15
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	10	1.15
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	4	1.15
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	4	1.15
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	4	1.15
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	4	1.15
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	4	1.15
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	4	1.15
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB2	3	1.15
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB3	3	1.15
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	3	1.15
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	3	1.15
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	3	1.15
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	3	1.15
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	3	1.15
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	3	1.15
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	5	1.15
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	5	1.15
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	5	1.15
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG21	6	1.15
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG22	6	1.15
(1,124)	1:478:A:VAL:HA	1:478:A:VAL:HG23	6	1.15
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	7	1.15
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	7	1.15
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	7	1.15
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	7	1.15
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	15	1.15
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	15	1.15
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	15	1.15
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	15	1.15
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	1	1.15
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	1	1.15
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	3	1.15
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	3	1.15
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	3	1.15
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	3	1.15
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	3	1.15
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	3	1.15
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	8	1.15
(1,2244)	1:444:A:LEU:HD11	1:479:A:GLN:HE22	9	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2244)	1:444:A:LEU:HD12	1:479:A:GLN:HE22	9	1.14
(1,2244)	1:444:A:LEU:HD13	1:479:A:GLN:HE22	9	1.14
(1,2244)	1:444:A:LEU:HD21	1:479:A:GLN:HE22	9	1.14
(1,2244)	1:444:A:LEU:HD22	1:479:A:GLN:HE22	9	1.14
(1,2244)	1:444:A:LEU:HD23	1:479:A:GLN:HE22	9	1.14
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	13	1.14
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	6	1.14
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	6	1.14
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	6	1.14
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	3	1.14
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	15	1.14
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	15	1.14
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	15	1.14
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	7	1.14
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	20	1.14
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	20	1.14
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	10	1.14
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	16	1.14
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB2	17	1.14
(1,1738)	1:426:A:MET:H	1:426:A:MET:HB3	17	1.14
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	8	1.14
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	8	1.14
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	8	1.14
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	10	1.14
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	10	1.14
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	10	1.14
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	1	1.14
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	1	1.14
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	15	1.14
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	15	1.14
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	16	1.14
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	16	1.14
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	8	1.14
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	8	1.14
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	8	1.14
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	13	1.14
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	13	1.14
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	7	1.14
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	7	1.14
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	3	1.14
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	8	1.14
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	5	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	5	1.14
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	19	1.14
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	19	1.14
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	14	1.14
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD2	11	1.14
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD3	11	1.14
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD2	14	1.14
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD3	14	1.14
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	11	1.14
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	11	1.14
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	11	1.14
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	11	1.14
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	5	1.14
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	5	1.14
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	5	1.14
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	5	1.14
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	2	1.14
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	2	1.14
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	15	1.14
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	15	1.14
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	9	1.14
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	9	1.14
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	3	1.14
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	8	1.14
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	10	1.14
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	7	1.14
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	11	1.14
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	14	1.14
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	14	1.14
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG2	4	1.14
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG3	4	1.14
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	10	1.14
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	10	1.14
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	14	1.14
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	14	1.14
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	6	1.14
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	3	1.14
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	3	1.14
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	3	1.14
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	3	1.14
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	9	1.14
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	9	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	9	1.14
(1,956)	1:415:A:GLU:HG2	1:416:A:PHE:HA	11	1.14
(1,956)	1:415:A:GLU:HG3	1:416:A:PHE:HA	11	1.14
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	7	1.14
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	18	1.14
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	18	1.14
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	18	1.14
(1,863)	1:471:A:ILE:HD11	1:475:A:ARG:H	18	1.14
(1,863)	1:471:A:ILE:HD12	1:475:A:ARG:H	18	1.14
(1,863)	1:471:A:ILE:HD13	1:475:A:ARG:H	18	1.14
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	15	1.14
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	1	1.14
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	1	1.14
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	1	1.14
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	16	1.14
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	16	1.14
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	16	1.14
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	12	1.14
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	1	1.14
(1,501)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	19	1.14
(1,501)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	19	1.14
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	15	1.14
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	15	1.14
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	15	1.14
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	18	1.14
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	18	1.14
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	18	1.14
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	19	1.14
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	19	1.14
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	19	1.14
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	18	1.14
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	18	1.14
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	18	1.14
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	16	1.14
(1,192)	1:436:A:VAL:HG21	1:449:A:GLY:HA2	1	1.14
(1,192)	1:436:A:VAL:HG22	1:449:A:GLY:HA2	1	1.14
(1,192)	1:436:A:VAL:HG23	1:449:A:GLY:HA2	1	1.14
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	20	1.14
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	20	1.14
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	8	1.14
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	8	1.14
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	8	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	8	1.14
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	8	1.14
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	8	1.14
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	8	1.14
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	8	1.14
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	8	1.14
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	8	1.14
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	8	1.14
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	8	1.14
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	8	1.14
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	8	1.14
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	8	1.14
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	8	1.14
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	8	1.14
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	8	1.14
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	12	1.13
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	12	1.13
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	16	1.13
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	16	1.13
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	16	1.13
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	10	1.13
(1,2269)	1:443:A:ASN:HA	1:443:A:ASN:HD22	3	1.13
(1,2209)	1:430:A:ASN:HD21	1:454:A:ASP:HB2	6	1.13
(1,2127)	1:423:A:GLN:H	1:423:A:GLN:HG2	16	1.13
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	1	1.13
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	13	1.13
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	7	1.13
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	7	1.13
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	19	1.13
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	19	1.13
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	17	1.13
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	18	1.13
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	13	1.13
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	2	1.13
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	19	1.13
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	19	1.13
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	19	1.13
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	10	1.13
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	10	1.13
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	17	1.13
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	17	1.13
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	19	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	19	1.13
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	5	1.13
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	6	1.13
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	6	1.13
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	2	1.13
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	6	1.13
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB2	3	1.13
(1,1514)	1:398:A:GLN:H	1:398:A:GLN:HB3	3	1.13
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	18	1.13
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	18	1.13
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	18	1.13
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	2	1.13
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD2	17	1.13
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD3	17	1.13
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	3	1.13
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	3	1.13
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD2	8	1.13
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD3	8	1.13
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	19	1.13
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	19	1.13
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	19	1.13
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	19	1.13
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	12	1.13
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	8	1.13
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	14	1.13
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	14	1.13
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	18	1.13
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	18	1.13
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	18	1.13
(1,1130)	1:432:A:ILE:HG12	1:453:A:TYR:HA	15	1.13
(1,1130)	1:432:A:ILE:HG13	1:453:A:TYR:HA	15	1.13
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	9	1.13
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	15	1.13
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	15	1.13
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	15	1.13
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	17	1.13
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	17	1.13
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	2	1.13
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	7	1.13
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	7	1.13
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	7	1.13
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	10	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	10	1.13
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	10	1.13
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	8	1.13
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	8	1.13
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	8	1.13
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	5	1.13
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	5	1.13
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	5	1.13
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	5	1.13
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	5	1.13
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	5	1.13
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	5	1.13
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	5	1.13
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	5	1.13
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	7	1.13
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	7	1.13
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	7	1.13
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	7	1.13
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	7	1.13
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	7	1.13
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	7	1.13
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	7	1.13
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	7	1.13
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	9	1.13
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	9	1.13
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	9	1.13
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	9	1.13
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	9	1.13
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	9	1.13
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	9	1.13
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	9	1.13
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	9	1.13
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	7	1.13
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	9	1.13
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	8	1.13
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	8	1.13
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	10	1.13
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	10	1.13
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	4	1.13
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	4	1.13
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	4	1.13
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	9	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	9	1.13
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	9	1.13
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	9	1.13
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	9	1.13
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	9	1.13
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	9	1.13
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	9	1.13
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	9	1.13
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	9	1.13
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	9	1.13
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	9	1.13
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	9	1.13
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	9	1.13
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	9	1.13
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	9	1.13
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	9	1.13
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	9	1.13
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	9	1.13
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	12	1.13
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	13	1.13
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	14	1.13
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	14	1.13
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	14	1.13
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	4	1.13
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	4	1.13
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	4	1.13
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	13	1.13
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	13	1.13
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	13	1.13
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	13	1.13
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	13	1.13
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	13	1.13
(1,200)	1:404:A:GLY:HA2	1:456:A:PRO:HB3	13	1.13
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	16	1.13
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	16	1.13
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	16	1.13
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	17	1.13
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	17	1.13
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	17	1.13
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	17	1.13
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	17	1.13
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	17	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	16	1.13
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	16	1.13
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	16	1.13
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	16	1.13
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	16	1.13
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	16	1.13
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	16	1.13
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	16	1.13
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	16	1.13
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	16	1.13
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	16	1.13
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	16	1.13
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	16	1.13
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	16	1.13
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	16	1.13
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	16	1.13
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	16	1.13
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	16	1.13
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	18	1.13
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	18	1.13
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	18	1.13
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	18	1.13
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	6	1.13
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	6	1.13
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	6	1.13
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	6	1.13
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	6	1.13
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	6	1.13
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	15	1.13
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD1	10	1.12
(1,2396)	1:408:A:PHE:HA	1:408:A:PHE:HD2	10	1.12
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	1	1.12
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	1	1.12
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	1	1.12
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	7	1.12
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	19	1.12
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	20	1.12
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	7	1.12
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	17	1.12
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	17	1.12
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD11	9	1.12
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD12	9	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:438:A:ILE:H	1:438:A:ILE:HD13	9	1.12
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	13	1.12
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	13	1.12
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	15	1.12
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	14	1.12
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	5	1.12
(1,1769)	1:446:A:LYS:H	1:447:A:CYS:H	2	1.12
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	4	1.12
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	4	1.12
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	4	1.12
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	12	1.12
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	12	1.12
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	12	1.12
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	10	1.12
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	10	1.12
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	10	1.12
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	10	1.12
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	6	1.12
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	6	1.12
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	8	1.12
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	8	1.12
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	16	1.12
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	16	1.12
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	16	1.12
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	16	1.12
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	16	1.12
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	16	1.12
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	20	1.12
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	20	1.12
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	9	1.12
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	9	1.12
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	8	1.12
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	13	1.12
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	13	1.12
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	13	1.12
(1,1490)	1:481:A:LYS:HA	1:481:A:LYS:HD2	15	1.12
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	1	1.12
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	1	1.12
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	1	1.12
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	11	1.12
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD2	15	1.12
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD3	15	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	5	1.12
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	5	1.12
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	12	1.12
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	4	1.12
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	4	1.12
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	4	1.12
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	16	1.12
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	16	1.12
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	16	1.12
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	16	1.12
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	16	1.12
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	14	1.12
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	2	1.12
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	2	1.12
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	2	1.12
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	7	1.12
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	7	1.12
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	7	1.12
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	12	1.12
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	12	1.12
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	12	1.12
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	19	1.12
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	19	1.12
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	19	1.12
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	5	1.12
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	20	1.12
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	5	1.12
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	5	1.12
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	5	1.12
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	20	1.12
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	20	1.12
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	20	1.12
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	20	1.12
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	20	1.12
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG2	7	1.12
(1,613)	1:410:A:TYR:HB2	1:477:A:LYS:HG3	7	1.12
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	5	1.12
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	11	1.12
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	18	1.12
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	18	1.12
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	18	1.12
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	18	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	18	1.12
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	18	1.12
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	18	1.12
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	18	1.12
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	18	1.12
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	9	1.12
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	12	1.12
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	2	1.12
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	2	1.12
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	6	1.12
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	6	1.12
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	6	1.12
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	7	1.12
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	19	1.12
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	8	1.12
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	8	1.12
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	8	1.12
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	10	1.12
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	10	1.12
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	10	1.12
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	10	1.12
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	10	1.12
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	10	1.12
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	6	1.12
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	6	1.12
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	6	1.12
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	17	1.12
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	17	1.12
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	17	1.12
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	4	1.12
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	4	1.12
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	4	1.12
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	11	1.12
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB2	1	1.12
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB3	1	1.12
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	16	1.12
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	16	1.12
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	16	1.12
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	16	1.12
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	16	1.12
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	16	1.12
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	1	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	1	1.12
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	1	1.12
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	1	1.12
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	1	1.12
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	1	1.12
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	1	1.12
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	1	1.12
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	1	1.12
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	1	1.12
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	1	1.12
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	1	1.12
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	1	1.12
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	1	1.12
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	1	1.12
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	1	1.12
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	1	1.12
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	1	1.12
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	4	1.12
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	4	1.12
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	4	1.12
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	4	1.12
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	16	1.12
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	16	1.12
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	16	1.12
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	16	1.12
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	12	1.12
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	12	1.12
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	12	1.12
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	12	1.12
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	12	1.12
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	12	1.12
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	12	1.12
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	12	1.12
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	12	1.12
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	12	1.12
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	12	1.12
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	12	1.12
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	12	1.12
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	12	1.12
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	12	1.12
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	12	1.12
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	12	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	12	1.12
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	3	1.12
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	3	1.12
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	3	1.12
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	3	1.12
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	3	1.12
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	3	1.12
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	8	1.12
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	8	1.12
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	8	1.12
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	8	1.12
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	8	1.12
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	8	1.12
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	1	1.12
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	1	1.11
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	7	1.11
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	11	1.11
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	20	1.11
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	4	1.11
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	2	1.11
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	12	1.11
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	16	1.11
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	16	1.11
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	16	1.11
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	16	1.11
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	16	1.11
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	14	1.11
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	14	1.11
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	15	1.11
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	11	1.11
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	4	1.11
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	10	1.11
(1,1692)	1:432:A:ILE:HG12	1:454:A:ASP:HB2	5	1.11
(1,1692)	1:432:A:ILE:HG13	1:454:A:ASP:HB2	5	1.11
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	5	1.11
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	5	1.11
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	5	1.11
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	18	1.11
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	18	1.11
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	3	1.11
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	9	1.11
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	9	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	9	1.11
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	3	1.11
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	3	1.11
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	3	1.11
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	3	1.11
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	3	1.11
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	3	1.11
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	10	1.11
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	10	1.11
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	10	1.11
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	3	1.11
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	3	1.11
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	16	1.11
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	16	1.11
(1,1490)	1:481:A:LYS:HA	1:481:A:LYS:HD2	10	1.11
(1,1490)	1:481:A:LYS:HA	1:481:A:LYS:HD2	12	1.11
(1,1326)	1:411:A:HIS:H	1:448:A:PHE:HA	6	1.11
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	11	1.11
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	10	1.11
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	10	1.11
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	19	1.11
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	19	1.11
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	12	1.11
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	12	1.11
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	12	1.11
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	12	1.11
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	12	1.11
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	12	1.11
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	2	1.11
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	16	1.11
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	10	1.11
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	10	1.11
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	10	1.11
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	10	1.11
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	15	1.11
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	15	1.11
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	15	1.11
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	15	1.11
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	12	1.11
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	12	1.11
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	12	1.11
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	6	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	6	1.11
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	6	1.11
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	15	1.11
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	15	1.11
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	15	1.11
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	1	1.11
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	7	1.11
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	5	1.11
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	5	1.11
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	5	1.11
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	2	1.11
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	2	1.11
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	2	1.11
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	3	1.11
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	3	1.11
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB2	19	1.11
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB3	19	1.11
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	20	1.11
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	20	1.11
(1,476)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	20	1.11
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	20	1.11
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	20	1.11
(1,476)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	20	1.11
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	20	1.11
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	20	1.11
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	19	1.11
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	20	1.11
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB1	13	1.11
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB2	13	1.11
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB3	13	1.11
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	5	1.11
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	5	1.11
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	5	1.11
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	14	1.11
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	14	1.11
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	14	1.11
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	6	1.11
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	19	1.11
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	10	1.11
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	10	1.11
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	10	1.11
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	10	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	10	1.11
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	10	1.11
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB2	13	1.11
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB3	13	1.11
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB2	14	1.11
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB3	14	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	1	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	1	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	1	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	1	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	1	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	1	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	2	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	2	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	2	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	2	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	2	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	2	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	6	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	6	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	6	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	6	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	6	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	6	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	14	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	14	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	14	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	14	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	14	1.11
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	14	1.11
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	7	1.11
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	7	1.11
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	7	1.11
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	7	1.11
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	7	1.11
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	7	1.11
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	7	1.11
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	7	1.11
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	7	1.11
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	7	1.11
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	7	1.11
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	7	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	7	1.11
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	7	1.11
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	7	1.11
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	7	1.11
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	7	1.11
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	7	1.11
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	10	1.11
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	10	1.11
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	10	1.11
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	10	1.11
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	10	1.11
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	10	1.11
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	10	1.11
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	10	1.11
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	10	1.11
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	10	1.11
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	10	1.11
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	10	1.11
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	10	1.11
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	10	1.11
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	10	1.11
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	10	1.11
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	10	1.11
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	10	1.11
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	19	1.11
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	19	1.11
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	19	1.11
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	19	1.11
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	7	1.11
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	5	1.1
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	11	1.1
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	4	1.1
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	10	1.1
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	9	1.1
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	16	1.1
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	4	1.1
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	7	1.1
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	3	1.1
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	3	1.1
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB2	20	1.1
(1,1804)	1:469:A:PHE:H	1:476:A:LEU:HB3	20	1.1
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	5	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	16	1.1
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	18	1.1
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	18	1.1
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	9	1.1
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	9	1.1
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	9	1.1
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	1	1.1
(1,1692)	1:432:A:ILE:HG12	1:454:A:ASP:HB2	19	1.1
(1,1692)	1:432:A:ILE:HG13	1:454:A:ASP:HB2	19	1.1
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	5	1.1
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	5	1.1
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	4	1.1
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	4	1.1
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	4	1.1
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	4	1.1
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	4	1.1
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	4	1.1
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	2	1.1
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	2	1.1
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	1	1.1
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	5	1.1
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	11	1.1
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	3	1.1
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	3	1.1
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	16	1.1
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD2	1	1.1
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD3	1	1.1
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	2	1.1
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	2	1.1
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	2	1.1
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	2	1.1
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	9	1.1
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	9	1.1
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	9	1.1
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	9	1.1
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	5	1.1
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	13	1.1
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	13	1.1
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	13	1.1
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	20	1.1
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	11	1.1
(1,1217)	1:467:A:ASN:HA	1:478:A:VAL:HA	16	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	10	1.1
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	10	1.1
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	10	1.1
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	15	1.1
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	15	1.1
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	15	1.1
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	5	1.1
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	5	1.1
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	5	1.1
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	13	1.1
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	13	1.1
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	17	1.1
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	19	1.1
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	19	1.1
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	19	1.1
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD11	2	1.1
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD12	2	1.1
(1,775)	1:409:A:ILE:HA	1:409:A:ILE:HD13	2	1.1
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD2	5	1.1
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD3	5	1.1
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD2	9	1.1
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD3	9	1.1
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	2	1.1
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	2	1.1
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	2	1.1
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	2	1.1
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	2	1.1
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	2	1.1
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	2	1.1
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	2	1.1
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	2	1.1
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	3	1.1
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	3	1.1
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	3	1.1
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	3	1.1
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	3	1.1
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	3	1.1
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	3	1.1
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	3	1.1
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	3	1.1
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	12	1.1
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	12	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	12	1.1
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	12	1.1
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	12	1.1
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	12	1.1
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	12	1.1
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	12	1.1
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	12	1.1
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	14	1.1
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	14	1.1
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	14	1.1
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	14	1.1
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	14	1.1
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	14	1.1
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	14	1.1
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	14	1.1
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	14	1.1
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	10	1.1
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	6	1.1
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	6	1.1
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	6	1.1
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	6	1.1
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	17	1.1
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	17	1.1
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	17	1.1
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	17	1.1
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	17	1.1
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	17	1.1
(1,426)	1:433:A:SER:HB2	1:452:A:SER:HB3	2	1.1
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	5	1.1
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	5	1.1
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	6	1.1
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	7	1.1
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	7	1.1
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	7	1.1
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	7	1.1
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	7	1.1
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	7	1.1
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	1	1.1
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	7	1.1
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	7	1.1
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	7	1.1
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	9	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	9	1.1
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	9	1.1
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	13	1.1
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	13	1.1
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	13	1.1
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	1	1.1
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	5	1.1
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	5	1.1
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	5	1.1
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	5	1.1
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	5	1.1
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	5	1.1
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	13	1.1
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	13	1.1
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	13	1.1
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	13	1.1
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	13	1.1
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	13	1.1
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	13	1.1
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	13	1.1
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	13	1.1
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	13	1.1
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	13	1.1
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	13	1.1
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	13	1.1
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	13	1.1
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	13	1.1
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	13	1.1
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	13	1.1
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	13	1.1
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD11	9	1.1
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD12	9	1.1
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD13	9	1.1
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD21	9	1.1
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD22	9	1.1
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD23	9	1.1
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	10	1.1
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	10	1.1
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	10	1.1
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	10	1.1
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	10	1.1
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	10	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	2	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	2	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	2	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	2	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	2	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	2	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	10	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	10	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	10	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	10	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	10	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	10	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	17	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	17	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	17	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	17	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	17	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	17	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	19	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	19	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	19	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	19	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	19	1.1
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	19	1.1
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE1	19	1.09
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE2	19	1.09
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE1	19	1.09
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE2	19	1.09
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	6	1.09
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	7	1.09
(1,2209)	1:430:A:ASN:HD21	1:454:A:ASP:HB2	19	1.09
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	9	1.09
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	9	1.09
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	9	1.09
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	19	1.09
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	19	1.09
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	19	1.09
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	11	1.09
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	11	1.09
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	11	1.09
(1,1922)	1:452:A:SER:HB3	1:453:A:TYR:H	19	1.09
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	16	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	2	1.09
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	2	1.09
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	9	1.09
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	3	1.09
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	2	1.09
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	10	1.09
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	10	1.09
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	10	1.09
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	10	1.09
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD1	18	1.09
(1,1621)	1:413:A:PRO:HG2	1:416:A:PHE:HD2	18	1.09
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	7	1.09
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	13	1.09
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	13	1.09
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	13	1.09
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	7	1.09
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	6	1.09
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	6	1.09
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	6	1.09
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	10	1.09
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	10	1.09
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	19	1.09
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	12	1.09
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	5	1.09
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	6	1.09
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	13	1.09
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	1	1.09
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	1	1.09
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	1	1.09
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	16	1.09
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	16	1.09
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	16	1.09
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	12	1.09
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	12	1.09
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	16	1.09
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	16	1.09
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	4	1.09
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	4	1.09
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	2	1.09
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	2	1.09
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	2	1.09
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	5	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	2	1.09
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	2	1.09
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	2	1.09
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	20	1.09
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	20	1.09
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	20	1.09
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	9	1.09
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB2	17	1.09
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB3	17	1.09
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	8	1.09
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	8	1.09
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	8	1.09
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	1	1.09
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	1	1.09
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	1	1.09
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	1	1.09
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	1	1.09
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	1	1.09
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	1	1.09
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	1	1.09
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	1	1.09
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	17	1.09
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	17	1.09
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	17	1.09
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	17	1.09
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	17	1.09
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	17	1.09
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	17	1.09
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	17	1.09
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	17	1.09
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	18	1.09
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	18	1.09
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	18	1.09
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	18	1.09
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	3	1.09
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	3	1.09
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	10	1.09
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	10	1.09
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	10	1.09
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	15	1.09
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	9	1.09
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	5	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	5	1.09
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	5	1.09
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	5	1.09
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	5	1.09
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	5	1.09
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	1	1.09
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	1	1.09
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	1	1.09
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	16	1.09
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	16	1.09
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	16	1.09
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	19	1.09
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	19	1.09
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	19	1.09
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	17	1.09
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	6	1.09
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	6	1.09
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	6	1.09
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	3	1.09
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	3	1.09
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	3	1.09
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	15	1.09
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	15	1.09
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	15	1.09
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	15	1.09
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	15	1.09
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	15	1.09
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	17	1.09
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	17	1.09
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	17	1.09
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	13	1.09
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	13	1.09
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	20	1.09
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	20	1.09
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	20	1.09
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	20	1.09
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	20	1.09
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	20	1.09
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	3	1.09
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	10	1.09
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	14	1.08
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	14	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	19	1.08
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	6	1.08
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	3	1.08
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	17	1.08
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	16	1.08
(1,2181)	1:412:A:LEU:H	1:476:A:LEU:HA	14	1.08
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	2	1.08
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	2	1.08
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	11	1.08
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	11	1.08
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	17	1.08
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	17	1.08
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	3	1.08
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	3	1.08
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	8	1.08
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	11	1.08
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	15	1.08
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	3	1.08
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	3	1.08
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	3	1.08
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	12	1.08
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	12	1.08
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	12	1.08
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	8	1.08
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	8	1.08
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	4	1.08
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	5	1.08
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	15	1.08
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	15	1.08
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	15	1.08
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	15	1.08
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	12	1.08
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	12	1.08
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	12	1.08
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	14	1.08
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	14	1.08
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	14	1.08
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	14	1.08
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	14	1.08
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	14	1.08
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	7	1.08
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	7	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	13	1.08
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	13	1.08
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	18	1.08
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	18	1.08
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	18	1.08
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	16	1.08
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	16	1.08
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	18	1.08
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	18	1.08
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	2	1.08
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	2	1.08
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	11	1.08
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	11	1.08
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	9	1.08
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	20	1.08
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	11	1.08
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	11	1.08
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	11	1.08
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	11	1.08
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	11	1.08
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	11	1.08
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	1	1.08
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	18	1.08
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	19	1.08
(1,1168)	1:398:A:GLN:H	1:398:A:GLN:HG2	10	1.08
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	6	1.08
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	6	1.08
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	6	1.08
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	20	1.08
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	20	1.08
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	20	1.08
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	6	1.08
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	6	1.08
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	6	1.08
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	6	1.08
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	13	1.08
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	13	1.08
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	13	1.08
(1,885)	1:463:A:ILE:HD11	1:480:A:LEU:HA	20	1.08
(1,885)	1:463:A:ILE:HD12	1:480:A:LEU:HA	20	1.08
(1,885)	1:463:A:ILE:HD13	1:480:A:LEU:HA	20	1.08
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	4	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	9	1.08
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	1	1.08
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	1	1.08
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	1	1.08
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	16	1.08
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	16	1.08
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	5	1.08
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	5	1.08
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	5	1.08
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD2	7	1.08
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD3	7	1.08
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	17	1.08
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	4	1.08
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	4	1.08
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	4	1.08
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	4	1.08
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	4	1.08
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	4	1.08
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	4	1.08
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	4	1.08
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	4	1.08
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	13	1.08
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	13	1.08
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	13	1.08
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	13	1.08
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	13	1.08
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	13	1.08
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	13	1.08
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	13	1.08
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	13	1.08
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	3	1.08
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	16	1.08
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	5	1.08
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	6	1.08
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	6	1.08
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	2	1.08
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	2	1.08
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	2	1.08
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	13	1.08
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	13	1.08
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	13	1.08
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	8	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	11	1.08
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	13	1.08
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	13	1.08
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	13	1.08
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	17	1.08
(1,370)	1:407:A:LEU:HD11	1:452:A:SER:HB2	14	1.08
(1,370)	1:407:A:LEU:HD12	1:452:A:SER:HB2	14	1.08
(1,370)	1:407:A:LEU:HD13	1:452:A:SER:HB2	14	1.08
(1,370)	1:407:A:LEU:HD21	1:452:A:SER:HB2	14	1.08
(1,370)	1:407:A:LEU:HD22	1:452:A:SER:HB2	14	1.08
(1,370)	1:407:A:LEU:HD23	1:452:A:SER:HB2	14	1.08
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	20	1.08
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	20	1.08
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	20	1.08
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	20	1.08
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	20	1.08
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	20	1.08
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	20	1.08
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	20	1.08
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	20	1.08
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	18	1.08
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	18	1.08
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	18	1.08
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	2	1.08
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	10	1.08
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	10	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	1	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	1	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	1	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	1	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	1	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	1	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	5	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	5	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	5	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	5	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	5	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	5	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	10	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	10	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	10	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	10	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	10	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	10	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	15	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	15	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	15	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	15	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	15	1.08
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	15	1.08
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD11	17	1.08
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD12	17	1.08
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD13	17	1.08
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD21	17	1.08
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD22	17	1.08
(1,52)	1:407:A:LEU:HA	1:407:A:LEU:HD23	17	1.08
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	9	1.08
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	9	1.08
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	9	1.08
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	9	1.08
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	9	1.08
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	9	1.08
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	9	1.08
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	9	1.08
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	9	1.08
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	9	1.08
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	9	1.08
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	9	1.08
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	4	1.08
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	19	1.08
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	5	1.07
(1,2303)	1:414:A:GLN:HE21	1:420:A:ASP:HA	9	1.07
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	10	1.07
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	4	1.07
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	15	1.07
(1,2179)	1:412:A:LEU:H	1:448:A:PHE:HA	10	1.07
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	5	1.07
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	2	1.07
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	2	1.07
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	2	1.07
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	18	1.07
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	18	1.07
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	2	1.07
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	2	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	2	1.07
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	2	1.07
(1,1692)	1:432:A:ILE:HG12	1:454:A:ASP:HB2	2	1.07
(1,1692)	1:432:A:ILE:HG13	1:454:A:ASP:HB2	2	1.07
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	16	1.07
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	16	1.07
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	16	1.07
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	16	1.07
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	2	1.07
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	2	1.07
(1,1552)	1:414:A:GLN:HA	1:415:A:GLU:HB3	9	1.07
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	3	1.07
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	3	1.07
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	3	1.07
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	6	1.07
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	6	1.07
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	7	1.07
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	7	1.07
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	15	1.07
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	15	1.07
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	15	1.07
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	19	1.07
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	19	1.07
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	19	1.07
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD2	20	1.07
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD3	20	1.07
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	18	1.07
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	18	1.07
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	3	1.07
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	3	1.07
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	13	1.07
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	13	1.07
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	5	1.07
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	5	1.07
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	5	1.07
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	7	1.07
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	7	1.07
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	7	1.07
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	11	1.07
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	11	1.07
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	11	1.07
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	12	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	12	1.07
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	12	1.07
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	7	1.07
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	7	1.07
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	7	1.07
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	7	1.07
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	2	1.07
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	9	1.07
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	15	1.07
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	15	1.07
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	11	1.07
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	12	1.07
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	14	1.07
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	3	1.07
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	3	1.07
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	3	1.07
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	6	1.07
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	6	1.07
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	6	1.07
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	19	1.07
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	19	1.07
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	19	1.07
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	5	1.07
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	5	1.07
(1,815)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	5	1.07
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	8	1.07
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	8	1.07
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	8	1.07
(1,713)	1:429:A:GLY:HA3	1:458:A:SER:HB2	13	1.07
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD2	2	1.07
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD3	2	1.07
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	6	1.07
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	6	1.07
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	6	1.07
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	18	1.07
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	18	1.07
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	18	1.07
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	20	1.07
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	20	1.07
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	20	1.07
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	5	1.07
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	8	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	8	1.07
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	8	1.07
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	8	1.07
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	8	1.07
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	8	1.07
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	8	1.07
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	8	1.07
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	8	1.07
(1,550)	1:421:A:ILE:HA	1:421:A:ILE:HG12	19	1.07
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	17	1.07
(1,426)	1:433:A:SER:HB2	1:452:A:SER:HB3	12	1.07
(1,419)	1:480:A:LEU:HB2	1:481:A:LYS:H	11	1.07
(1,419)	1:480:A:LEU:HB3	1:481:A:LYS:H	11	1.07
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	6	1.07
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	11	1.07
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	14	1.07
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	14	1.07
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	14	1.07
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	10	1.07
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	10	1.07
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	10	1.07
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	10	1.07
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	10	1.07
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	10	1.07
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	15	1.07
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	15	1.07
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	15	1.07
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	11	1.07
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	11	1.07
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	11	1.07
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB2	15	1.07
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB3	15	1.07
(1,158)	1:407:A:LEU:HB3	1:451:A:VAL:H	13	1.07
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	17	1.07
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	17	1.07
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	17	1.07
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	17	1.07
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	17	1.07
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	17	1.07
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD11	13	1.07
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD12	13	1.07
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD13	13	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD21	13	1.07
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD22	13	1.07
(1,150)	1:444:A:LEU:H	1:444:A:LEU:HD23	13	1.07
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	5	1.07
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	20	1.06
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	20	1.06
(1,2321)	1:412:A:LEU:HD11	1:449:A:GLY:H	3	1.06
(1,2321)	1:412:A:LEU:HD12	1:449:A:GLY:H	3	1.06
(1,2321)	1:412:A:LEU:HD13	1:449:A:GLY:H	3	1.06
(1,2321)	1:412:A:LEU:HD21	1:449:A:GLY:H	3	1.06
(1,2321)	1:412:A:LEU:HD22	1:449:A:GLY:H	3	1.06
(1,2321)	1:412:A:LEU:HD23	1:449:A:GLY:H	3	1.06
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	15	1.06
(1,2269)	1:443:A:ASN:HA	1:443:A:ASN:HD22	16	1.06
(1,2241)	1:445:A:SER:HB2	1:479:A:GLN:HE22	15	1.06
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	12	1.06
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	12	1.06
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	15	1.06
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	15	1.06
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	20	1.06
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	20	1.06
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	11	1.06
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	5	1.06
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	8	1.06
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	2	1.06
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	19	1.06
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	19	1.06
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	19	1.06
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	20	1.06
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD11	2	1.06
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD12	2	1.06
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD13	2	1.06
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD21	2	1.06
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD22	2	1.06
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD23	2	1.06
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	9	1.06
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	4	1.06
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	4	1.06
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	4	1.06
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	4	1.06
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	11	1.06
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	11	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	11	1.06
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	4	1.06
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	4	1.06
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	5	1.06
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	5	1.06
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	10	1.06
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	10	1.06
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	16	1.06
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	2	1.06
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	18	1.06
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	18	1.06
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	20	1.06
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	14	1.06
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	14	1.06
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	14	1.06
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	14	1.06
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	15	1.06
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	13	1.06
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	13	1.06
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	14	1.06
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	8	1.06
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	8	1.06
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	8	1.06
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	20	1.06
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	20	1.06
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	20	1.06
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	20	1.06
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	10	1.06
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	10	1.06
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	5	1.06
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	5	1.06
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	5	1.06
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	2	1.06
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	18	1.06
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	20	1.06
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	20	1.06
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	20	1.06
(1,786)	1:485:A:ASN:HB2	1:486:A:ASP:H	6	1.06
(1,713)	1:429:A:GLY:HA3	1:458:A:SER:HB2	18	1.06
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	1	1.06
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	1	1.06
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	1	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	12	1.06
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	12	1.06
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	12	1.06
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	4	1.06
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	4	1.06
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	4	1.06
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	4	1.06
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	4	1.06
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	4	1.06
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	14	1.06
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB2	10	1.06
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB3	10	1.06
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB2	11	1.06
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB3	11	1.06
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	19	1.06
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	19	1.06
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	19	1.06
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	19	1.06
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	19	1.06
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	19	1.06
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	19	1.06
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	19	1.06
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	19	1.06
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	20	1.06
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	20	1.06
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	20	1.06
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	20	1.06
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	20	1.06
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	20	1.06
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	20	1.06
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	20	1.06
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	20	1.06
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	2	1.06
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	18	1.06
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	7	1.06
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	7	1.06
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	7	1.06
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	20	1.06
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	20	1.06
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	20	1.06
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG11	16	1.06
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG12	16	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:417:A:GLY:HA2	1:436:A:VAL:HG13	16	1.06
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	8	1.06
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	8	1.06
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	8	1.06
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG11	20	1.06
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG12	20	1.06
(1,249)	1:468:A:GLY:H	1:478:A:VAL:HG13	20	1.06
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	18	1.06
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	18	1.06
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	18	1.06
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	8	1.06
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	14	1.06
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	14	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	2	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	2	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	2	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	2	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	2	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	2	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	3	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	3	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	3	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	3	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	3	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	3	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	13	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	13	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	13	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	13	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	13	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	13	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	20	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	20	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	20	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	20	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	20	1.06
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	20	1.06
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	16	1.06
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	16	1.06
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	16	1.06
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	16	1.06
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	16	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	16	1.06
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	2	1.06
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	2	1.06
(1,126)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	2	1.06
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	2	1.06
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	2	1.06
(1,126)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	2	1.06
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	2	1.06
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	2	1.06
(1,126)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	2	1.06
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD11	18	1.06
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD12	18	1.06
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD13	18	1.06
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD21	18	1.06
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD22	18	1.06
(1,101)	1:469:A:PHE:HD1	1:476:A:LEU:HD23	18	1.06
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD11	18	1.06
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD12	18	1.06
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD13	18	1.06
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD21	18	1.06
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD22	18	1.06
(1,101)	1:469:A:PHE:HD2	1:476:A:LEU:HD23	18	1.06
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	12	1.06
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	3	1.06
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	7	1.05
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	7	1.05
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	7	1.05
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	8	1.05
(1,2306)	1:398:A:GLN:HE21	1:408:A:PHE:HE1	11	1.05
(1,2306)	1:398:A:GLN:HE21	1:408:A:PHE:HE2	11	1.05
(1,2269)	1:443:A:ASN:HA	1:443:A:ASN:HD22	20	1.05
(1,2209)	1:430:A:ASN:HD21	1:454:A:ASP:HB2	8	1.05
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	8	1.05
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	8	1.05
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	13	1.05
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	13	1.05
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	18	1.05
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	9	1.05
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	10	1.05
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	6	1.05
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	6	1.05
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	6	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	13	1.05
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	16	1.05
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	16	1.05
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	9	1.05
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	9	1.05
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	9	1.05
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	20	1.05
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	20	1.05
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	20	1.05
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	14	1.05
(1,1521)	1:477:A:LYS:HD2	1:479:A:GLN:HB2	14	1.05
(1,1521)	1:477:A:LYS:HD2	1:479:A:GLN:HB3	14	1.05
(1,1521)	1:477:A:LYS:HD3	1:479:A:GLN:HB2	14	1.05
(1,1521)	1:477:A:LYS:HD3	1:479:A:GLN:HB3	14	1.05
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	19	1.05
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	19	1.05
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	17	1.05
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	17	1.05
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	17	1.05
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	3	1.05
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	3	1.05
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	3	1.05
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	9	1.05
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	9	1.05
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	9	1.05
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	12	1.05
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	12	1.05
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	12	1.05
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	12	1.05
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	17	1.05
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	17	1.05
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	8	1.05
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	1	1.05
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	1	1.05
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	1	1.05
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	5	1.05
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	5	1.05
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	5	1.05
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	10	1.05
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	16	1.05
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	16	1.05
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	16	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	20	1.05
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	20	1.05
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	20	1.05
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	16	1.05
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	16	1.05
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	16	1.05
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	3	1.05
(1,825)	1:410:A:TYR:H	1:478:A:VAL:HA	10	1.05
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	2	1.05
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	2	1.05
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	2	1.05
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	2	1.05
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	2	1.05
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	2	1.05
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	2	1.05
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	2	1.05
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	2	1.05
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	4	1.05
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	3	1.05
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	3	1.05
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	3	1.05
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	1	1.05
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	1	1.05
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	1	1.05
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	12	1.05
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	12	1.05
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	12	1.05
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	3	1.05
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	9	1.05
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	9	1.05
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	9	1.05
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	5	1.05
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	5	1.05
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	5	1.05
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	16	1.05
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	16	1.05
(1,559)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	16	1.05
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	16	1.05
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	16	1.05
(1,559)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	16	1.05
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	16	1.05
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	16	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	16	1.05
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	6	1.05
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	4	1.05
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	4	1.05
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	4	1.05
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	4	1.05
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	13	1.05
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	13	1.05
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	5	1.05
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	5	1.05
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	5	1.05
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	12	1.05
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	12	1.05
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	12	1.05
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	17	1.05
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	2	1.05
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	2	1.05
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	16	1.05
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	16	1.05
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	16	1.05
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	20	1.05
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	20	1.05
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	20	1.05
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	10	1.05
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	10	1.05
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	10	1.05
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	9	1.05
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	9	1.05
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	9	1.05
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	11	1.05
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	11	1.05
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	11	1.05
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	11	1.05
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	11	1.05
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	11	1.05
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	6	1.05
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	6	1.05
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	6	1.05
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	6	1.05
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	6	1.05
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	6	1.05
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	16	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	16	1.05
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	16	1.05
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	16	1.05
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	16	1.05
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	16	1.05
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	1	1.05
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	1	1.05
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	1	1.05
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	11	1.05
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	11	1.05
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	11	1.05
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	11	1.05
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	11	1.05
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	11	1.05
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	11	1.05
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	11	1.05
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	11	1.05
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	11	1.05
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	11	1.05
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	11	1.05
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	11	1.05
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	11	1.05
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	11	1.05
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	11	1.05
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	11	1.05
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	11	1.05
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	13	1.05
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	13	1.05
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	9	1.04
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	9	1.04
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	9	1.04
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	9	1.04
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	9	1.04
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	9	1.04
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	9	1.04
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	9	1.04
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	9	1.04
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	9	1.04
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	9	1.04
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	9	1.04
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	18	1.04
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	3	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	3	1.04
(1,2269)	1:443:A:ASN:HA	1:443:A:ASN:HD22	11	1.04
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	17	1.04
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	2	1.04
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	3	1.04
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	3	1.04
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	4	1.04
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	1	1.04
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	9	1.04
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	9	1.04
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	9	1.04
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	8	1.04
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	6	1.04
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	6	1.04
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	6	1.04
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	19	1.04
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	19	1.04
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	19	1.04
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	6	1.04
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG12	14	1.04
(1,1664)	1:469:A:PHE:HD1	1:471:A:ILE:HG13	14	1.04
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG12	14	1.04
(1,1664)	1:469:A:PHE:HD2	1:471:A:ILE:HG13	14	1.04
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	20	1.04
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	8	1.04
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	8	1.04
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	9	1.04
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	9	1.04
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	13	1.04
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	13	1.04
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	6	1.04
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	6	1.04
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	6	1.04
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	15	1.04
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	15	1.04
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	6	1.04
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	6	1.04
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	5	1.04
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	7	1.04
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	11	1.04
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	17	1.04
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	17	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	17	1.04
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	8	1.04
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	8	1.04
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	9	1.04
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	13	1.04
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	3	1.04
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD2	8	1.04
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD3	8	1.04
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	8	1.04
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	8	1.04
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	17	1.04
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	17	1.04
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	3	1.04
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	3	1.04
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	3	1.04
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	17	1.04
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	17	1.04
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	17	1.04
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	2	1.04
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	2	1.04
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	2	1.04
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	5	1.04
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	5	1.04
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	6	1.04
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	6	1.04
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	14	1.04
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	14	1.04
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	9	1.04
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	9	1.04
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	9	1.04
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	6	1.04
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	8	1.04
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	13	1.04
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	17	1.04
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	19	1.04
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	14	1.04
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	14	1.04
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	14	1.04
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	2	1.04
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	2	1.04
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	2	1.04
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	7	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	7	1.04
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	7	1.04
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	19	1.04
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	19	1.04
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	19	1.04
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	3	1.04
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	3	1.04
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	3	1.04
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	3	1.04
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	3	1.04
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	3	1.04
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	3	1.04
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	3	1.04
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	3	1.04
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	1	1.04
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB2	3	1.04
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB3	3	1.04
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB2	16	1.04
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB3	16	1.04
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	14	1.04
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	3	1.04
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	3	1.04
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	3	1.04
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	3	1.04
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	3	1.04
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	3	1.04
(1,419)	1:480:A:LEU:HB2	1:481:A:LYS:H	2	1.04
(1,419)	1:480:A:LEU:HB3	1:481:A:LYS:H	2	1.04
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	8	1.04
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	8	1.04
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	8	1.04
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	1	1.04
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	18	1.04
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	20	1.04
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	20	1.04
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	20	1.04
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	20	1.04
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	14	1.04
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	14	1.04
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	14	1.04
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	12	1.04
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	20	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	11	1.04
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	11	1.04
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	11	1.04
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	11	1.04
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	11	1.04
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	11	1.04
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB2	11	1.04
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB3	11	1.04
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	18	1.04
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	18	1.04
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	18	1.04
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	6	1.04
(1,79)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	6	1.04
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	6	1.04
(1,79)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	6	1.04
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	7	1.04
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	7	1.04
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	9	1.04
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	9	1.04
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	9	1.04
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	9	1.04
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	9	1.04
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	9	1.04
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	9	1.04
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	9	1.04
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	9	1.04
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	9	1.04
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	9	1.04
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	9	1.04
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	9	1.04
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	9	1.04
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	9	1.04
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	9	1.04
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	9	1.04
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	9	1.04
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	4	1.03
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	4	1.03
(1,2306)	1:398:A:GLN:HE21	1:408:A:PHE:HE1	17	1.03
(1,2306)	1:398:A:GLN:HE21	1:408:A:PHE:HE2	17	1.03
(1,2269)	1:443:A:ASN:HA	1:443:A:ASN:HD22	2	1.03
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	3	1.03
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	18	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	4	1.03
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	17	1.03
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	3	1.03
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	5	1.03
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	5	1.03
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	5	1.03
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	1	1.03
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	3	1.03
(1,1799)	1:411:A:HIS:HB2	1:477:A:LYS:H	2	1.03
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	15	1.03
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	9	1.03
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	9	1.03
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	9	1.03
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	9	1.03
(1,1692)	1:432:A:ILE:HG12	1:454:A:ASP:HB2	12	1.03
(1,1692)	1:432:A:ILE:HG13	1:454:A:ASP:HB2	12	1.03
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	12	1.03
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	12	1.03
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	12	1.03
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	18	1.03
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	3	1.03
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD11	11	1.03
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD12	11	1.03
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD13	11	1.03
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD11	11	1.03
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD12	11	1.03
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD13	11	1.03
(1,1497)	1:406:A:ASN:HA	1:452:A:SER:HB3	7	1.03
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	5	1.03
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	5	1.03
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	5	1.03
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	7	1.03
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	7	1.03
(1,1219)	1:467:A:ASN:HA	1:467:A:ASN:HD21	3	1.03
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	13	1.03
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	13	1.03
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	13	1.03
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	18	1.03
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	19	1.03
(1,1090)	1:441:A:GLN:H	1:441:A:GLN:HG2	9	1.03
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	5	1.03
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	5	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	5	1.03
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	5	1.03
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	11	1.03
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	2	1.03
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	2	1.03
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG11	16	1.03
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG12	16	1.03
(1,877)	1:451:A:VAL:HA	1:451:A:VAL:HG13	16	1.03
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	20	1.03
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	13	1.03
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	13	1.03
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	13	1.03
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	3	1.03
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	3	1.03
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	3	1.03
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD2	13	1.03
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD3	13	1.03
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	16	1.03
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	16	1.03
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	8	1.03
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	8	1.03
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	8	1.03
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	9	1.03
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	9	1.03
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	9	1.03
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	11	1.03
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	11	1.03
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	11	1.03
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	15	1.03
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	15	1.03
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	15	1.03
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	13	1.03
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	14	1.03
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	14	1.03
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	14	1.03
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	16	1.03
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	16	1.03
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	16	1.03
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	18	1.03
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	18	1.03
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	18	1.03
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	18	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	18	1.03
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	18	1.03
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	11	1.03
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	19	1.03
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	19	1.03
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB2	1	1.03
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB3	1	1.03
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	13	1.03
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	13	1.03
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	13	1.03
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	14	1.03
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	14	1.03
(1,426)	1:433:A:SER:HB2	1:452:A:SER:HB3	11	1.03
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	8	1.03
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	11	1.03
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	11	1.03
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	11	1.03
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	15	1.03
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	15	1.03
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	15	1.03
(1,395)	1:405:A:ALA:HB1	1:452:A:SER:HB2	16	1.03
(1,395)	1:405:A:ALA:HB2	1:452:A:SER:HB2	16	1.03
(1,395)	1:405:A:ALA:HB3	1:452:A:SER:HB2	16	1.03
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	2	1.03
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	4	1.03
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	14	1.03
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	15	1.03
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	19	1.03
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	4	1.03
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	4	1.03
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	4	1.03
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	4	1.03
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	4	1.03
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	4	1.03
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	4	1.03
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	4	1.03
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	4	1.03
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	7	1.03
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	7	1.03
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	7	1.03
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	7	1.03
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	7	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	7	1.03
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	20	1.03
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	20	1.03
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	20	1.03
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	20	1.03
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	20	1.03
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	20	1.03
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	14	1.03
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	14	1.03
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	14	1.03
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	1	1.03
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	1	1.03
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	1	1.03
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	17	1.03
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	17	1.03
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	17	1.03
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	16	1.03
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	1	1.03
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	1	1.03
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	1	1.03
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	8	1.03
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	8	1.03
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	8	1.03
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB2	4	1.03
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB3	4	1.03
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	17	1.03
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	17	1.03
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	17	1.03
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	4	1.03
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	4	1.03
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	4	1.03
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	4	1.03
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	4	1.03
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	4	1.03
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	11	1.03
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	11	1.03
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	11	1.03
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	11	1.03
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	11	1.03
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	11	1.03
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	2	1.03
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	2	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	2	1.03
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	2	1.03
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	2	1.03
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	2	1.03
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	4	1.03
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	4	1.03
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	4	1.03
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	10	1.03
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	10	1.03
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	10	1.03
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	3	1.03
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	3	1.03
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	3	1.03
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	3	1.03
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	3	1.03
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	3	1.03
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	3	1.03
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	3	1.03
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	3	1.03
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	3	1.03
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	3	1.03
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	3	1.03
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	3	1.03
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	3	1.03
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	3	1.03
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	3	1.03
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	3	1.03
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	3	1.03
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	4	1.03
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	4	1.03
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	4	1.03
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	4	1.03
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	4	1.03
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	4	1.03
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	4	1.03
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	4	1.03
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	4	1.03
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	4	1.03
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	4	1.03
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	4	1.03
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	4	1.03
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	4	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	4	1.03
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	4	1.03
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	4	1.03
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	4	1.03
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	19	1.03
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	19	1.03
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	19	1.03
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	19	1.03
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	19	1.03
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	19	1.03
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	19	1.03
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	19	1.03
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	19	1.03
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	19	1.03
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	19	1.03
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	19	1.03
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	19	1.03
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	19	1.03
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	19	1.03
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	19	1.03
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	19	1.03
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	19	1.03
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	13	1.03
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	16	1.03
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	8	1.03
(1,2269)	1:443:A:ASN:HA	1:443:A:ASN:HD22	12	1.02
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	8	1.02
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	5	1.02
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	5	1.02
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	7	1.02
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	7	1.02
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	7	1.02
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	10	1.02
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	10	1.02
(1,2150)	1:406:A:ASN:H	1:406:A:ASN:HB2	14	1.02
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	7	1.02
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	16	1.02
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	19	1.02
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	19	1.02
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	20	1.02
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	2	1.02
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	5	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	5	1.02
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	2	1.02
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	2	1.02
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG12	6	1.02
(1,1909)	1:438:A:ILE:H	1:438:A:ILE:HG13	6	1.02
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	14	1.02
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	14	1.02
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD11	3	1.02
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD12	3	1.02
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD13	3	1.02
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD21	3	1.02
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD22	3	1.02
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD23	3	1.02
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	14	1.02
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	13	1.02
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	13	1.02
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	13	1.02
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	13	1.02
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	9	1.02
(1,1692)	1:432:A:ILE:HG12	1:454:A:ASP:HB2	18	1.02
(1,1692)	1:432:A:ILE:HG13	1:454:A:ASP:HB2	18	1.02
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	14	1.02
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	14	1.02
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	14	1.02
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	14	1.02
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	6	1.02
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	6	1.02
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	5	1.02
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	5	1.02
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	5	1.02
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	13	1.02
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	13	1.02
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	13	1.02
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	13	1.02
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	13	1.02
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	13	1.02
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	2	1.02
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	12	1.02
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	14	1.02
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	15	1.02
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	17	1.02
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	2	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	2	1.02
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	2	1.02
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	6	1.02
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	6	1.02
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD2	4	1.02
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD3	4	1.02
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	16	1.02
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	16	1.02
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	16	1.02
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	16	1.02
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	14	1.02
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	14	1.02
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	13	1.02
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	5	1.02
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	6	1.02
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	6	1.02
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	6	1.02
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	16	1.02
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	16	1.02
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	16	1.02
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	1	1.02
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	1	1.02
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	1	1.02
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	17	1.02
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	17	1.02
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	17	1.02
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	17	1.02
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	17	1.02
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	7	1.02
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	7	1.02
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	14	1.02
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	14	1.02
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	14	1.02
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	16	1.02
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	16	1.02
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	16	1.02
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	7	1.02
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	7	1.02
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	7	1.02
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	11	1.02
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	11	1.02
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	18	1.02
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	18	1.02
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	18	1.02
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	3	1.02
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	13	1.02
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	13	1.02
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	13	1.02
(1,426)	1:433:A:SER:HB2	1:452:A:SER:HB3	14	1.02
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	4	1.02
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	4	1.02
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	10	1.02
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	20	1.02
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	5	1.02
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	8	1.02
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	12	1.02
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	13	1.02
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	13	1.02
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	13	1.02
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	3	1.02
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	3	1.02
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	3	1.02
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	5	1.02
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	5	1.02
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	5	1.02
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	10	1.02
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	8	1.02
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	8	1.02
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	8	1.02
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	8	1.02
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	8	1.02
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	8	1.02
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	12	1.02
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	12	1.02
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	12	1.02
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	12	1.02
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	12	1.02
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	12	1.02
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	18	1.02
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	18	1.02
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	18	1.02
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	18	1.02
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	18	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	18	1.02
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	2	1.02
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	2	1.02
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	2	1.02
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	15	1.02
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	15	1.02
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	15	1.02
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	15	1.02
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	15	1.02
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	15	1.02
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	15	1.02
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	15	1.02
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	15	1.02
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	15	1.02
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	15	1.02
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	15	1.02
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	15	1.02
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	15	1.02
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	15	1.02
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	15	1.02
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	15	1.02
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	15	1.02
(1,62)	1:480:A:LEU:HA	1:480:A:LEU:HG	10	1.02
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	18	1.02
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	9	1.02
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	9	1.02
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	2	1.01
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	2	1.01
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	8	1.01
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	8	1.01
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	12	1.01
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	12	1.01
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	12	1.01
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	12	1.01
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	12	1.01
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	12	1.01
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	12	1.01
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	12	1.01
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	12	1.01
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	12	1.01
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	12	1.01
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	12	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	3	1.01
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	7	1.01
(1,2269)	1:443:A:ASN:HA	1:443:A:ASN:HD22	18	1.01
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	12	1.01
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	20	1.01
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	12	1.01
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	1	1.01
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	1	1.01
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	1	1.01
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	1	1.01
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	1	1.01
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	1	1.01
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	15	1.01
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	6	1.01
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	17	1.01
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	16	1.01
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	16	1.01
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	10	1.01
(1,1911)	1:400:A:GLU:H	1:433:A:SER:HB3	9	1.01
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	10	1.01
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	10	1.01
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	11	1.01
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	7	1.01
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	7	1.01
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	6	1.01
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	9	1.01
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	19	1.01
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	11	1.01
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	11	1.01
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	11	1.01
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD11	2	1.01
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD12	2	1.01
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD13	2	1.01
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD11	2	1.01
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD12	2	1.01
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD13	2	1.01
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	17	1.01
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	17	1.01
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	7	1.01
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	7	1.01
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	7	1.01
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	15	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	15	1.01
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	15	1.01
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	17	1.01
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	18	1.01
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	18	1.01
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	18	1.01
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	18	1.01
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	8	1.01
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	8	1.01
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	16	1.01
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	16	1.01
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	16	1.01
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	1	1.01
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	6	1.01
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	6	1.01
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	10	1.01
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	10	1.01
(1,1167)	1:398:A:GLN:HG3	1:433:A:SER:HB3	6	1.01
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG2	9	1.01
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG3	9	1.01
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	5	1.01
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	10	1.01
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	11	1.01
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	11	1.01
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	11	1.01
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	11	1.01
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	16	1.01
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	16	1.01
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	16	1.01
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	20	1.01
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	20	1.01
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	20	1.01
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	7	1.01
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	7	1.01
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	7	1.01
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	9	1.01
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	9	1.01
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	6	1.01
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	6	1.01
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	6	1.01
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	11	1.01
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	11	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	11	1.01
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	5	1.01
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	5	1.01
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	5	1.01
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	17	1.01
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	17	1.01
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	17	1.01
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	1	1.01
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	2	1.01
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	2	1.01
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	2	1.01
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	6	1.01
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	6	1.01
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	6	1.01
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	9	1.01
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	9	1.01
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	9	1.01
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	9	1.01
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	9	1.01
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	9	1.01
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	7	1.01
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	7	1.01
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	7	1.01
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	7	1.01
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	6	1.01
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	6	1.01
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	6	1.01
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	6	1.01
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	6	1.01
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	6	1.01
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	12	1.01
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	5	1.01
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	9	1.01
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	7	1.01
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	10	1.01
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	16	1.01
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	16	1.01
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	16	1.01
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB1	8	1.01
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB2	8	1.01
(1,271)	1:422:A:LEU:HG	1:434:A:ALA:HB3	8	1.01
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	17	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	5	1.01
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	5	1.01
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	5	1.01
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	4	1.01
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	4	1.01
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	16	1.01
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	16	1.01
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	14	1.01
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	14	1.01
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	14	1.01
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	14	1.01
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	14	1.01
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	14	1.01
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	19	1.01
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	19	1.01
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	19	1.01
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	19	1.01
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	19	1.01
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	19	1.01
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	13	1.01
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	13	1.01
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	13	1.01
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	13	1.01
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	13	1.01
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	13	1.01
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	14	1.01
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	14	1.01
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	14	1.01
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	14	1.01
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	14	1.01
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	14	1.01
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	14	1.01
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	14	1.01
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	14	1.01
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	1	1.01
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	1	1.01
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	1	1.01
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	1	1.01
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	1	1.01
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	1	1.01
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	1	1.01
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	1	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	1	1.01
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	1	1.01
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	1	1.01
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	1	1.01
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	11	1.01
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	11	1.01
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	11	1.01
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	11	1.01
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	11	1.01
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	11	1.01
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	11	1.01
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	11	1.01
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	11	1.01
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	11	1.01
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	11	1.01
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	11	1.01
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	14	1.01
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	19	1.01
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	16	1.0
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	16	1.0
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	16	1.0
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	15	1.0
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	15	1.0
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	15	1.0
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	15	1.0
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	15	1.0
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	15	1.0
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	15	1.0
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	15	1.0
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	15	1.0
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	15	1.0
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	15	1.0
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	15	1.0
(1,2320)	1:409:A:ILE:HG21	1:449:A:GLY:H	16	1.0
(1,2320)	1:409:A:ILE:HG22	1:449:A:GLY:H	16	1.0
(1,2320)	1:409:A:ILE:HG23	1:449:A:GLY:H	16	1.0
(1,2269)	1:443:A:ASN:HA	1:443:A:ASN:HD22	19	1.0
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	11	1.0
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	18	1.0
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	10	1.0
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	15	1.0
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	9	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	9	1.0
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	9	1.0
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	14	1.0
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	13	1.0
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	11	1.0
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	11	1.0
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	1	1.0
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	1	1.0
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	1	1.0
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	19	1.0
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	1	1.0
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	7	1.0
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	18	1.0
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	5	1.0
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	5	1.0
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	5	1.0
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	5	1.0
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	20	1.0
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	20	1.0
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	3	1.0
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	3	1.0
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	8	1.0
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	18	1.0
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	17	1.0
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	17	1.0
(1,1497)	1:406:A:ASN:HA	1:452:A:SER:HB3	19	1.0
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	20	1.0
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	7	1.0
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	7	1.0
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	7	1.0
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	16	1.0
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	9	1.0
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	9	1.0
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	9	1.0
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	18	1.0
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	18	1.0
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	18	1.0
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	5	1.0
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	5	1.0
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	11	1.0
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	11	1.0
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	15	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	15	1.0
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	16	1.0
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	16	1.0
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	19	1.0
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	19	1.0
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	18	1.0
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	18	1.0
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	18	1.0
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	10	1.0
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	16	1.0
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	16	1.0
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	16	1.0
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	8	1.0
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	8	1.0
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	9	1.0
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	9	1.0
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	9	1.0
(1,600)	1:409:A:ILE:HB	1:449:A:GLY:H	16	1.0
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	1	1.0
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	1	1.0
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	3	1.0
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	3	1.0
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	12	1.0
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	12	1.0
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	17	1.0
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	19	1.0
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	19	1.0
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	3	1.0
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	12	1.0
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	16	1.0
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	3	1.0
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	13	1.0
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	14	1.0
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	14	1.0
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	14	1.0
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	14	1.0
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	14	1.0
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	14	1.0
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	14	1.0
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	14	1.0
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	14	1.0
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	3	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	3	1.0
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	3	1.0
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	18	1.0
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	18	1.0
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	18	1.0
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	15	1.0
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	15	1.0
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	15	1.0
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	15	1.0
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	15	1.0
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	15	1.0
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	16	1.0
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	16	1.0
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	16	1.0
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	16	1.0
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	16	1.0
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	16	1.0
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB1	14	1.0
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB2	14	1.0
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB3	14	1.0
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	10	1.0
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	10	1.0
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	10	1.0
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	3	1.0
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	3	1.0
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	3	1.0
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	5	1.0
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	5	1.0
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	5	1.0
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	19	1.0
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	19	1.0
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	19	1.0
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	19	1.0
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	19	1.0
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	19	1.0
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB2	10	1.0
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB3	10	1.0
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB2	18	1.0
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB3	18	1.0
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	1	1.0
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	1	1.0
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	1	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	1	1.0
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	1	1.0
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	1	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	4	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	4	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	4	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	4	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	4	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	4	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	4	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	4	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	4	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	4	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	4	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	4	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	5	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	5	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	5	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	5	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	5	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	5	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	5	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	5	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	5	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	5	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	5	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	5	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	9	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	9	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	9	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	9	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	9	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	9	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	9	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	9	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	9	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	9	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	9	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	9	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	15	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	15	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	15	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	15	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	15	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	15	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	15	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	15	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	15	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	15	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	15	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	15	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	20	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	20	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	20	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	20	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	20	1.0
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	20	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	20	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	20	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	20	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	20	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	20	1.0
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	20	1.0
(1,62)	1:480:A:LEU:HA	1:480:A:LEU:HG	15	1.0
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE1	6	0.99
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE2	6	0.99
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE1	6	0.99
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE2	6	0.99
(1,2321)	1:412:A:LEU:HD11	1:449:A:GLY:H	5	0.99
(1,2321)	1:412:A:LEU:HD12	1:449:A:GLY:H	5	0.99
(1,2321)	1:412:A:LEU:HD13	1:449:A:GLY:H	5	0.99
(1,2321)	1:412:A:LEU:HD21	1:449:A:GLY:H	5	0.99
(1,2321)	1:412:A:LEU:HD22	1:449:A:GLY:H	5	0.99
(1,2321)	1:412:A:LEU:HD23	1:449:A:GLY:H	5	0.99
(1,2273)	1:459:A:ALA:H	1:460:A:GLN:HE22	8	0.99
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB2	14	0.99
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB3	14	0.99
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	9	0.99
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	7	0.99
(1,2209)	1:430:A:ASN:HD21	1:454:A:ASP:HB2	10	0.99
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	12	0.99
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	12	0.99
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	12	0.99
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	19	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	19	0.99
(1,2111)	1:418:A:ASP:HB3	1:419:A:GLN:H	15	0.99
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	12	0.99
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	19	0.99
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	7	0.99
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	7	0.99
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	15	0.99
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	15	0.99
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	15	0.99
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	17	0.99
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	4	0.99
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	15	0.99
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	2	0.99
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	2	0.99
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	2	0.99
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	7	0.99
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	2	0.99
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	8	0.99
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	1	0.99
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	1	0.99
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	1	0.99
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	10	0.99
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	10	0.99
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	10	0.99
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	19	0.99
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	19	0.99
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	19	0.99
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	4	0.99
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	4	0.99
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	9	0.99
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	9	0.99
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	16	0.99
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	16	0.99
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	17	0.99
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	13	0.99
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	17	0.99
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD11	3	0.99
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD12	3	0.99
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD13	3	0.99
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD11	3	0.99
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD12	3	0.99
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD13	3	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	3	0.99
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	3	0.99
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	3	0.99
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	10	0.99
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	10	0.99
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	10	0.99
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	8	0.99
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	20	0.99
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	20	0.99
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	20	0.99
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	20	0.99
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	20	0.99
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	20	0.99
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB2	2	0.99
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB3	2	0.99
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD2	12	0.99
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD3	12	0.99
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	17	0.99
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	17	0.99
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	17	0.99
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	17	0.99
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	2	0.99
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	2	0.99
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	2	0.99
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	2	0.99
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	8	0.99
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	8	0.99
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	18	0.99
(1,1237)	1:407:A:LEU:HD11	1:452:A:SER:HA	9	0.99
(1,1237)	1:407:A:LEU:HD12	1:452:A:SER:HA	9	0.99
(1,1237)	1:407:A:LEU:HD13	1:452:A:SER:HA	9	0.99
(1,1237)	1:407:A:LEU:HD21	1:452:A:SER:HA	9	0.99
(1,1237)	1:407:A:LEU:HD22	1:452:A:SER:HA	9	0.99
(1,1237)	1:407:A:LEU:HD23	1:452:A:SER:HA	9	0.99
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	2	0.99
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	2	0.99
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	2	0.99
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	1	0.99
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	1	0.99
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	1	0.99
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	1	0.99
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	8	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	8	0.99
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	8	0.99
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	12	0.99
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	12	0.99
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	12	0.99
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	17	0.99
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	17	0.99
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	17	0.99
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	19	0.99
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	19	0.99
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	19	0.99
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	10	0.99
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	10	0.99
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	10	0.99
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	11	0.99
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	11	0.99
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	11	0.99
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	20	0.99
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	20	0.99
(1,849)	1:421:A:ILE:H	1:421:A:ILE:HB	16	0.99
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	12	0.99
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	12	0.99
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	12	0.99
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	15	0.99
(1,786)	1:485:A:ASN:HB2	1:486:A:ASP:H	9	0.99
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	19	0.99
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	19	0.99
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	19	0.99
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	2	0.99
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	2	0.99
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	4	0.99
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	4	0.99
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	4	0.99
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	10	0.99
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	10	0.99
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	10	0.99
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	20	0.99
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	20	0.99
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	20	0.99
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	4	0.99
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	4	0.99
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	4	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	5	0.99
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	5	0.99
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	5	0.99
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	17	0.99
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	17	0.99
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	17	0.99
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	19	0.99
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	19	0.99
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	19	0.99
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	16	0.99
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	15	0.99
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	15	0.99
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	16	0.99
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	16	0.99
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	15	0.99
(1,506)	1:477:A:LYS:HE2	1:479:A:GLN:HA	10	0.99
(1,506)	1:477:A:LYS:HE3	1:479:A:GLN:HA	10	0.99
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	19	0.99
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	19	0.99
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	19	0.99
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	19	0.99
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	9	0.99
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	11	0.99
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	17	0.99
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	12	0.99
(1,373)	1:456:A:PRO:HD3	1:457:A:VAL:HA	16	0.99
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	19	0.99
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	19	0.99
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	19	0.99
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	20	0.99
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	20	0.99
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	20	0.99
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	2	0.99
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	2	0.99
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	2	0.99
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	11	0.99
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	11	0.99
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	11	0.99
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	11	0.99
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	11	0.99
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	11	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	2	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	2	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	2	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	2	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	2	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	2	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	2	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	2	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	2	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	2	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	2	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	2	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	6	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	6	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	6	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	6	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	6	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	6	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	6	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	6	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	6	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	6	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	6	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	6	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	7	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	7	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	7	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	7	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	7	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	7	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	7	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	7	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	7	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	7	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	7	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	7	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	8	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	8	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	8	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	8	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	8	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	8	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	8	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	8	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	8	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	8	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	8	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	8	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	18	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	18	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	18	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	18	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	18	0.99
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	18	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	18	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	18	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	18	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	18	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	18	0.99
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	18	0.99
(1,62)	1:480:A:LEU:HA	1:480:A:LEU:HG	19	0.99
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	20	0.99
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	4	0.98
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	16	0.98
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	16	0.98
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	10	0.98
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	10	0.98
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	16	0.98
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	16	0.98
(1,2028)	1:467:A:ASN:HB2	1:468:A:GLY:H	20	0.98
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	3	0.98
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	3	0.98
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	4	0.98
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	13	0.98
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	13	0.98
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	10	0.98
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	10	0.98
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	19	0.98
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	16	0.98
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	16	0.98
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	16	0.98
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	11	0.98
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	9	0.98
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	9	0.98
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	1	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD11	10	0.98
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD12	10	0.98
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD13	10	0.98
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD11	10	0.98
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD12	10	0.98
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD13	10	0.98
(1,1497)	1:406:A:ASN:HA	1:452:A:SER:HB3	16	0.98
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	2	0.98
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	2	0.98
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	2	0.98
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	18	0.98
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	18	0.98
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	18	0.98
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	4	0.98
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	11	0.98
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	18	0.98
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	10	0.98
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	10	0.98
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	10	0.98
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	19	0.98
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	19	0.98
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	19	0.98
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB2	9	0.98
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB3	9	0.98
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD11	16	0.98
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD12	16	0.98
(1,1263)	1:400:A:GLU:HA	1:432:A:ILE:HD13	16	0.98
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	8	0.98
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	8	0.98
(1,1161)	1:409:A:ILE:HG21	1:410:A:TYR:HA	14	0.98
(1,1161)	1:409:A:ILE:HG22	1:410:A:TYR:HA	14	0.98
(1,1161)	1:409:A:ILE:HG23	1:410:A:TYR:HA	14	0.98
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG2	12	0.98
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG3	12	0.98
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	15	0.98
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	8	0.98
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	8	0.98
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	18	0.98
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	18	0.98
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	3	0.98
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	3	0.98
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	3	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG21	13	0.98
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG22	13	0.98
(1,676)	1:471:A:ILE:HA	1:471:A:ILE:HG23	13	0.98
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB2	7	0.98
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB3	7	0.98
(1,611)	1:410:A:TYR:HB3	1:411:A:HIS:HD2	15	0.98
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	17	0.98
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	11	0.98
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	11	0.98
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	20	0.98
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	20	0.98
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	20	0.98
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	16	0.98
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	16	0.98
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	9	0.98
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	1	0.98
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	2	0.98
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	4	0.98
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	12	0.98
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	12	0.98
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	12	0.98
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	17	0.98
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	17	0.98
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	17	0.98
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	5	0.98
(1,192)	1:436:A:VAL:HG21	1:449:A:GLY:HA2	13	0.98
(1,192)	1:436:A:VAL:HG22	1:449:A:GLY:HA2	13	0.98
(1,192)	1:436:A:VAL:HG23	1:449:A:GLY:HA2	13	0.98
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	5	0.98
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	5	0.98
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	5	0.98
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	5	0.98
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	5	0.98
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	5	0.98
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	17	0.98
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	17	0.98
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	17	0.98
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	17	0.98
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	17	0.98
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	17	0.98
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	17	0.98
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	17	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	17	0.98
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	17	0.98
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	17	0.98
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	17	0.98
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	17	0.98
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	17	0.98
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	17	0.98
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	17	0.98
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	17	0.98
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	17	0.98
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	17	0.98
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	17	0.98
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	17	0.98
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	17	0.98
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	17	0.98
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	17	0.98
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	3	0.98
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	3	0.98
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	3	0.98
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	3	0.98
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	3	0.98
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	3	0.98
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	3	0.98
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	3	0.98
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	3	0.98
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	3	0.98
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	3	0.98
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	3	0.98
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	4	0.98
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	2	0.97
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	2	0.97
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	2	0.97
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	2	0.97
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	2	0.97
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	2	0.97
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	2	0.97
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	2	0.97
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	2	0.97
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	2	0.97
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	2	0.97
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	2	0.97
(1,2273)	1:459:A:ALA:H	1:460:A:GLN:HE22	18	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2269)	1:443:A:ASN:HA	1:443:A:ASN:HD22	13	0.97
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	19	0.97
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	3	0.97
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	6	0.97
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	9	0.97
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	13	0.97
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	4	0.97
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB2	6	0.97
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB3	6	0.97
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	18	0.97
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	18	0.97
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	16	0.97
(1,1923)	1:405:A:ALA:HB1	1:453:A:TYR:H	18	0.97
(1,1923)	1:405:A:ALA:HB2	1:453:A:TYR:H	18	0.97
(1,1923)	1:405:A:ALA:HB3	1:453:A:TYR:H	18	0.97
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	14	0.97
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	14	0.97
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	15	0.97
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	12	0.97
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	8	0.97
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	2	0.97
(1,1692)	1:432:A:ILE:HG12	1:454:A:ASP:HB2	7	0.97
(1,1692)	1:432:A:ILE:HG13	1:454:A:ASP:HB2	7	0.97
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	8	0.97
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD2	17	0.97
(1,1596)	1:424:A:MET:HA	1:427:A:PRO:HD3	17	0.97
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	2	0.97
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	2	0.97
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	2	0.97
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	2	0.97
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	2	0.97
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	2	0.97
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	12	0.97
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	12	0.97
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	14	0.97
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	14	0.97
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	4	0.97
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	3	0.97
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	10	0.97
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	14	0.97
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	14	0.97
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	14	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	10	0.97
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	10	0.97
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	12	0.97
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	18	0.97
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	18	0.97
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	18	0.97
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	7	0.97
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	15	0.97
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD2	10	0.97
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD3	10	0.97
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	3	0.97
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	3	0.97
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	3	0.97
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	3	0.97
(1,1326)	1:411:A:HIS:H	1:448:A:PHE:HA	8	0.97
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	3	0.97
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	3	0.97
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	3	0.97
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	7	0.97
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	7	0.97
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	12	0.97
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	12	0.97
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	11	0.97
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	11	0.97
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	11	0.97
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	12	0.97
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	12	0.97
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	4	0.97
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	4	0.97
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	4	0.97
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB2	8	0.97
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB3	8	0.97
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	3	0.97
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	3	0.97
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	3	0.97
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	9	0.97
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	9	0.97
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	9	0.97
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	9	0.97
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	3	0.97
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	9	0.97
(1,404)	1:468:A:GLY:HA3	1:475:A:ARG:HD3	6	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	14	0.97
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	14	0.97
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	17	0.97
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	5	0.97
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	3	0.97
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	3	0.97
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	3	0.97
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	3	0.97
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	3	0.97
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	3	0.97
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	3	0.97
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	3	0.97
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	3	0.97
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	10	0.97
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	10	0.97
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	10	0.97
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	10	0.97
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	10	0.97
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	10	0.97
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	10	0.97
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	10	0.97
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	10	0.97
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	4	0.97
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	4	0.97
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	4	0.97
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	14	0.97
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	14	0.97
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	14	0.97
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	14	0.97
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	14	0.97
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	14	0.97
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	9	0.97
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	9	0.97
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	9	0.97
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	10	0.97
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	7	0.97
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	7	0.97
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	7	0.97
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	19	0.97
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	19	0.97
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB2	12	0.97
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB3	12	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,159)	1:407:A:LEU:HB2	1:425:A:PHE:HD1	1	0.97
(1,159)	1:407:A:LEU:HB2	1:425:A:PHE:HD2	1	0.97
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	2	0.97
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	2	0.97
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	2	0.97
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	2	0.97
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	2	0.97
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	2	0.97
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	2	0.97
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	2	0.97
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	2	0.97
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	2	0.97
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	2	0.97
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	2	0.97
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	2	0.97
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	2	0.97
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	2	0.97
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	2	0.97
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	2	0.97
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	2	0.97
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	16	0.97
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	16	0.97
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	16	0.97
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	16	0.97
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	16	0.97
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	16	0.97
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	16	0.97
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	16	0.97
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	16	0.97
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	16	0.97
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	16	0.97
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	16	0.97
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	19	0.97
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	19	0.97
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	19	0.97
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	19	0.97
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	19	0.97
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	19	0.97
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	19	0.97
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	19	0.97
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	19	0.97
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	19	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	19	0.97
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	19	0.97
(1,60)	1:480:A:LEU:HG	1:481:A:LYS:H	4	0.97
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	18	0.97
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	14	0.97
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	14	0.97
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	14	0.97
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	12	0.97
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	20	0.97
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	5	0.96
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	5	0.96
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	5	0.96
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	5	0.96
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	5	0.96
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	5	0.96
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	5	0.96
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	5	0.96
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	5	0.96
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	5	0.96
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	5	0.96
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	5	0.96
(1,2269)	1:443:A:ASN:HA	1:443:A:ASN:HD22	4	0.96
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	17	0.96
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	15	0.96
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	15	0.96
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	15	0.96
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	6	0.96
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	9	0.96
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	9	0.96
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	4	0.96
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	14	0.96
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	18	0.96
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	6	0.96
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	14	0.96
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	14	0.96
(1,1805)	1:490:A:TYR:H	1:490:A:TYR:HB2	18	0.96
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	17	0.96
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	8	0.96
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	1	0.96
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	1	0.96
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	1	0.96
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	20	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	20	0.96
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	20	0.96
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	20	0.96
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	10	0.96
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	10	0.96
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	10	0.96
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	14	0.96
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	14	0.96
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	14	0.96
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	17	0.96
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	17	0.96
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	20	0.96
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	20	0.96
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	20	0.96
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	11	0.96
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	11	0.96
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	11	0.96
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	2	0.96
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	5	0.96
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	5	0.96
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	5	0.96
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	11	0.96
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	11	0.96
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	11	0.96
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	4	0.96
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	4	0.96
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	4	0.96
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	4	0.96
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	20	0.96
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	20	0.96
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	20	0.96
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	20	0.96
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	19	0.96
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	18	0.96
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	6	0.96
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	6	0.96
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	3	0.96
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	4	0.96
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	4	0.96
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	4	0.96
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	4	0.96
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	5	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	5	0.96
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	5	0.96
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	3	0.96
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	3	0.96
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	13	0.96
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	13	0.96
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	1	0.96
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	1	0.96
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	1	0.96
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	1	0.96
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	5	0.96
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	5	0.96
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	5	0.96
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	13	0.96
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	13	0.96
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	13	0.96
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE2	7	0.96
(1,727)	1:437:A:PHE:HB3	1:440:A:LYS:HE3	7	0.96
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD2	18	0.96
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD3	18	0.96
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	15	0.96
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	15	0.96
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	8	0.96
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	8	0.96
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	8	0.96
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	12	0.96
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	12	0.96
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	20	0.96
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	20	0.96
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB2	15	0.96
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB3	15	0.96
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	5	0.96
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	16	0.96
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	20	0.96
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	16	0.96
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	16	0.96
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	16	0.96
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	16	0.96
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	19	0.96
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	19	0.96
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	19	0.96
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	18	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	16	0.96
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	17	0.96
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	18	0.96
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	17	0.96
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	17	0.96
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	17	0.96
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	3	0.96
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	3	0.96
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	3	0.96
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	14	0.96
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	14	0.96
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	14	0.96
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	8	0.96
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	15	0.96
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	20	0.96
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	6	0.96
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	6	0.96
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	6	0.96
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	8	0.96
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	8	0.96
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	8	0.96
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	15	0.96
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	20	0.96
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	15	0.96
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	15	0.96
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	15	0.96
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	6	0.96
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	6	0.96
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	9	0.96
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	9	0.96
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	9	0.96
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	9	0.96
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	9	0.96
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	9	0.96
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	11	0.96
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	11	0.96
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	17	0.96
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	17	0.96
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	17	0.96
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	17	0.96
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	17	0.96
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	17	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	17	0.96
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	17	0.96
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	17	0.96
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	17	0.96
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	17	0.96
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	17	0.96
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	17	0.96
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	17	0.96
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	17	0.96
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	17	0.96
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	17	0.96
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	17	0.96
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	11	0.95
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	11	0.95
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	11	0.95
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	11	0.95
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	11	0.95
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	11	0.95
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	11	0.95
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	11	0.95
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	11	0.95
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	11	0.95
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	11	0.95
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	11	0.95
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	13	0.95
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	13	0.95
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	13	0.95
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	8	0.95
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	8	0.95
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	11	0.95
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	11	0.95
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	8	0.95
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	10	0.95
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	6	0.95
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	6	0.95
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	6	0.95
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	6	0.95
(1,1692)	1:432:A:ILE:HG12	1:454:A:ASP:HB2	14	0.95
(1,1692)	1:432:A:ILE:HG13	1:454:A:ASP:HB2	14	0.95
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	5	0.95
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	20	0.95
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	20	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	20	0.95
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	12	0.95
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	12	0.95
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	12	0.95
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	12	0.95
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	12	0.95
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	12	0.95
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	19	0.95
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	19	0.95
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	20	0.95
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	20	0.95
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	20	0.95
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	20	0.95
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	20	0.95
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	7	0.95
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	7	0.95
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	7	0.95
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	2	0.95
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	3	0.95
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	8	0.95
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	10	0.95
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	16	0.95
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	17	0.95
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	13	0.95
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	12	0.95
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	12	0.95
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	3	0.95
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	3	0.95
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	3	0.95
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	8	0.95
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	8	0.95
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	8	0.95
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	17	0.95
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	17	0.95
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	17	0.95
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	20	0.95
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	20	0.95
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	20	0.95
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	9	0.95
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	17	0.95
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	17	0.95
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	17	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD2	6	0.95
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD3	6	0.95
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	13	0.95
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	13	0.95
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	13	0.95
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	2	0.95
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	6	0.95
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	6	0.95
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	14	0.95
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	14	0.95
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	14	0.95
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	17	0.95
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	17	0.95
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	17	0.95
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	3	0.95
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	3	0.95
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	3	0.95
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	8	0.95
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	8	0.95
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	8	0.95
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	15	0.95
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	15	0.95
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	15	0.95
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	8	0.95
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	13	0.95
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	13	0.95
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	13	0.95
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	19	0.95
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	19	0.95
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	19	0.95
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	10	0.95
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	10	0.95
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	10	0.95
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	10	0.95
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	10	0.95
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	10	0.95
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	10	0.95
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	10	0.95
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	10	0.95
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	10	0.95
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	10	0.95
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	10	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	12	0.95
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	12	0.95
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	12	0.95
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	12	0.95
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	12	0.95
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	12	0.95
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	12	0.95
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	12	0.95
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	12	0.95
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	12	0.95
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	12	0.95
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	12	0.95
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD1	9	0.94
(1,2374)	1:450:A:PHE:H	1:450:A:PHE:HD2	9	0.94
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	9	0.94
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	9	0.94
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	9	0.94
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	8	0.94
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	7	0.94
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	7	0.94
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	7	0.94
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	19	0.94
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	13	0.94
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	13	0.94
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	13	0.94
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	6	0.94
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	6	0.94
(1,2111)	1:418:A:ASP:HB3	1:419:A:GLN:H	7	0.94
(1,2110)	1:418:A:ASP:HB2	1:419:A:GLN:H	8	0.94
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	16	0.94
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	9	0.94
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	7	0.94
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	6	0.94
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	19	0.94
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	18	0.94
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	18	0.94
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	18	0.94
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	18	0.94
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	8	0.94
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	8	0.94
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	8	0.94
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	8	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	8	0.94
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	8	0.94
(1,1555)	1:414:A:GLN:H	1:414:A:GLN:HB3	4	0.94
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD11	14	0.94
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD12	14	0.94
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD13	14	0.94
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD11	14	0.94
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD12	14	0.94
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD13	14	0.94
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	8	0.94
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	8	0.94
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	8	0.94
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	6	0.94
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	6	0.94
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	6	0.94
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	7	0.94
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	8	0.94
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	8	0.94
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	8	0.94
(1,1288)	1:398:A:GLN:HA	1:433:A:SER:HB2	8	0.94
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	13	0.94
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	13	0.94
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	4	0.94
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE2	10	0.94
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE3	10	0.94
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	1	0.94
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	14	0.94
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	2	0.94
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	2	0.94
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	2	0.94
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	2	0.94
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	18	0.94
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	18	0.94
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	18	0.94
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	18	0.94
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	11	0.94
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	11	0.94
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	11	0.94
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	3	0.94
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	3	0.94
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	3	0.94
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	12	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	12	0.94
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	12	0.94
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG12	1	0.94
(1,897)	1:471:A:ILE:HA	1:471:A:ILE:HG13	1	0.94
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	18	0.94
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	18	0.94
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	18	0.94
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	11	0.94
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	1	0.94
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	1	0.94
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	1	0.94
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	4	0.94
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	4	0.94
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	4	0.94
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	4	0.94
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	4	0.94
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	4	0.94
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	10	0.94
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	10	0.94
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	10	0.94
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB2	13	0.94
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB3	13	0.94
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB2	14	0.94
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB3	14	0.94
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	1	0.94
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	20	0.94
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	6	0.94
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	6	0.94
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	4	0.94
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	4	0.94
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	4	0.94
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	3	0.94
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	7	0.94
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	3	0.94
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	3	0.94
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	3	0.94
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	16	0.94
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	16	0.94
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	16	0.94
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	16	0.94
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	16	0.94
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	16	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	16	0.94
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	16	0.94
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	16	0.94
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	4	0.94
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	4	0.94
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	4	0.94
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	2	0.94
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	3	0.94
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	4	0.94
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	4	0.94
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	4	0.94
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	4	0.94
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	4	0.94
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	4	0.94
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	9	0.94
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	9	0.94
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	9	0.94
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	17	0.94
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	17	0.94
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	17	0.94
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	17	0.94
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	17	0.94
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	17	0.94
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	17	0.94
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	17	0.94
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	17	0.94
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	17	0.94
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	17	0.94
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	17	0.94
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	18	0.94
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	18	0.94
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	18	0.94
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	18	0.94
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	18	0.94
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	18	0.94
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE1	2	0.93
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE2	2	0.93
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE1	2	0.93
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE2	2	0.93
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	17	0.93
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	17	0.93
(1,2321)	1:412:A:LEU:HD11	1:449:A:GLY:H	17	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2321)	1:412:A:LEU:HD12	1:449:A:GLY:H	17	0.93
(1,2321)	1:412:A:LEU:HD13	1:449:A:GLY:H	17	0.93
(1,2321)	1:412:A:LEU:HD21	1:449:A:GLY:H	17	0.93
(1,2321)	1:412:A:LEU:HD22	1:449:A:GLY:H	17	0.93
(1,2321)	1:412:A:LEU:HD23	1:449:A:GLY:H	17	0.93
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	17	0.93
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	17	0.93
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	19	0.93
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	19	0.93
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	8	0.93
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	13	0.93
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	4	0.93
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	4	0.93
(1,2001)	1:466:A:MET:H	1:467:A:ASN:H	16	0.93
(1,1925)	1:452:A:SER:HB2	1:453:A:TYR:H	6	0.93
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	3	0.93
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	17	0.93
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	6	0.93
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	19	0.93
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	17	0.93
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	17	0.93
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	2	0.93
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	2	0.93
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	6	0.93
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	6	0.93
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	8	0.93
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	8	0.93
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	18	0.93
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	18	0.93
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	19	0.93
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	19	0.93
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	16	0.93
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	16	0.93
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	1	0.93
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	1	0.93
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	1	0.93
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	1	0.93
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	1	0.93
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	1	0.93
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	8	0.93
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	8	0.93
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	12	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD11	5	0.93
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD12	5	0.93
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD13	5	0.93
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD11	5	0.93
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD12	5	0.93
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD13	5	0.93
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	6	0.93
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	6	0.93
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	17	0.93
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	17	0.93
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	17	0.93
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	1	0.93
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	1	0.93
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	6	0.93
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	6	0.93
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	11	0.93
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	11	0.93
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	11	0.93
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	15	0.93
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	15	0.93
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	15	0.93
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	17	0.93
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	17	0.93
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	17	0.93
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB2	7	0.93
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB3	7	0.93
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	18	0.93
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	18	0.93
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	9	0.93
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	9	0.93
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	13	0.93
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	6	0.93
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	6	0.93
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	5	0.93
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	8	0.93
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	8	0.93
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	8	0.93
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	5	0.93
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	13	0.93
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	20	0.93
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	6	0.93
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	20	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	20	0.93
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	20	0.93
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	20	0.93
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	20	0.93
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	20	0.93
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	19	0.93
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	8	0.93
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	8	0.93
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	8	0.93
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	8	0.93
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	6	0.93
(1,426)	1:433:A:SER:HB2	1:452:A:SER:HB3	18	0.93
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	1	0.93
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	5	0.93
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	8	0.93
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	2	0.93
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	2	0.93
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	2	0.93
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	5	0.93
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	5	0.93
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	5	0.93
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	5	0.93
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	5	0.93
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	5	0.93
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	7	0.93
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	9	0.93
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	9	0.93
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	18	0.93
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	18	0.93
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB2	17	0.93
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB3	17	0.93
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	8	0.93
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	8	0.93
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	8	0.93
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	6	0.93
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	12	0.93
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	12	0.93
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	16	0.93
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	16	0.93
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	16	0.93
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	3	0.93
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE1	8	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE2	8	0.92
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE1	8	0.92
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE2	8	0.92
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE1	16	0.92
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE2	16	0.92
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE1	16	0.92
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE2	16	0.92
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	6	0.92
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	6	0.92
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	6	0.92
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	6	0.92
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	6	0.92
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	6	0.92
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	6	0.92
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	6	0.92
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	6	0.92
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	6	0.92
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	6	0.92
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	6	0.92
(1,2321)	1:412:A:LEU:HD11	1:449:A:GLY:H	13	0.92
(1,2321)	1:412:A:LEU:HD12	1:449:A:GLY:H	13	0.92
(1,2321)	1:412:A:LEU:HD13	1:449:A:GLY:H	13	0.92
(1,2321)	1:412:A:LEU:HD21	1:449:A:GLY:H	13	0.92
(1,2321)	1:412:A:LEU:HD22	1:449:A:GLY:H	13	0.92
(1,2321)	1:412:A:LEU:HD23	1:449:A:GLY:H	13	0.92
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	13	0.92
(1,2289)	1:456:A:PRO:HB2	1:460:A:GLN:HE21	3	0.92
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	1	0.92
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	1	0.92
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	1	0.92
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	5	0.92
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	8	0.92
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	9	0.92
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	9	0.92
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	9	0.92
(1,2150)	1:406:A:ASN:H	1:406:A:ASN:HB2	9	0.92
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	8	0.92
(1,1936)	1:486:A:ASP:H	1:486:A:ASP:HB2	20	0.92
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	13	0.92
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	13	0.92
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	13	0.92
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	17	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	17	0.92
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	17	0.92
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	20	0.92
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	10	0.92
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	18	0.92
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	18	0.92
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	18	0.92
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	11	0.92
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	11	0.92
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	5	0.92
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	5	0.92
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	5	0.92
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	15	0.92
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	16	0.92
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	16	0.92
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	16	0.92
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	18	0.92
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	18	0.92
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	18	0.92
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	18	0.92
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	18	0.92
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	14	0.92
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	14	0.92
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	14	0.92
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	14	0.92
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	9	0.92
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	16	0.92
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	12	0.92
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	18	0.92
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	18	0.92
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	2	0.92
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	18	0.92
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	15	0.92
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	15	0.92
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	15	0.92
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	2	0.92
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	1	0.92
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	1	0.92
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	1	0.92
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	3	0.92
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	3	0.92
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	3	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	18	0.92
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	18	0.92
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	18	0.92
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG11	11	0.92
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG12	11	0.92
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG13	11	0.92
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG21	15	0.92
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG22	15	0.92
(1,655)	1:432:A:ILE:HA	1:432:A:ILE:HG23	15	0.92
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	14	0.92
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	14	0.92
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	14	0.92
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	14	0.92
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	14	0.92
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	14	0.92
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	19	0.92
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	19	0.92
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	19	0.92
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	19	0.92
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	19	0.92
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	19	0.92
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	8	0.92
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	20	0.92
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	8	0.92
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	13	0.92
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	2	0.92
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	2	0.92
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	2	0.92
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	11	0.92
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	11	0.92
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	11	0.92
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	14	0.92
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	7	0.92
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	7	0.92
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	7	0.92
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	9	0.92
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	9	0.92
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	9	0.92
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	1	0.92
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	1	0.92
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	1	0.92
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	1	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	1	0.92
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	1	0.92
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	5	0.92
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	5	0.92
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	5	0.92
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	5	0.92
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	5	0.92
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	5	0.92
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	15	0.92
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	15	0.92
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	18	0.92
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	18	0.92
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	18	0.92
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	18	0.92
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	18	0.92
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	18	0.92
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	18	0.92
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	18	0.92
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	18	0.92
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	18	0.92
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	18	0.92
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	18	0.92
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	6	0.92
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	6	0.92
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	6	0.92
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	6	0.92
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	6	0.92
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	6	0.92
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	6	0.92
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	6	0.92
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	6	0.92
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	6	0.92
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	6	0.92
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	6	0.92
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	6	0.92
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	6	0.92
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	6	0.92
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	6	0.92
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	6	0.92
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	6	0.92
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	1	0.92
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	1	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	1	0.92
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	1	0.92
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	1	0.92
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	1	0.92
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	8	0.92
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	8	0.92
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	8	0.92
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	8	0.92
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	8	0.92
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	8	0.92
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	8	0.92
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	8	0.92
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	8	0.92
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	8	0.92
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	8	0.92
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	8	0.92
(1,2321)	1:412:A:LEU:HD11	1:449:A:GLY:H	16	0.91
(1,2321)	1:412:A:LEU:HD12	1:449:A:GLY:H	16	0.91
(1,2321)	1:412:A:LEU:HD13	1:449:A:GLY:H	16	0.91
(1,2321)	1:412:A:LEU:HD21	1:449:A:GLY:H	16	0.91
(1,2321)	1:412:A:LEU:HD22	1:449:A:GLY:H	16	0.91
(1,2321)	1:412:A:LEU:HD23	1:449:A:GLY:H	16	0.91
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	16	0.91
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	11	0.91
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	1	0.91
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	2	0.91
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	14	0.91
(1,2228)	1:453:A:TYR:HB3	1:454:A:ASP:H	14	0.91
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	5	0.91
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	5	0.91
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	5	0.91
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	1	0.91
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	1	0.91
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	7	0.91
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	7	0.91
(1,2142)	1:439:A:ASP:HB3	1:445:A:SER:H	15	0.91
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	6	0.91
(1,2031)	1:482:A:ARG:HB3	1:483:A:SER:H	19	0.91
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	14	0.91
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	14	0.91
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG12	18	0.91
(1,2023)	1:463:A:ILE:H	1:463:A:ILE:HG13	18	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1922)	1:452:A:SER:HB3	1:453:A:TYR:H	8	0.91
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	4	0.91
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	4	0.91
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	4	0.91
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	4	0.91
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	4	0.91
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	4	0.91
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	9	0.91
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	20	0.91
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	15	0.91
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	3	0.91
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	3	0.91
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	3	0.91
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	12	0.91
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	12	0.91
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	12	0.91
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	12	0.91
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	12	0.91
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	12	0.91
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	12	0.91
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	12	0.91
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	12	0.91
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	12	0.91
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	12	0.91
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	12	0.91
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	19	0.91
(1,1692)	1:432:A:ILE:HG12	1:454:A:ASP:HB2	11	0.91
(1,1692)	1:432:A:ILE:HG13	1:454:A:ASP:HB2	11	0.91
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG2	16	0.91
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG3	16	0.91
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	12	0.91
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	4	0.91
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	6	0.91
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	6	0.91
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	12	0.91
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	12	0.91
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD11	1	0.91
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD12	1	0.91
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD13	1	0.91
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD11	1	0.91
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD12	1	0.91
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD13	1	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	18	0.91
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	18	0.91
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	18	0.91
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	20	0.91
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	20	0.91
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	20	0.91
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	6	0.91
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	12	0.91
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	12	0.91
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	12	0.91
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	12	0.91
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	12	0.91
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	12	0.91
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	8	0.91
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	8	0.91
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG2	12	0.91
(1,1337)	1:426:A:MET:HA	1:426:A:MET:HG3	12	0.91
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	9	0.91
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	9	0.91
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	1	0.91
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	1	0.91
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	14	0.91
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	4	0.91
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	4	0.91
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	4	0.91
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	2	0.91
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	2	0.91
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	2	0.91
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	6	0.91
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	6	0.91
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	6	0.91
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	4	0.91
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	4	0.91
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	4	0.91
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	6	0.91
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	10	0.91
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	10	0.91
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	10	0.91
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	10	0.91
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	2	0.91
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	2	0.91
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	2	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	2	0.91
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	2	0.91
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	2	0.91
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	10	0.91
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	10	0.91
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	10	0.91
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB2	4	0.91
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB3	4	0.91
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	5	0.91
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	19	0.91
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	1	0.91
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	1	0.91
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	1	0.91
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	7	0.91
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	17	0.91
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	17	0.91
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	17	0.91
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	6	0.91
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	6	0.91
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	6	0.91
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	6	0.91
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	6	0.91
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	6	0.91
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	9	0.91
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	7	0.91
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	7	0.91
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	7	0.91
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	13	0.91
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	13	0.91
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	13	0.91
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	14	0.91
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	14	0.91
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	14	0.91
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	14	0.91
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	14	0.91
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	14	0.91
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	19	0.91
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	19	0.91
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	19	0.91
(1,158)	1:407:A:LEU:HB3	1:451:A:VAL:H	18	0.91
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	16	0.91
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	16	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	16	0.91
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	16	0.91
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	16	0.91
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	16	0.91
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	16	0.91
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	16	0.91
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	16	0.91
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	16	0.91
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	16	0.91
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	16	0.91
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	13	0.91
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	13	0.91
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	13	0.91
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	13	0.91
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	13	0.91
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	13	0.91
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	13	0.91
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	13	0.91
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	13	0.91
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	13	0.91
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	13	0.91
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	13	0.91
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	11	0.91
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	11	0.91
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	10	0.91
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	10	0.91
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	19	0.91
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	19	0.91
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	19	0.91
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	19	0.91
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	19	0.91
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	19	0.91
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	19	0.91
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	19	0.91
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	19	0.91
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	19	0.91
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	19	0.91
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	19	0.91
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	7	0.91
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	19	0.91
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE1	12	0.9
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE2	12	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE1	12	0.9
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE2	12	0.9
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	15	0.9
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	15	0.9
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	15	0.9
(1,2321)	1:412:A:LEU:HD11	1:449:A:GLY:H	2	0.9
(1,2321)	1:412:A:LEU:HD12	1:449:A:GLY:H	2	0.9
(1,2321)	1:412:A:LEU:HD13	1:449:A:GLY:H	2	0.9
(1,2321)	1:412:A:LEU:HD21	1:449:A:GLY:H	2	0.9
(1,2321)	1:412:A:LEU:HD22	1:449:A:GLY:H	2	0.9
(1,2321)	1:412:A:LEU:HD23	1:449:A:GLY:H	2	0.9
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	2	0.9
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	2	0.9
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	3	0.9
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	20	0.9
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	11	0.9
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	10	0.9
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	10	0.9
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	10	0.9
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	15	0.9
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	15	0.9
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	15	0.9
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	10	0.9
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	17	0.9
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	8	0.9
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	8	0.9
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	8	0.9
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	19	0.9
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	19	0.9
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	3	0.9
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	6	0.9
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	8	0.9
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	6	0.9
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	18	0.9
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	12	0.9
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	8	0.9
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	13	0.9
(1,1692)	1:432:A:ILE:HG12	1:454:A:ASP:HB2	8	0.9
(1,1692)	1:432:A:ILE:HG13	1:454:A:ASP:HB2	8	0.9
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	17	0.9
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	17	0.9
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	17	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	19	0.9
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	19	0.9
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	19	0.9
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	19	0.9
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	19	0.9
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	19	0.9
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	5	0.9
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD11	20	0.9
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD12	20	0.9
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD13	20	0.9
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD11	20	0.9
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD12	20	0.9
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD13	20	0.9
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	17	0.9
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	17	0.9
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	20	0.9
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	20	0.9
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	13	0.9
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	13	0.9
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	13	0.9
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	15	0.9
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	15	0.9
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	12	0.9
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	19	0.9
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	13	0.9
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	13	0.9
(1,1139)	1:477:A:LYS:HG2	1:479:A:GLN:HG2	10	0.9
(1,1139)	1:477:A:LYS:HG2	1:479:A:GLN:HG3	10	0.9
(1,1139)	1:477:A:LYS:HG3	1:479:A:GLN:HG2	10	0.9
(1,1139)	1:477:A:LYS:HG3	1:479:A:GLN:HG3	10	0.9
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	8	0.9
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	8	0.9
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	8	0.9
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	7	0.9
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	10	0.9
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	3	0.9
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	3	0.9
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	3	0.9
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	6	0.9
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	6	0.9
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	6	0.9
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	17	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	13	0.9
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	19	0.9
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	19	0.9
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	19	0.9
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	7	0.9
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	7	0.9
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	17	0.9
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	20	0.9
(1,786)	1:485:A:ASN:HB2	1:486:A:ASP:H	18	0.9
(1,713)	1:429:A:GLY:HA3	1:458:A:SER:HB2	7	0.9
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	6	0.9
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	6	0.9
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	6	0.9
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	6	0.9
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	6	0.9
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	6	0.9
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	3	0.9
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	3	0.9
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	16	0.9
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	16	0.9
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	16	0.9
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	11	0.9
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	11	0.9
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	11	0.9
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	10	0.9
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	19	0.9
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	11	0.9
(1,425)	1:433:A:SER:HB2	1:434:A:ALA:HA	9	0.9
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	18	0.9
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	18	0.9
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	9	0.9
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	9	0.9
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	9	0.9
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	10	0.9
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	10	0.9
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	10	0.9
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	8	0.9
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	8	0.9
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	8	0.9
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	8	0.9
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	8	0.9
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	8	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	8	0.9
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	8	0.9
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	8	0.9
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	1	0.9
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	1	0.9
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	1	0.9
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	1	0.9
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	1	0.9
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	1	0.9
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	6	0.9
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	15	0.9
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	15	0.9
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	15	0.9
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	2	0.9
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	2	0.9
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	2	0.9
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	6	0.9
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	6	0.9
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	6	0.9
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	5	0.9
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	5	0.9
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	5	0.9
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	8	0.9
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	8	0.9
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	8	0.9
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	15	0.9
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	15	0.9
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	15	0.9
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	14	0.9
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	14	0.9
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	14	0.9
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	14	0.9
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	14	0.9
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	14	0.9
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	14	0.9
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	14	0.9
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	14	0.9
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	14	0.9
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	14	0.9
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	14	0.9
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	14	0.9
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	14	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	14	0.9
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	14	0.9
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	14	0.9
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	14	0.9
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	2	0.9
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	2	0.9
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	2	0.9
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	2	0.9
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	2	0.9
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	2	0.9
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	4	0.9
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	4	0.9
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	1	0.89
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	7	0.89
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	7	0.89
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	7	0.89
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	7	0.89
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	7	0.89
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	7	0.89
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	7	0.89
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	7	0.89
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	7	0.89
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	7	0.89
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	7	0.89
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	7	0.89
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	10	0.89
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	10	0.89
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	10	0.89
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	10	0.89
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	10	0.89
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	10	0.89
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	10	0.89
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	10	0.89
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	10	0.89
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	10	0.89
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	10	0.89
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	10	0.89
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD1	17	0.89
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD2	17	0.89
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD1	17	0.89
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD2	17	0.89
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD1	17	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD2	17	0.89
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD1	17	0.89
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD2	17	0.89
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD1	17	0.89
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD2	17	0.89
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD1	17	0.89
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD2	17	0.89
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	14	0.89
(1,2244)	1:444:A:LEU:HD11	1:479:A:GLN:HE22	11	0.89
(1,2244)	1:444:A:LEU:HD12	1:479:A:GLN:HE22	11	0.89
(1,2244)	1:444:A:LEU:HD13	1:479:A:GLN:HE22	11	0.89
(1,2244)	1:444:A:LEU:HD21	1:479:A:GLN:HE22	11	0.89
(1,2244)	1:444:A:LEU:HD22	1:479:A:GLN:HE22	11	0.89
(1,2244)	1:444:A:LEU:HD23	1:479:A:GLN:HE22	11	0.89
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	12	0.89
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	9	0.89
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	9	0.89
(1,2110)	1:418:A:ASP:HB2	1:419:A:GLN:H	16	0.89
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	19	0.89
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	2	0.89
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	20	0.89
(1,1901)	1:418:A:ASP:H	1:418:A:ASP:HB3	1	0.89
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	14	0.89
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	7	0.89
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	13	0.89
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	18	0.89
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	18	0.89
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	18	0.89
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	7	0.89
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	7	0.89
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	7	0.89
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	7	0.89
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	6	0.89
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	10	0.89
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	15	0.89
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	15	0.89
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	4	0.89
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	4	0.89
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	4	0.89
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	3	0.89
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	3	0.89
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	3	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	16	0.89
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	16	0.89
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	16	0.89
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	1	0.89
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	1	0.89
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	1	0.89
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	8	0.89
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	8	0.89
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	3	0.89
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	3	0.89
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	3	0.89
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	12	0.89
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	12	0.89
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	11	0.89
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	11	0.89
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	11	0.89
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	4	0.89
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	4	0.89
(1,1139)	1:477:A:LYS:HG2	1:479:A:GLN:HG2	17	0.89
(1,1139)	1:477:A:LYS:HG2	1:479:A:GLN:HG3	17	0.89
(1,1139)	1:477:A:LYS:HG3	1:479:A:GLN:HG2	17	0.89
(1,1139)	1:477:A:LYS:HG3	1:479:A:GLN:HG3	17	0.89
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	20	0.89
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	20	0.89
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	20	0.89
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	11	0.89
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	10	0.89
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	10	0.89
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	10	0.89
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	20	0.89
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	20	0.89
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	20	0.89
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	2	0.89
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	2	0.89
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	2	0.89
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	2	0.89
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	14	0.89
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	14	0.89
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	14	0.89
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	15	0.89
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	15	0.89
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	15	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	7	0.89
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	17	0.89
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	17	0.89
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	17	0.89
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	17	0.89
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	17	0.89
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	17	0.89
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	20	0.89
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	20	0.89
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	20	0.89
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	18	0.89
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	15	0.89
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	8	0.89
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	10	0.89
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	1	0.89
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	1	0.89
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	1	0.89
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	5	0.89
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	5	0.89
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	5	0.89
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	15	0.89
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	15	0.89
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	15	0.89
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	15	0.89
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	15	0.89
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	15	0.89
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	15	0.89
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	15	0.89
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	15	0.89
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	15	0.89
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	15	0.89
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	15	0.89
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	15	0.89
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	15	0.89
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	15	0.89
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	4	0.89
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	5	0.89
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	16	0.89
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	12	0.89
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	12	0.89
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	12	0.89
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	10	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	10	0.89
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	10	0.89
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	3	0.89
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	9	0.89
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	9	0.89
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	9	0.89
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	9	0.89
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	9	0.89
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	9	0.89
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	12	0.89
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	12	0.89
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	12	0.89
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	12	0.89
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	12	0.89
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	12	0.89
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	12	0.89
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	12	0.89
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	12	0.89
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	12	0.89
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	12	0.89
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	12	0.89
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	12	0.89
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	12	0.89
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	12	0.89
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	12	0.89
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	12	0.89
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	12	0.89
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	17	0.88
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	17	0.88
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD1	10	0.88
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD2	10	0.88
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	16	0.88
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	16	0.88
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	16	0.88
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	5	0.88
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	9	0.88
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	9	0.88
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	9	0.88
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	12	0.88
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	12	0.88
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	12	0.88
(1,2179)	1:412:A:LEU:H	1:448:A:PHE:HA	4	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD1	5	0.88
(1,2154)	1:415:A:GLU:H	1:416:A:PHE:HD2	5	0.88
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	15	0.88
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	7	0.88
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	7	0.88
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	3	0.88
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	3	0.88
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	3	0.88
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	3	0.88
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	3	0.88
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	3	0.88
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	3	0.88
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	3	0.88
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	3	0.88
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	3	0.88
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	3	0.88
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	3	0.88
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	5	0.88
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	5	0.88
(1,1692)	1:432:A:ILE:HG12	1:454:A:ASP:HB2	1	0.88
(1,1692)	1:432:A:ILE:HG13	1:454:A:ASP:HB2	1	0.88
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	20	0.88
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	6	0.88
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	6	0.88
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	11	0.88
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	11	0.88
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	11	0.88
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	6	0.88
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	6	0.88
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	6	0.88
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	1	0.88
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	1	0.88
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	4	0.88
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	4	0.88
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	4	0.88
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	4	0.88
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	14	0.88
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	14	0.88
(1,1029)	1:486:A:ASP:HB3	1:487:A:SER:HA	11	0.88
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	9	0.88
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	9	0.88
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	9	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	18	0.88
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	18	0.88
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	18	0.88
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG11	8	0.88
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG12	8	0.88
(1,967)	1:422:A:LEU:HA	1:431:A:VAL:HG13	8	0.88
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	2	0.88
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	16	0.88
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	16	0.88
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	3	0.88
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	3	0.88
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	3	0.88
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	19	0.88
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	8	0.88
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	8	0.88
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	8	0.88
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	8	0.88
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	8	0.88
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	8	0.88
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	8	0.88
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	8	0.88
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	16	0.88
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	16	0.88
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	16	0.88
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	16	0.88
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	17	0.88
(1,395)	1:405:A:ALA:HB1	1:452:A:SER:HB2	13	0.88
(1,395)	1:405:A:ALA:HB2	1:452:A:SER:HB2	13	0.88
(1,395)	1:405:A:ALA:HB3	1:452:A:SER:HB2	13	0.88
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	16	0.88
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	16	0.88
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	16	0.88
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	5	0.88
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	5	0.88
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	5	0.88
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	1	0.88
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	1	0.88
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	1	0.88
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	6	0.88
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	6	0.88
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	6	0.88
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	6	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	6	0.88
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	6	0.88
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	2	0.88
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	2	0.88
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	2	0.88
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	11	0.88
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	11	0.88
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	11	0.88
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	3	0.88
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	3	0.88
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	11	0.88
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	11	0.88
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	3	0.88
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	3	0.88
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	3	0.88
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	3	0.88
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	3	0.88
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	3	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	2	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	2	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	2	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	2	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	2	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	2	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	3	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	3	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	3	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	3	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	3	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	3	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	17	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	17	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	17	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	17	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	17	0.88
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	17	0.88
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	18	0.88
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	18	0.88
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	18	0.88
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	18	0.88
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	18	0.88
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	18	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	18	0.88
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	18	0.88
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	18	0.88
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	18	0.88
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	18	0.88
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	18	0.88
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	18	0.88
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	18	0.88
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	18	0.88
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	18	0.88
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	18	0.88
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	18	0.88
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	15	0.88
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	15	0.88
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	13	0.88
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	13	0.88
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	13	0.88
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	13	0.88
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	13	0.88
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	13	0.88
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	16	0.88
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	16	0.88
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	16	0.88
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	16	0.88
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	16	0.88
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	16	0.88
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE1	3	0.87
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE2	3	0.87
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE1	3	0.87
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE2	3	0.87
(1,2321)	1:412:A:LEU:HD11	1:449:A:GLY:H	11	0.87
(1,2321)	1:412:A:LEU:HD12	1:449:A:GLY:H	11	0.87
(1,2321)	1:412:A:LEU:HD13	1:449:A:GLY:H	11	0.87
(1,2321)	1:412:A:LEU:HD21	1:449:A:GLY:H	11	0.87
(1,2321)	1:412:A:LEU:HD22	1:449:A:GLY:H	11	0.87
(1,2321)	1:412:A:LEU:HD23	1:449:A:GLY:H	11	0.87
(1,2319)	1:448:A:PHE:HB2	1:449:A:GLY:H	17	0.87
(1,2319)	1:448:A:PHE:HB3	1:449:A:GLY:H	17	0.87
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB2	4	0.87
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB3	4	0.87
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	12	0.87
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	8	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	10	0.87
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	14	0.87
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	5	0.87
(1,2111)	1:418:A:ASP:HB3	1:419:A:GLN:H	20	0.87
(1,2110)	1:418:A:ASP:HB2	1:419:A:GLN:H	17	0.87
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	13	0.87
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	1	0.87
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	8	0.87
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	8	0.87
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	8	0.87
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	2	0.87
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	2	0.87
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	2	0.87
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	2	0.87
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	2	0.87
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	2	0.87
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	2	0.87
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	2	0.87
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	2	0.87
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	2	0.87
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	2	0.87
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	2	0.87
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	3	0.87
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	8	0.87
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	9	0.87
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	15	0.87
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	18	0.87
(1,1593)	1:427:A:PRO:HD2	1:428:A:PHE:H	13	0.87
(1,1593)	1:427:A:PRO:HD3	1:428:A:PHE:H	13	0.87
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	18	0.87
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	18	0.87
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	2	0.87
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	2	0.87
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	2	0.87
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	3	0.87
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	3	0.87
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	1	0.87
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	19	0.87
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	20	0.87
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	20	0.87
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	13	0.87
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	12	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	10	0.87
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	10	0.87
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	11	0.87
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	11	0.87
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	5	0.87
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	5	0.87
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	3	0.87
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	3	0.87
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	3	0.87
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	16	0.87
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	18	0.87
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	18	0.87
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	18	0.87
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	19	0.87
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	19	0.87
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	19	0.87
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	13	0.87
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	4	0.87
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	4	0.87
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	4	0.87
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	4	0.87
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	16	0.87
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	16	0.87
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	16	0.87
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	8	0.87
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	2	0.87
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	2	0.87
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	2	0.87
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	6	0.87
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	6	0.87
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	7	0.87
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	7	0.87
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	16	0.87
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	13	0.87
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	12	0.87
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	12	0.87
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	12	0.87
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	12	0.87
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	12	0.87
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	12	0.87
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	12	0.87
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	12	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	12	0.87
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	19	0.87
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	19	0.87
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	19	0.87
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	1	0.87
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	1	0.87
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	1	0.87
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	1	0.87
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	1	0.87
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	1	0.87
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	11	0.87
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	11	0.87
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	11	0.87
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	11	0.87
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	13	0.87
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	13	0.87
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	13	0.87
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	6	0.87
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	6	0.87
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	6	0.87
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	8	0.87
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	8	0.87
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	8	0.87
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	19	0.87
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	19	0.87
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	19	0.87
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	1	0.87
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	1	0.87
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	1	0.87
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	16	0.87
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	16	0.87
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	16	0.87
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	8	0.87
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	8	0.87
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	8	0.87
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	13	0.87
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	13	0.87
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	17	0.87
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	17	0.87
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	18	0.87
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	18	0.87
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	18	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	18	0.87
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	18	0.87
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	18	0.87
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	19	0.87
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	19	0.87
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	19	0.87
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	19	0.87
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	19	0.87
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	19	0.87
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	9	0.87
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	9	0.87
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	9	0.87
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	9	0.87
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	9	0.87
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	9	0.87
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	17	0.86
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	17	0.86
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	17	0.86
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	14	0.86
(1,2244)	1:444:A:LEU:HD11	1:479:A:GLN:HE22	5	0.86
(1,2244)	1:444:A:LEU:HD12	1:479:A:GLN:HE22	5	0.86
(1,2244)	1:444:A:LEU:HD13	1:479:A:GLN:HE22	5	0.86
(1,2244)	1:444:A:LEU:HD21	1:479:A:GLN:HE22	5	0.86
(1,2244)	1:444:A:LEU:HD22	1:479:A:GLN:HE22	5	0.86
(1,2244)	1:444:A:LEU:HD23	1:479:A:GLN:HE22	5	0.86
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	2	0.86
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	1	0.86
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	1	0.86
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	1	0.86
(1,2141)	1:445:A:SER:H	1:445:A:SER:HB2	9	0.86
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	14	0.86
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	13	0.86
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	16	0.86
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	16	0.86
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	17	0.86
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	5	0.86
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	5	0.86
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	5	0.86
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	16	0.86
(1,1692)	1:432:A:ILE:HG12	1:454:A:ASP:HB2	9	0.86
(1,1692)	1:432:A:ILE:HG13	1:454:A:ASP:HB2	9	0.86
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	11	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	14	0.86
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD11	12	0.86
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD12	12	0.86
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD13	12	0.86
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD11	12	0.86
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD12	12	0.86
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD13	12	0.86
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	14	0.86
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	14	0.86
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	14	0.86
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	2	0.86
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	2	0.86
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	2	0.86
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	12	0.86
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	12	0.86
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	12	0.86
(1,1343)	1:426:A:MET:HG2	1:431:A:VAL:H	7	0.86
(1,1343)	1:426:A:MET:HG3	1:431:A:VAL:H	7	0.86
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	16	0.86
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	16	0.86
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	8	0.86
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	12	0.86
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	12	0.86
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	14	0.86
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	14	0.86
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	15	0.86
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	15	0.86
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	18	0.86
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	18	0.86
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	9	0.86
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	9	0.86
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	10	0.86
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	10	0.86
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB2	14	0.86
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB3	14	0.86
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	17	0.86
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	11	0.86
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	14	0.86
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	14	0.86
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	14	0.86
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	19	0.86
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	19	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	19	0.86
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	5	0.86
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	5	0.86
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	5	0.86
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	10	0.86
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	10	0.86
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	18	0.86
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	4	0.86
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	4	0.86
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	4	0.86
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	10	0.86
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	10	0.86
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	10	0.86
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	19	0.86
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	19	0.86
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	19	0.86
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	2	0.86
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	14	0.86
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	14	0.86
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	14	0.86
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	14	0.86
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	14	0.86
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	14	0.86
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	15	0.86
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	15	0.86
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	15	0.86
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	5	0.86
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	5	0.86
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	5	0.86
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	5	0.86
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	5	0.86
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	5	0.86
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	13	0.86
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	13	0.86
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	13	0.86
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	13	0.86
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	13	0.86
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	13	0.86
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	15	0.86
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	15	0.86
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	15	0.86
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	15	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	15	0.86
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	15	0.86
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	13	0.86
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	13	0.86
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	17	0.86
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	17	0.86
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	18	0.86
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	18	0.86
(1,388)	1:417:A:GLY:HA2	1:436:A:VAL:HB	4	0.86
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	11	0.86
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	11	0.86
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	11	0.86
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	11	0.86
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	3	0.86
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	19	0.86
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	1	0.86
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	1	0.86
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	1	0.86
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	3	0.86
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	3	0.86
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	3	0.86
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	4	0.86
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	4	0.86
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	4	0.86
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	9	0.86
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	9	0.86
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	9	0.86
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	15	0.86
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	15	0.86
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	15	0.86
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	20	0.86
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	20	0.86
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	20	0.86
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	2	0.86
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	2	0.86
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	2	0.86
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	8	0.86
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	8	0.86
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	8	0.86
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	13	0.86
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	13	0.86
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	13	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	15	0.86
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	15	0.86
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	15	0.86
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	12	0.86
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	12	0.86
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	12	0.86
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	18	0.86
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	18	0.86
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	18	0.86
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	18	0.86
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	18	0.86
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	18	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	5	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	5	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	5	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	5	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	5	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	5	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	7	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	7	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	7	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	7	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	7	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	7	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	19	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	19	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	19	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	19	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	19	0.86
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	19	0.86
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG11	9	0.86
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG12	9	0.86
(1,115)	1:422:A:LEU:HD11	1:431:A:VAL:HG13	9	0.86
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG11	9	0.86
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG12	9	0.86
(1,115)	1:422:A:LEU:HD12	1:431:A:VAL:HG13	9	0.86
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG11	9	0.86
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG12	9	0.86
(1,115)	1:422:A:LEU:HD13	1:431:A:VAL:HG13	9	0.86
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG11	9	0.86
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG12	9	0.86
(1,115)	1:422:A:LEU:HD21	1:431:A:VAL:HG13	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG11	9	0.86
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG12	9	0.86
(1,115)	1:422:A:LEU:HD22	1:431:A:VAL:HG13	9	0.86
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG11	9	0.86
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG12	9	0.86
(1,115)	1:422:A:LEU:HD23	1:431:A:VAL:HG13	9	0.86
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE1	20	0.85
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE2	20	0.85
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE1	20	0.85
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE2	20	0.85
(1,2321)	1:412:A:LEU:HD11	1:449:A:GLY:H	4	0.85
(1,2321)	1:412:A:LEU:HD12	1:449:A:GLY:H	4	0.85
(1,2321)	1:412:A:LEU:HD13	1:449:A:GLY:H	4	0.85
(1,2321)	1:412:A:LEU:HD21	1:449:A:GLY:H	4	0.85
(1,2321)	1:412:A:LEU:HD22	1:449:A:GLY:H	4	0.85
(1,2321)	1:412:A:LEU:HD23	1:449:A:GLY:H	4	0.85
(1,2321)	1:412:A:LEU:HD11	1:449:A:GLY:H	10	0.85
(1,2321)	1:412:A:LEU:HD12	1:449:A:GLY:H	10	0.85
(1,2321)	1:412:A:LEU:HD13	1:449:A:GLY:H	10	0.85
(1,2321)	1:412:A:LEU:HD21	1:449:A:GLY:H	10	0.85
(1,2321)	1:412:A:LEU:HD22	1:449:A:GLY:H	10	0.85
(1,2321)	1:412:A:LEU:HD23	1:449:A:GLY:H	10	0.85
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	5	0.85
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	20	0.85
(1,2273)	1:459:A:ALA:H	1:460:A:GLN:HE22	1	0.85
(1,2244)	1:444:A:LEU:HD11	1:479:A:GLN:HE22	2	0.85
(1,2244)	1:444:A:LEU:HD12	1:479:A:GLN:HE22	2	0.85
(1,2244)	1:444:A:LEU:HD13	1:479:A:GLN:HE22	2	0.85
(1,2244)	1:444:A:LEU:HD21	1:479:A:GLN:HE22	2	0.85
(1,2244)	1:444:A:LEU:HD22	1:479:A:GLN:HE22	2	0.85
(1,2244)	1:444:A:LEU:HD23	1:479:A:GLN:HE22	2	0.85
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	18	0.85
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	8	0.85
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	14	0.85
(1,1805)	1:490:A:TYR:H	1:490:A:TYR:HB2	20	0.85
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	3	0.85
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	5	0.85
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	11	0.85
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	16	0.85
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	1	0.85
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	16	0.85
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	16	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	16	0.85
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	16	0.85
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	16	0.85
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	16	0.85
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	16	0.85
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	16	0.85
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	16	0.85
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	16	0.85
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	16	0.85
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	16	0.85
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	10	0.85
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	2	0.85
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	2	0.85
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	2	0.85
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	1	0.85
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	1	0.85
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	1	0.85
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	1	0.85
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	1	0.85
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	14	0.85
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	14	0.85
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	14	0.85
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	19	0.85
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	19	0.85
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	19	0.85
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	14	0.85
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	14	0.85
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	14	0.85
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB2	5	0.85
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB3	5	0.85
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	3	0.85
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	1	0.85
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	1	0.85
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	10	0.85
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	17	0.85
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	17	0.85
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	3	0.85
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	3	0.85
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	8	0.85
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	8	0.85
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	2	0.85
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	19	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	5	0.85
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	5	0.85
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	17	0.85
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	17	0.85
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	17	0.85
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	19	0.85
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	7	0.85
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	7	0.85
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	7	0.85
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	7	0.85
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	7	0.85
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	7	0.85
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	10	0.85
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	10	0.85
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	10	0.85
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	10	0.85
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	10	0.85
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	10	0.85
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	20	0.85
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	6	0.85
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	6	0.85
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	15	0.85
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	4	0.85
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	4	0.85
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	4	0.85
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	4	0.85
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	4	0.85
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	4	0.85
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	20	0.85
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	20	0.85
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	20	0.85
(1,192)	1:436:A:VAL:HG21	1:449:A:GLY:HA2	2	0.85
(1,192)	1:436:A:VAL:HG22	1:449:A:GLY:HA2	2	0.85
(1,192)	1:436:A:VAL:HG23	1:449:A:GLY:HA2	2	0.85
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	9	0.85
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	9	0.85
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	9	0.85
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	7	0.85
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	7	0.85
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	6	0.85
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	6	0.85
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	6	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	6	0.85
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	6	0.85
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	6	0.85
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	4	0.85
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	4	0.85
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	4	0.85
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	4	0.85
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	4	0.85
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	4	0.85
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	15	0.85
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	15	0.85
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	15	0.85
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	15	0.85
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	15	0.85
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	15	0.85
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	7	0.85
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	7	0.85
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	7	0.85
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	17	0.85
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD1	13	0.84
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD2	13	0.84
(1,2319)	1:448:A:PHE:HB2	1:449:A:GLY:H	13	0.84
(1,2319)	1:448:A:PHE:HB3	1:449:A:GLY:H	13	0.84
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	20	0.84
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	6	0.84
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	7	0.84
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	19	0.84
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	1	0.84
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	19	0.84
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	11	0.84
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	20	0.84
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	20	0.84
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	20	0.84
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	13	0.84
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	7	0.84
(1,1901)	1:418:A:ASP:H	1:418:A:ASP:HB3	14	0.84
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	3	0.84
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	10	0.84
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	10	0.84
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	1	0.84
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	12	0.84
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	7	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	19	0.84
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	12	0.84
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	6	0.84
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	6	0.84
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	6	0.84
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	6	0.84
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	6	0.84
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	6	0.84
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	7	0.84
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	7	0.84
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	7	0.84
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	7	0.84
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	7	0.84
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	7	0.84
(1,1483)	1:481:A:LYS:H	1:481:A:LYS:HD2	6	0.84
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	7	0.84
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	7	0.84
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	7	0.84
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	6	0.84
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	6	0.84
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	15	0.84
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	2	0.84
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	2	0.84
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	17	0.84
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	17	0.84
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG2	6	0.84
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG3	6	0.84
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	14	0.84
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	14	0.84
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	14	0.84
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	14	0.84
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	6	0.84
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	6	0.84
(1,1013)	1:459:A:ALA:HB1	1:460:A:GLN:HA	14	0.84
(1,1013)	1:459:A:ALA:HB2	1:460:A:GLN:HA	14	0.84
(1,1013)	1:459:A:ALA:HB3	1:460:A:GLN:HA	14	0.84
(1,879)	1:431:A:VAL:HG21	1:451:A:VAL:HA	8	0.84
(1,879)	1:431:A:VAL:HG22	1:451:A:VAL:HA	8	0.84
(1,879)	1:431:A:VAL:HG23	1:451:A:VAL:HA	8	0.84
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	13	0.84
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	13	0.84
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	13	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	2	0.84
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	2	0.84
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	2	0.84
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	2	0.84
(1,589)	1:486:A:ASP:H	1:486:A:ASP:HB3	17	0.84
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	11	0.84
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	11	0.84
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	11	0.84
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	11	0.84
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	16	0.84
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	16	0.84
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	16	0.84
(1,419)	1:480:A:LEU:HB2	1:481:A:LYS:H	20	0.84
(1,419)	1:480:A:LEU:HB3	1:481:A:LYS:H	20	0.84
(1,397)	1:462:A:ALA:HB1	1:463:A:ILE:HA	18	0.84
(1,397)	1:462:A:ALA:HB2	1:463:A:ILE:HA	18	0.84
(1,397)	1:462:A:ALA:HB3	1:463:A:ILE:HA	18	0.84
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	17	0.84
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	17	0.84
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	17	0.84
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	17	0.84
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	17	0.84
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	17	0.84
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	17	0.84
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	17	0.84
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	17	0.84
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	4	0.84
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	4	0.84
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	4	0.84
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	14	0.84
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	14	0.84
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	14	0.84
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	12	0.84
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	12	0.84
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	12	0.84
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	12	0.84
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	12	0.84
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	12	0.84
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	20	0.84
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	20	0.84
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	20	0.84
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	20	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	20	0.84
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	20	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	6	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	6	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	6	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	6	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	6	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	6	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	10	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	10	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	10	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	10	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	10	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	10	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	11	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	11	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	11	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	11	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	11	0.84
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	11	0.84
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	15	0.84
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE1	17	0.83
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE2	17	0.83
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE1	17	0.83
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE2	17	0.83
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	1	0.83
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	1	0.83
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	17	0.83
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	17	0.83
(1,2319)	1:448:A:PHE:HB2	1:449:A:GLY:H	11	0.83
(1,2319)	1:448:A:PHE:HB3	1:449:A:GLY:H	11	0.83
(1,2273)	1:459:A:ALA:H	1:460:A:GLN:HE22	4	0.83
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB2	6	0.83
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB3	6	0.83
(1,2229)	1:454:A:ASP:H	1:454:A:ASP:HB2	10	0.83
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	5	0.83
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	10	0.83
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	10	0.83
(1,1925)	1:452:A:SER:HB2	1:453:A:TYR:H	2	0.83
(1,1901)	1:418:A:ASP:H	1:418:A:ASP:HB3	2	0.83
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	11	0.83
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	4	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	4	0.83
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	7	0.83
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	7	0.83
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	6	0.83
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	5	0.83
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	18	0.83
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	18	0.83
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	18	0.83
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	18	0.83
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	18	0.83
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	18	0.83
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	18	0.83
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	18	0.83
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	18	0.83
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	18	0.83
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	18	0.83
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	18	0.83
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	3	0.83
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	3	0.83
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	14	0.83
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	20	0.83
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	8	0.83
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	8	0.83
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	2	0.83
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	2	0.83
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	18	0.83
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	5	0.83
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	13	0.83
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	2	0.83
(1,1307)	1:473:A:MET:HG3	1:474:A:LYS:HG3	18	0.83
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD2	17	0.83
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD3	17	0.83
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	15	0.83
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	3	0.83
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	3	0.83
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	4	0.83
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	4	0.83
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	19	0.83
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	19	0.83
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG2	18	0.83
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG3	18	0.83
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	19	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	19	0.83
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	19	0.83
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	3	0.83
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	4	0.83
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	1	0.83
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	1	0.83
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	6	0.83
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	6	0.83
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	18	0.83
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	18	0.83
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	20	0.83
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	13	0.83
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD11	4	0.83
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD12	4	0.83
(1,911)	1:421:A:ILE:HB	1:421:A:ILE:HD13	4	0.83
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	12	0.83
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	12	0.83
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	12	0.83
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	6	0.83
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	6	0.83
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	6	0.83
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	20	0.83
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	20	0.83
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	20	0.83
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	20	0.83
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	20	0.83
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	20	0.83
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	8	0.83
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	8	0.83
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	8	0.83
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	11	0.83
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	11	0.83
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	11	0.83
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	11	0.83
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	11	0.83
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	11	0.83
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	15	0.83
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	15	0.83
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	15	0.83
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	15	0.83
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	15	0.83
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	15	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	2	0.83
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	2	0.83
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	5	0.83
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	5	0.83
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	12	0.83
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	12	0.83
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	1	0.83
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	1	0.83
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	1	0.83
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	14	0.83
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	14	0.83
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	14	0.83
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	19	0.83
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	19	0.83
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	19	0.83
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	13	0.83
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	11	0.83
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	11	0.83
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	10	0.83
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	14	0.83
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	18	0.83
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	6	0.83
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	6	0.83
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	2	0.83
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	7	0.83
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	7	0.83
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	7	0.83
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	7	0.83
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	7	0.83
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	7	0.83
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	7	0.83
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	7	0.83
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	7	0.83
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	7	0.83
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	7	0.83
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	7	0.83
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	7	0.83
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	7	0.83
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	7	0.83
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	7	0.83
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	7	0.83
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	7	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	13	0.83
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	13	0.83
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	13	0.83
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	13	0.83
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	13	0.83
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	13	0.83
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	13	0.83
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	13	0.83
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	13	0.83
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	13	0.83
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	13	0.83
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	13	0.83
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	13	0.83
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	13	0.83
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	13	0.83
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	13	0.83
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	13	0.83
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	13	0.83
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	7	0.83
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	7	0.83
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	7	0.83
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	7	0.83
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	7	0.83
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	7	0.83
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	7	0.83
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	7	0.83
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	7	0.83
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	8	0.83
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	8	0.83
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	8	0.83
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	8	0.83
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	8	0.83
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	8	0.83
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	12	0.83
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	12	0.83
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	12	0.83
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	11	0.83
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	11	0.83
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	11	0.83
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	6	0.83
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	6	0.83
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	6	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	18	0.83
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	18	0.83
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	18	0.83
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	13	0.83
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	13	0.83
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	13	0.83
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	13	0.83
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	13	0.83
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	13	0.83
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	16	0.83
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	16	0.83
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	16	0.83
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	16	0.83
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	16	0.83
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	16	0.83
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	16	0.83
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	16	0.83
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	16	0.83
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	20	0.83
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	20	0.83
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	20	0.83
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	3	0.83
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	3	0.83
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	3	0.83
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	3	0.83
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	3	0.83
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	3	0.83
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	3	0.83
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	3	0.83
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	3	0.83
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	3	0.83
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	3	0.83
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	3	0.83
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	17	0.83
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	17	0.83
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	4	0.83
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	4	0.83
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	4	0.83
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	4	0.83
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	4	0.83
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	4	0.83
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	11	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	7	0.82
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	18	0.82
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	16	0.82
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	10	0.82
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	2	0.82
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	12	0.82
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	12	0.82
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	3	0.82
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	3	0.82
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	1	0.82
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	1	0.82
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	16	0.82
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	16	0.82
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	16	0.82
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	16	0.82
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	16	0.82
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	16	0.82
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	2	0.82
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	14	0.82
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	15	0.82
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	1	0.82
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	1	0.82
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	2	0.82
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	13	0.82
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	9	0.82
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	9	0.82
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	4	0.82
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	5	0.82
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	13	0.82
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	20	0.82
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	20	0.82
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	20	0.82
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	20	0.82
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	20	0.82
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	20	0.82
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	16	0.82
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	16	0.82
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	10	0.82
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	10	0.82
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	10	0.82
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	10	0.82
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	9	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	9	0.82
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	1	0.82
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	1	0.82
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	1	0.82
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	5	0.82
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	5	0.82
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	5	0.82
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	5	0.82
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	5	0.82
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	5	0.82
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	19	0.82
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	19	0.82
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	19	0.82
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	19	0.82
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	19	0.82
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	19	0.82
(1,1343)	1:426:A:MET:HG2	1:431:A:VAL:H	14	0.82
(1,1343)	1:426:A:MET:HG3	1:431:A:VAL:H	14	0.82
(1,1326)	1:411:A:HIS:H	1:448:A:PHE:HA	14	0.82
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	3	0.82
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	3	0.82
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	5	0.82
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	5	0.82
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	11	0.82
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	11	0.82
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	14	0.82
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	14	0.82
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	16	0.82
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	16	0.82
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	4	0.82
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	14	0.82
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	17	0.82
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	17	0.82
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	17	0.82
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	3	0.82
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	3	0.82
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	15	0.82
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	15	0.82
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	15	0.82
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	3	0.82
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	3	0.82
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	3	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	3	0.82
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	3	0.82
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	3	0.82
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	18	0.82
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	18	0.82
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB2	18	0.82
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB3	18	0.82
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	3	0.82
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	10	0.82
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	8	0.82
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	14	0.82
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	14	0.82
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	14	0.82
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	18	0.82
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	18	0.82
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	18	0.82
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	6	0.82
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	6	0.82
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	6	0.82
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	6	0.82
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	6	0.82
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	6	0.82
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	6	0.82
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	6	0.82
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	6	0.82
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	9	0.82
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	9	0.82
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	9	0.82
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	9	0.82
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	9	0.82
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	9	0.82
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	9	0.82
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	9	0.82
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	9	0.82
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG11	17	0.82
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG12	17	0.82
(1,335)	1:425:A:PHE:HB3	1:451:A:VAL:HG13	17	0.82
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	8	0.82
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	8	0.82
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	8	0.82
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	8	0.82
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	8	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	8	0.82
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	6	0.82
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	6	0.82
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	6	0.82
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	3	0.82
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	3	0.82
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	3	0.82
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	1	0.82
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	1	0.82
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	12	0.82
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	12	0.82
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	7	0.82
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	7	0.82
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	7	0.82
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	7	0.82
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	7	0.82
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	7	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	1	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	1	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	1	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	1	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	1	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	1	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	8	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	8	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	8	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	8	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	8	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	8	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	14	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	14	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	14	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	14	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	14	0.82
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	14	0.82
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	12	0.82
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	12	0.82
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	12	0.82
(1,12)	1:407:A:LEU:HG	1:453:A:TYR:HD1	4	0.82
(1,12)	1:407:A:LEU:HG	1:453:A:TYR:HD2	4	0.82
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	1	0.82
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	11	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	11	0.81
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	11	0.81
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	15	0.81
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	15	0.81
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	15	0.81
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	8	0.81
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	6	0.81
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	6	0.81
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	12	0.81
(1,2114)	1:405:A:ALA:HA	1:460:A:GLN:H	8	0.81
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	14	0.81
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	18	0.81
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	6	0.81
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	6	0.81
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	6	0.81
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	18	0.81
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	18	0.81
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	4	0.81
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	9	0.81
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	20	0.81
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	11	0.81
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	11	0.81
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	10	0.81
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	10	0.81
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	16	0.81
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	6	0.81
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	7	0.81
(1,1729)	1:431:A:VAL:HG21	1:432:A:ILE:H	20	0.81
(1,1729)	1:431:A:VAL:HG22	1:432:A:ILE:H	20	0.81
(1,1729)	1:431:A:VAL:HG23	1:432:A:ILE:H	20	0.81
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	4	0.81
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	4	0.81
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	4	0.81
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	4	0.81
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	4	0.81
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	4	0.81
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	4	0.81
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	4	0.81
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	4	0.81
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	4	0.81
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	4	0.81
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	4	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	20	0.81
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	20	0.81
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	17	0.81
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	17	0.81
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	17	0.81
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	19	0.81
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	1	0.81
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	5	0.81
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	20	0.81
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	20	0.81
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	13	0.81
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	13	0.81
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	14	0.81
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	14	0.81
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	6	0.81
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	6	0.81
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	6	0.81
(1,1497)	1:406:A:ASN:HA	1:452:A:SER:HB3	13	0.81
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	4	0.81
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	14	0.81
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	14	0.81
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	14	0.81
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	14	0.81
(1,1440)	1:434:A:ALA:HB1	1:435:A:LYS:HA	9	0.81
(1,1440)	1:434:A:ALA:HB2	1:435:A:LYS:HA	9	0.81
(1,1440)	1:434:A:ALA:HB3	1:435:A:LYS:HA	9	0.81
(1,1413)	1:400:A:GLU:HB2	1:406:A:ASN:HD22	14	0.81
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	6	0.81
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	5	0.81
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	11	0.81
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	13	0.81
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	10	0.81
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	10	0.81
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	13	0.81
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	13	0.81
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	16	0.81
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	16	0.81
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	20	0.81
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	20	0.81
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	20	0.81
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	10	0.81
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	18	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	18	0.81
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	18	0.81
(1,704)	1:453:A:TYR:HD1	1:458:A:SER:HB2	5	0.81
(1,704)	1:453:A:TYR:HD2	1:458:A:SER:HB2	5	0.81
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	7	0.81
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	7	0.81
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	7	0.81
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	16	0.81
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	16	0.81
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	16	0.81
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	20	0.81
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	20	0.81
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	6	0.81
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	6	0.81
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	6	0.81
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	19	0.81
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	19	0.81
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	19	0.81
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	2	0.81
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	2	0.81
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	2	0.81
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	9	0.81
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	9	0.81
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	9	0.81
(1,441)	1:433:A:SER:HB3	1:452:A:SER:HB3	20	0.81
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	11	0.81
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	17	0.81
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	17	0.81
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	17	0.81
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	11	0.81
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	11	0.81
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	11	0.81
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	11	0.81
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	11	0.81
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	11	0.81
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	6	0.81
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	4	0.81
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	4	0.81
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	4	0.81
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	4	0.81
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	4	0.81
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	4	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	10	0.81
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	10	0.81
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	10	0.81
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	15	0.81
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	15	0.81
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	15	0.81
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	16	0.81
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	16	0.81
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	16	0.81
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	13	0.81
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	13	0.81
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	13	0.81
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	4	0.81
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	4	0.81
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	4	0.81
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	10	0.81
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	10	0.81
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	10	0.81
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	14	0.81
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	14	0.81
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	14	0.81
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	19	0.81
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	19	0.81
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	19	0.81
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	4	0.81
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	4	0.81
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	4	0.81
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	4	0.81
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	4	0.81
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	4	0.81
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	7	0.81
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	7	0.81
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	7	0.81
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	7	0.81
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	7	0.81
(1,157)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	7	0.81
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	12	0.81
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	12	0.81
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	12	0.81
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	12	0.81
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	12	0.81
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	12	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	13	0.81
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	13	0.81
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	13	0.81
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	13	0.81
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	13	0.81
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	13	0.81
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD11	20	0.81
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD12	20	0.81
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD13	20	0.81
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD21	20	0.81
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD22	20	0.81
(1,130)	1:422:A:LEU:H	1:422:A:LEU:HD23	20	0.81
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	2	0.81
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD1	4	0.8
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD2	4	0.8
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD1	14	0.8
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD2	14	0.8
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	5	0.8
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	5	0.8
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	11	0.8
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	11	0.8
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	11	0.8
(1,2324)	1:439:A:ASP:HB3	1:442:A:THR:H	9	0.8
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	20	0.8
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	1	0.8
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	20	0.8
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	20	0.8
(1,2280)	1:463:A:ILE:HG21	1:464:A:GLN:HE22	18	0.8
(1,2280)	1:463:A:ILE:HG22	1:464:A:GLN:HE22	18	0.8
(1,2280)	1:463:A:ILE:HG23	1:464:A:GLN:HE22	18	0.8
(1,2244)	1:444:A:LEU:HD11	1:479:A:GLN:HE22	13	0.8
(1,2244)	1:444:A:LEU:HD12	1:479:A:GLN:HE22	13	0.8
(1,2244)	1:444:A:LEU:HD13	1:479:A:GLN:HE22	13	0.8
(1,2244)	1:444:A:LEU:HD21	1:479:A:GLN:HE22	13	0.8
(1,2244)	1:444:A:LEU:HD22	1:479:A:GLN:HE22	13	0.8
(1,2244)	1:444:A:LEU:HD23	1:479:A:GLN:HE22	13	0.8
(1,2244)	1:444:A:LEU:HD11	1:479:A:GLN:HE22	16	0.8
(1,2244)	1:444:A:LEU:HD12	1:479:A:GLN:HE22	16	0.8
(1,2244)	1:444:A:LEU:HD13	1:479:A:GLN:HE22	16	0.8
(1,2244)	1:444:A:LEU:HD21	1:479:A:GLN:HE22	16	0.8
(1,2244)	1:444:A:LEU:HD22	1:479:A:GLN:HE22	16	0.8
(1,2244)	1:444:A:LEU:HD23	1:479:A:GLN:HE22	16	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	7	0.8
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	11	0.8
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	3	0.8
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	9	0.8
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	20	0.8
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	2	0.8
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	1	0.8
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	4	0.8
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	1	0.8
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	1	0.8
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	10	0.8
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	10	0.8
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	13	0.8
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	13	0.8
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	17	0.8
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	17	0.8
(1,1872)	1:487:A:SER:HB2	1:488:A:LYS:H	15	0.8
(1,1872)	1:487:A:SER:HB3	1:488:A:LYS:H	15	0.8
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	20	0.8
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	17	0.8
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	4	0.8
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	4	0.8
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	20	0.8
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	13	0.8
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	9	0.8
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	9	0.8
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	9	0.8
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	9	0.8
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	9	0.8
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	9	0.8
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	9	0.8
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	9	0.8
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	9	0.8
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	9	0.8
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	9	0.8
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	9	0.8
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	18	0.8
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	2	0.8
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	3	0.8
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	3	0.8
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	12	0.8
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD11	9	0.8
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD12	9	0.8
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD13	9	0.8
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD11	9	0.8
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD12	9	0.8
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD13	9	0.8
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	1	0.8
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	1	0.8
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	5	0.8
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	5	0.8
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	15	0.8
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	15	0.8
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	20	0.8
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	20	0.8
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	2	0.8
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	2	0.8
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	2	0.8
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	2	0.8
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	2	0.8
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	2	0.8
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	6	0.8
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	6	0.8
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	6	0.8
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	16	0.8
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	10	0.8
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD11	17	0.8
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD12	17	0.8
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD13	17	0.8
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD21	17	0.8
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD22	17	0.8
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD23	17	0.8
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD11	17	0.8
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD12	17	0.8
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD13	17	0.8
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD21	17	0.8
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD22	17	0.8
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD23	17	0.8
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	2	0.8
(1,1112)	1:423:A:GLN:H	1:423:A:GLN:HG3	13	0.8
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	7	0.8
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	7	0.8
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	7	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	11	0.8
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	11	0.8
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	11	0.8
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	16	0.8
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	3	0.8
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	3	0.8
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	3	0.8
(1,786)	1:485:A:ASN:HB2	1:486:A:ASP:H	16	0.8
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	4	0.8
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	4	0.8
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	4	0.8
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	13	0.8
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	13	0.8
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	13	0.8
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	14	0.8
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	14	0.8
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	14	0.8
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	14	0.8
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	14	0.8
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	14	0.8
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	10	0.8
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	10	0.8
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	9	0.8
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	4	0.8
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	4	0.8
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	10	0.8
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	10	0.8
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	10	0.8
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	10	0.8
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	8	0.8
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	8	0.8
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	8	0.8
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	12	0.8
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	12	0.8
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	12	0.8
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	20	0.8
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	20	0.8
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	20	0.8
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	13	0.8
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	13	0.8
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	13	0.8
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	13	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	20	0.8
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	20	0.8
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	20	0.8
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	15	0.8
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	6	0.8
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	6	0.8
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	6	0.8
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	9	0.8
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	9	0.8
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	9	0.8
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	13	0.8
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	13	0.8
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	13	0.8
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	1	0.8
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	1	0.8
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	1	0.8
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	1	0.8
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	1	0.8
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	1	0.8
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	1	0.8
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	1	0.8
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	1	0.8
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	1	0.8
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	1	0.8
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	1	0.8
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	1	0.8
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	1	0.8
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	1	0.8
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	1	0.8
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	1	0.8
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	1	0.8
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	6	0.8
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	6	0.8
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	6	0.8
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	6	0.8
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	6	0.8
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	6	0.8
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	18	0.8
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	18	0.8
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	18	0.8
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	4	0.8
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	4	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	4	0.8
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	12	0.8
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	12	0.8
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	12	0.8
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	17	0.8
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	17	0.8
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	17	0.8
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	7	0.8
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	7	0.8
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	7	0.8
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	18	0.8
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	18	0.8
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	18	0.8
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	18	0.8
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	18	0.8
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	18	0.8
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	11	0.8
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	11	0.8
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	14	0.8
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	14	0.8
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	14	0.8
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	14	0.8
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	14	0.8
(1,49)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	14	0.8
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	4	0.8
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	19	0.79
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	19	0.79
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	19	0.79
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	19	0.79
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	19	0.79
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	19	0.79
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	19	0.79
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	19	0.79
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	19	0.79
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	19	0.79
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	19	0.79
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	19	0.79
(1,2319)	1:448:A:PHE:HB2	1:449:A:GLY:H	3	0.79
(1,2319)	1:448:A:PHE:HB3	1:449:A:GLY:H	3	0.79
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	11	0.79
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	2	0.79
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	17	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	13	0.79
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	5	0.79
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	5	0.79
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	11	0.79
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	11	0.79
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	14	0.79
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	14	0.79
(1,1956)	1:407:A:LEU:HD11	1:459:A:ALA:H	11	0.79
(1,1956)	1:407:A:LEU:HD12	1:459:A:ALA:H	11	0.79
(1,1956)	1:407:A:LEU:HD13	1:459:A:ALA:H	11	0.79
(1,1956)	1:407:A:LEU:HD21	1:459:A:ALA:H	11	0.79
(1,1956)	1:407:A:LEU:HD22	1:459:A:ALA:H	11	0.79
(1,1956)	1:407:A:LEU:HD23	1:459:A:ALA:H	11	0.79
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	4	0.79
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	12	0.79
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	12	0.79
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	12	0.79
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	5	0.79
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	17	0.79
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	17	0.79
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	17	0.79
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	18	0.79
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	8	0.79
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	11	0.79
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	12	0.79
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	17	0.79
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	17	0.79
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	17	0.79
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	15	0.79
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	15	0.79
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	15	0.79
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	15	0.79
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	15	0.79
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	15	0.79
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	13	0.79
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	13	0.79
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	5	0.79
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB2	8	0.79
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB3	8	0.79
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	17	0.79
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	17	0.79
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	17	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	17	0.79
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	17	0.79
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	17	0.79
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	15	0.79
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	2	0.79
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	2	0.79
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	6	0.79
(1,1157)	1:419:A:GLN:HG2	1:419:A:GLN:HE21	12	0.79
(1,1157)	1:419:A:GLN:HG3	1:419:A:GLN:HE21	12	0.79
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	9	0.79
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	12	0.79
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	15	0.79
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	6	0.79
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	8	0.79
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	8	0.79
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	12	0.79
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	12	0.79
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	19	0.79
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	19	0.79
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	12	0.79
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	12	0.79
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	12	0.79
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	11	0.79
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	11	0.79
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	11	0.79
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	11	0.79
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	11	0.79
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	11	0.79
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	11	0.79
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	11	0.79
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	11	0.79
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	13	0.79
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	13	0.79
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	13	0.79
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	13	0.79
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	13	0.79
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	13	0.79
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	13	0.79
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	13	0.79
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	13	0.79
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	1	0.79
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	1	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	3	0.79
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	3	0.79
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	3	0.79
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	9	0.79
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	9	0.79
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	9	0.79
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	2	0.79
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	2	0.79
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	2	0.79
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	11	0.79
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	11	0.79
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	11	0.79
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	13	0.79
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	13	0.79
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	13	0.79
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	5	0.79
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	5	0.79
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	5	0.79
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	20	0.79
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	13	0.79
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	13	0.79
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	13	0.79
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	13	0.79
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	13	0.79
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	13	0.79
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	2	0.79
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	2	0.79
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	2	0.79
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	2	0.79
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	2	0.79
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	2	0.79
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	12	0.79
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	12	0.79
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	12	0.79
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	12	0.79
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	12	0.79
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	12	0.79
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	8	0.79
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	8	0.79
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	8	0.79
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	8	0.79
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	17	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	17	0.79
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	17	0.79
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	3	0.79
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	7	0.79
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	7	0.79
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	7	0.79
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	7	0.79
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	12	0.79
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	12	0.79
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	12	0.79
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	12	0.79
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	15	0.79
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	15	0.79
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	15	0.79
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	15	0.79
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	17	0.79
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	17	0.79
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	17	0.79
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	18	0.79
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	18	0.79
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	18	0.79
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	1	0.79
(1,360)	1:409:A:ILE:HG21	1:476:A:LEU:HA	20	0.79
(1,360)	1:409:A:ILE:HG22	1:476:A:LEU:HA	20	0.79
(1,360)	1:409:A:ILE:HG23	1:476:A:LEU:HA	20	0.79
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	12	0.79
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	12	0.79
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	12	0.79
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	2	0.79
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	2	0.79
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	2	0.79
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	2	0.79
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	2	0.79
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	2	0.79
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	1	0.79
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	1	0.79
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	1	0.79
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	6	0.79
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	6	0.79
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	6	0.79
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	5	0.79
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	5	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	5	0.79
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	17	0.79
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	17	0.79
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	17	0.79
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	17	0.79
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	17	0.79
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	17	0.79
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	13	0.79
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	13	0.79
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	10	0.79
(1,2401)	1:398:A:GLN:HG2	1:408:A:PHE:HE1	10	0.78
(1,2401)	1:398:A:GLN:HG2	1:408:A:PHE:HE2	10	0.78
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	9	0.78
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	9	0.78
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	16	0.78
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	16	0.78
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD1	13	0.78
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD2	13	0.78
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	11	0.78
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	11	0.78
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	20	0.78
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	20	0.78
(1,2319)	1:448:A:PHE:HB2	1:449:A:GLY:H	16	0.78
(1,2319)	1:448:A:PHE:HB3	1:449:A:GLY:H	16	0.78
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	3	0.78
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	3	0.78
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	16	0.78
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	16	0.78
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	15	0.78
(1,2209)	1:430:A:ASN:HD21	1:454:A:ASP:HB2	17	0.78
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	3	0.78
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	3	0.78
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	8	0.78
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	8	0.78
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	11	0.78
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	11	0.78
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	12	0.78
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	12	0.78
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	12	0.78
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	15	0.78
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	6	0.78
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	6	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	8	0.78
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	8	0.78
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	4	0.78
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	4	0.78
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	11	0.78
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	15	0.78
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	18	0.78
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	6	0.78
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	6	0.78
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	20	0.78
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	3	0.78
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	6	0.78
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	6	0.78
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	4	0.78
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	4	0.78
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	1	0.78
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	1	0.78
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	2	0.78
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	7	0.78
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	7	0.78
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	8	0.78
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	18	0.78
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	3	0.78
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	3	0.78
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	2	0.78
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	2	0.78
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	2	0.78
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	2	0.78
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	2	0.78
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	2	0.78
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	2	0.78
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	2	0.78
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	2	0.78
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	4	0.78
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	4	0.78
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	4	0.78
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	8	0.78
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	3	0.78
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	20	0.78
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	12	0.78
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG11	7	0.78
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG12	7	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG13	7	0.78
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	5	0.78
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	5	0.78
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	5	0.78
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	10	0.78
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	10	0.78
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	10	0.78
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	14	0.78
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	14	0.78
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	14	0.78
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	1	0.78
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	1	0.78
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	1	0.78
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	1	0.78
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	1	0.78
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	1	0.78
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	1	0.78
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	1	0.78
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	1	0.78
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	4	0.78
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	4	0.78
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	4	0.78
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB2	12	0.78
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB3	12	0.78
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	11	0.78
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	4	0.78
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	4	0.78
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	4	0.78
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	3	0.78
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	3	0.78
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	3	0.78
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	17	0.78
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	17	0.78
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	5	0.78
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	2	0.78
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	2	0.78
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	2	0.78
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	5	0.78
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	5	0.78
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	5	0.78
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	7	0.78
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	7	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	7	0.78
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	2	0.78
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	2	0.78
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	2	0.78
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	9	0.78
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	9	0.78
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	9	0.78
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	9	0.78
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	9	0.78
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	9	0.78
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	15	0.78
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	15	0.78
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	15	0.78
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	15	0.78
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	15	0.78
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	15	0.78
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	17	0.78
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	17	0.78
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	17	0.78
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	17	0.78
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	17	0.78
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	17	0.78
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	17	0.78
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	17	0.78
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	17	0.78
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	17	0.78
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	17	0.78
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	17	0.78
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	18	0.78
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	18	0.78
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	14	0.78
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	10	0.78
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	19	0.77
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	1	0.77
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	2	0.77
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	13	0.77
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	13	0.77
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	17	0.77
(1,2269)	1:443:A:ASN:HA	1:443:A:ASN:HD22	14	0.77
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	1	0.77
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	18	0.77
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	6	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	17	0.77
(1,2141)	1:445:A:SER:H	1:445:A:SER:HB2	19	0.77
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	5	0.77
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	5	0.77
(1,2111)	1:418:A:ASP:HB3	1:419:A:GLN:H	6	0.77
(1,2111)	1:418:A:ASP:HB3	1:419:A:GLN:H	19	0.77
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	5	0.77
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	4	0.77
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	6	0.77
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	20	0.77
(1,2031)	1:482:A:ARG:HB3	1:483:A:SER:H	5	0.77
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	4	0.77
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	4	0.77
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	7	0.77
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	7	0.77
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	3	0.77
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	11	0.77
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	11	0.77
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	11	0.77
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	17	0.77
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	17	0.77
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	17	0.77
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	17	0.77
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	17	0.77
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	17	0.77
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	17	0.77
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	17	0.77
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	17	0.77
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	17	0.77
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	17	0.77
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	17	0.77
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	6	0.77
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	5	0.77
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	9	0.77
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	9	0.77
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	15	0.77
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	15	0.77
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	19	0.77
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	19	0.77
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD11	20	0.77
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD12	20	0.77
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD13	20	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD21	20	0.77
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD22	20	0.77
(1,1401)	1:466:A:MET:HG2	1:476:A:LEU:HD23	20	0.77
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD11	20	0.77
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD12	20	0.77
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD13	20	0.77
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD21	20	0.77
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD22	20	0.77
(1,1401)	1:466:A:MET:HG3	1:476:A:LEU:HD23	20	0.77
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	10	0.77
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	10	0.77
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	6	0.77
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	17	0.77
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	4	0.77
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	4	0.77
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	6	0.77
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	6	0.77
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	6	0.77
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	6	0.77
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	6	0.77
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	6	0.77
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	6	0.77
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	6	0.77
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	6	0.77
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	6	0.77
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	6	0.77
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	6	0.77
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	20	0.77
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	20	0.77
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	20	0.77
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	20	0.77
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	20	0.77
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	20	0.77
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	20	0.77
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	20	0.77
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	20	0.77
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	14	0.77
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	20	0.77
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	20	0.77
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	3	0.77
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	17	0.77
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	17	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	17	0.77
(1,713)	1:429:A:GLY:HA3	1:458:A:SER:HB2	15	0.77
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	9	0.77
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	9	0.77
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	9	0.77
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	3	0.77
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	3	0.77
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	3	0.77
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	2	0.77
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	2	0.77
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	2	0.77
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	2	0.77
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	2	0.77
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	2	0.77
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	7	0.77
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	7	0.77
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	7	0.77
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	10	0.77
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	10	0.77
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	10	0.77
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	20	0.77
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	20	0.77
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	20	0.77
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	5	0.77
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	5	0.77
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	5	0.77
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	5	0.77
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	5	0.77
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	5	0.77
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	7	0.77
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	15	0.77
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	19	0.77
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	19	0.77
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	19	0.77
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	1	0.77
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	1	0.77
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	1	0.77
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	17	0.77
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	17	0.77
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	17	0.77
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	11	0.77
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	11	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	5	0.77
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	13	0.77
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	13	0.77
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	13	0.77
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	13	0.77
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	15	0.77
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	15	0.77
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	15	0.77
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	7	0.77
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	11	0.77
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	15	0.77
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	15	0.77
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	15	0.77
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	15	0.77
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	15	0.77
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	15	0.77
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	15	0.77
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	15	0.77
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	15	0.77
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	15	0.77
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	15	0.77
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	15	0.77
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	15	0.77
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	15	0.77
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	15	0.77
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	15	0.77
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	15	0.77
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	15	0.77
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	2	0.77
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	2	0.77
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	2	0.77
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	19	0.77
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	19	0.77
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	19	0.77
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	19	0.77
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	19	0.77
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	19	0.77
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	14	0.77
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	14	0.77
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	14	0.77
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	4	0.77
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	4	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	4	0.77
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	7	0.77
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	7	0.77
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	7	0.77
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	7	0.77
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	7	0.77
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	7	0.77
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG21	18	0.77
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG22	18	0.77
(1,226)	1:450:A:PHE:HA	1:451:A:VAL:HG23	18	0.77
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	18	0.77
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	18	0.77
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	18	0.77
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	18	0.77
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	18	0.77
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	18	0.77
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	2	0.77
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	2	0.77
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	9	0.77
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	9	0.77
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	9	0.77
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	9	0.77
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	9	0.77
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	9	0.77
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	3	0.77
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	3	0.77
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	3	0.77
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	19	0.77
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	19	0.77
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	19	0.77
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	19	0.77
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	19	0.77
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	19	0.77
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	19	0.77
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	19	0.77
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	19	0.77
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	19	0.77
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	19	0.77
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	19	0.77
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	14	0.77
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	14	0.77
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	14	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	14	0.77
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	14	0.77
(1,88)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	14	0.77
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	14	0.77
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	14	0.77
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	14	0.77
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	14	0.77
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	14	0.77
(1,88)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	14	0.77
(1,82)	1:483:A:SER:HB2	1:484:A:LYS:HG2	11	0.77
(1,82)	1:483:A:SER:HB2	1:484:A:LYS:HG3	11	0.77
(1,82)	1:483:A:SER:HB3	1:484:A:LYS:HG2	11	0.77
(1,82)	1:483:A:SER:HB3	1:484:A:LYS:HG3	11	0.77
(1,51)	1:407:A:LEU:HD11	1:463:A:ILE:H	16	0.77
(1,51)	1:407:A:LEU:HD12	1:463:A:ILE:H	16	0.77
(1,51)	1:407:A:LEU:HD13	1:463:A:ILE:H	16	0.77
(1,51)	1:407:A:LEU:HD21	1:463:A:ILE:H	16	0.77
(1,51)	1:407:A:LEU:HD22	1:463:A:ILE:H	16	0.77
(1,51)	1:407:A:LEU:HD23	1:463:A:ILE:H	16	0.77
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	5	0.77
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	5	0.77
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	5	0.77
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	14	0.76
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	14	0.76
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	14	0.76
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	19	0.76
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	19	0.76
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB2	10	0.76
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB3	10	0.76
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	7	0.76
(1,2196)	1:430:A:ASN:HD22	1:454:A:ASP:HB2	13	0.76
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	13	0.76
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	9	0.76
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	9	0.76
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	12	0.76
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	12	0.76
(1,2110)	1:418:A:ASP:HB2	1:419:A:GLN:H	5	0.76
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	20	0.76
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	6	0.76
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	3	0.76
(1,1978)	1:474:A:LYS:HD2	1:475:A:ARG:H	6	0.76
(1,1978)	1:474:A:LYS:HD3	1:475:A:ARG:H	6	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	2	0.76
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	2	0.76
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	3	0.76
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	3	0.76
(1,1925)	1:452:A:SER:HB2	1:453:A:TYR:H	14	0.76
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	8	0.76
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	10	0.76
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	12	0.76
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	12	0.76
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	13	0.76
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	13	0.76
(1,1782)	1:481:A:LYS:H	1:481:A:LYS:HB3	13	0.76
(1,1753)	1:439:A:ASP:H	1:439:A:ASP:HB2	9	0.76
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	9	0.76
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	1	0.76
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	1	0.76
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	1	0.76
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	1	0.76
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	8	0.76
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	8	0.76
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	3	0.76
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	14	0.76
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	16	0.76
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	14	0.76
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	14	0.76
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	12	0.76
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	12	0.76
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	10	0.76
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	10	0.76
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	10	0.76
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	12	0.76
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	12	0.76
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	12	0.76
(1,1413)	1:400:A:GLU:HB2	1:406:A:ASN:HD22	9	0.76
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	12	0.76
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	12	0.76
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	18	0.76
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	18	0.76
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	3	0.76
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	3	0.76
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	14	0.76
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	11	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	4	0.76
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	4	0.76
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	4	0.76
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	9	0.76
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	9	0.76
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	9	0.76
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	9	0.76
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	9	0.76
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	1	0.76
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	1	0.76
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	1	0.76
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	1	0.76
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	1	0.76
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	1	0.76
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	1	0.76
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	1	0.76
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	1	0.76
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	4	0.76
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	4	0.76
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	1	0.76
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	1	0.76
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	1	0.76
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	8	0.76
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	8	0.76
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	8	0.76
(1,786)	1:485:A:ASN:HB2	1:486:A:ASP:H	13	0.76
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	7	0.76
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	7	0.76
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	7	0.76
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	6	0.76
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	6	0.76
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	6	0.76
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	12	0.76
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	12	0.76
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	12	0.76
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	13	0.76
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	13	0.76
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	13	0.76
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	14	0.76
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	14	0.76
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	14	0.76
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	14	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	14	0.76
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	14	0.76
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	8	0.76
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	8	0.76
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	8	0.76
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	16	0.76
(1,650)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	16	0.76
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	16	0.76
(1,650)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	16	0.76
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	16	0.76
(1,650)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	16	0.76
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	18	0.76
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	16	0.76
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	16	0.76
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	16	0.76
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	16	0.76
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	16	0.76
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	16	0.76
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	16	0.76
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	16	0.76
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	16	0.76
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	1	0.76
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	1	0.76
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	1	0.76
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	1	0.76
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	2	0.76
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	2	0.76
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	2	0.76
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	2	0.76
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	6	0.76
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	6	0.76
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	6	0.76
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	7	0.76
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	7	0.76
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	7	0.76
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	11	0.76
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	11	0.76
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	11	0.76
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	6	0.76
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	6	0.76
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	6	0.76
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	12	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	12	0.76
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	12	0.76
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	18	0.76
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	18	0.76
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	18	0.76
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	18	0.76
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	18	0.76
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	18	0.76
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	18	0.76
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	18	0.76
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	18	0.76
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	4	0.76
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	4	0.76
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	4	0.76
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	17	0.76
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	17	0.76
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	17	0.76
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	17	0.76
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	17	0.76
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	17	0.76
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	3	0.76
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	3	0.76
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	3	0.76
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	11	0.76
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	11	0.76
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	11	0.76
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	5	0.76
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	5	0.76
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	5	0.76
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	2	0.76
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	5	0.76
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	5	0.76
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	10	0.76
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	10	0.76
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	10	0.76
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	8	0.76
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	8	0.76
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	8	0.76
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	8	0.76
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	8	0.76
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	8	0.76
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	20	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	20	0.76
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	20	0.76
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	20	0.76
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	20	0.76
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	20	0.76
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	7	0.76
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	7	0.76
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	7	0.76
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	7	0.76
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	7	0.76
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	7	0.76
(1,62)	1:480:A:LEU:HA	1:480:A:LEU:HG	4	0.76
(1,62)	1:480:A:LEU:HA	1:480:A:LEU:HG	18	0.76
(1,51)	1:407:A:LEU:HD11	1:463:A:ILE:H	4	0.76
(1,51)	1:407:A:LEU:HD12	1:463:A:ILE:H	4	0.76
(1,51)	1:407:A:LEU:HD13	1:463:A:ILE:H	4	0.76
(1,51)	1:407:A:LEU:HD21	1:463:A:ILE:H	4	0.76
(1,51)	1:407:A:LEU:HD22	1:463:A:ILE:H	4	0.76
(1,51)	1:407:A:LEU:HD23	1:463:A:ILE:H	4	0.76
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	15	0.76
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	15	0.76
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	15	0.76
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	15	0.76
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	15	0.76
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	15	0.76
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	15	0.76
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	15	0.76
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	15	0.76
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	15	0.76
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	15	0.76
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	15	0.76
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	16	0.76
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	13	0.75
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	13	0.75
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	1	0.75
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	1	0.75
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	1	0.75
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	1	0.75
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	1	0.75
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	1	0.75
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	1	0.75
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	1	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	1	0.75
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	1	0.75
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	1	0.75
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	1	0.75
(1,2321)	1:412:A:LEU:HD11	1:449:A:GLY:H	1	0.75
(1,2321)	1:412:A:LEU:HD12	1:449:A:GLY:H	1	0.75
(1,2321)	1:412:A:LEU:HD13	1:449:A:GLY:H	1	0.75
(1,2321)	1:412:A:LEU:HD21	1:449:A:GLY:H	1	0.75
(1,2321)	1:412:A:LEU:HD22	1:449:A:GLY:H	1	0.75
(1,2321)	1:412:A:LEU:HD23	1:449:A:GLY:H	1	0.75
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	1	0.75
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	2	0.75
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	2	0.75
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	8	0.75
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	8	0.75
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	14	0.75
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	14	0.75
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	17	0.75
(1,2237)	1:404:A:GLY:H	1:406:A:ASN:HD21	5	0.75
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	12	0.75
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	12	0.75
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	12	0.75
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	13	0.75
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	18	0.75
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	8	0.75
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	8	0.75
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	8	0.75
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	7	0.75
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	7	0.75
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	17	0.75
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	17	0.75
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	18	0.75
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	18	0.75
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	17	0.75
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	19	0.75
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	3	0.75
(1,2054)	1:400:A:GLU:HB3	1:406:A:ASN:HD21	14	0.75
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	5	0.75
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	15	0.75
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	15	0.75
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	2	0.75
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	8	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	12	0.75
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	10	0.75
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	17	0.75
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	20	0.75
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	2	0.75
(1,1606)	1:413:A:PRO:HG3	1:476:A:LEU:H	2	0.75
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	7	0.75
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	7	0.75
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	6	0.75
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	6	0.75
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	6	0.75
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	6	0.75
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	6	0.75
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	6	0.75
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	6	0.75
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	14	0.75
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	6	0.75
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	10	0.75
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG2	4	0.75
(1,1247)	1:464:A:GLN:H	1:464:A:GLN:HG3	4	0.75
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	18	0.75
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	16	0.75
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	2	0.75
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	2	0.75
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	7	0.75
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	7	0.75
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	7	0.75
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	19	0.75
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	19	0.75
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	19	0.75
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	5	0.75
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	5	0.75
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	5	0.75
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	5	0.75
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	5	0.75
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	5	0.75
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	5	0.75
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	5	0.75
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	5	0.75
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	5	0.75
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	5	0.75
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	5	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	6	0.75
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	6	0.75
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	6	0.75
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	20	0.75
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	20	0.75
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	20	0.75
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	5	0.75
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	5	0.75
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	5	0.75
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	14	0.75
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	14	0.75
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	14	0.75
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	3	0.75
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	6	0.75
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	6	0.75
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	6	0.75
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	12	0.75
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	12	0.75
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	12	0.75
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	19	0.75
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	19	0.75
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	19	0.75
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	1	0.75
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	6	0.75
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	6	0.75
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	6	0.75
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	15	0.75
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	15	0.75
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	15	0.75
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	2	0.75
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	2	0.75
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	2	0.75
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	11	0.75
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	11	0.75
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	11	0.75
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	11	0.75
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	11	0.75
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	11	0.75
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	12	0.75
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	12	0.75
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	12	0.75
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	12	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	12	0.75
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	12	0.75
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	9	0.75
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	9	0.75
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	5	0.75
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	5	0.75
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	5	0.75
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	9	0.75
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	9	0.75
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	9	0.75
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	11	0.75
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	11	0.75
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	11	0.75
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	14	0.75
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	14	0.75
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	14	0.75
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	16	0.75
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	16	0.75
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	16	0.75
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	8	0.75
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	8	0.75
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	8	0.75
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	17	0.75
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	17	0.75
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	17	0.75
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	2	0.75
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	2	0.75
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	10	0.75
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	10	0.75
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	14	0.75
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	14	0.75
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	4	0.75
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	17	0.75
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	17	0.75
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	17	0.75
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	17	0.75
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	5	0.75
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	5	0.75
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	5	0.75
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	10	0.75
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	10	0.75
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	10	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	5	0.75
(1,419)	1:480:A:LEU:HB2	1:481:A:LYS:H	12	0.75
(1,419)	1:480:A:LEU:HB3	1:481:A:LYS:H	12	0.75
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG12	1	0.75
(1,402)	1:463:A:ILE:HA	1:463:A:ILE:HG13	1	0.75
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	20	0.75
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	20	0.75
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	20	0.75
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	20	0.75
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	20	0.75
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	20	0.75
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	1	0.75
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	1	0.75
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	1	0.75
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	8	0.75
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	8	0.75
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	8	0.75
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	8	0.75
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	8	0.75
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	8	0.75
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	6	0.75
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	6	0.75
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	6	0.75
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	12	0.75
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	12	0.75
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	12	0.75
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	19	0.75
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	19	0.75
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	19	0.75
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	3	0.75
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	3	0.75
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	3	0.75
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	20	0.75
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	20	0.75
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	20	0.75
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	8	0.75
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	8	0.75
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	8	0.75
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	8	0.75
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	8	0.75
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	8	0.75
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	6	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	6	0.75
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	6	0.75
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG21	11	0.75
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG22	11	0.75
(1,120)	1:478:A:VAL:H	1:478:A:VAL:HG23	11	0.75
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	13	0.75
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	13	0.75
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	7	0.75
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	7	0.75
(1,62)	1:480:A:LEU:HA	1:480:A:LEU:HG	13	0.75
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	3	0.75
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	3	0.75
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	3	0.75
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	3	0.75
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	3	0.75
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	3	0.75
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	3	0.75
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	3	0.75
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	3	0.75
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	3	0.75
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	3	0.75
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	3	0.75
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	3	0.75
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	3	0.75
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	3	0.75
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	3	0.75
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	3	0.75
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	3	0.75
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	6	0.75
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	6	0.75
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	6	0.75
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	6	0.75
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	6	0.75
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	6	0.75
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	6	0.75
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	6	0.75
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	6	0.75
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	6	0.75
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	6	0.75
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	6	0.75
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	10	0.75
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	10	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	10	0.75
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	10	0.75
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	10	0.75
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	10	0.75
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	10	0.75
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	10	0.75
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	10	0.75
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	10	0.75
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	10	0.75
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	10	0.75
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	1	0.75
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	1	0.75
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	14	0.75
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	2	0.74
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	2	0.74
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	20	0.74
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	20	0.74
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	20	0.74
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	5	0.74
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	5	0.74
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	5	0.74
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	4	0.74
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	4	0.74
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	4	0.74
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	16	0.74
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	7	0.74
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	7	0.74
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	14	0.74
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	14	0.74
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	14	0.74
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	15	0.74
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	18	0.74
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	2	0.74
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	2	0.74
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	2	0.74
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	15	0.74
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	5	0.74
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	2	0.74
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	2	0.74
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	16	0.74
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	16	0.74
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	14	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2105)	1:420:A:ASP:HB3	1:421:A:ILE:H	9	0.74
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	2	0.74
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	5	0.74
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	1	0.74
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	5	0.74
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	14	0.74
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	2	0.74
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	16	0.74
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	13	0.74
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	13	0.74
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	18	0.74
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	18	0.74
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	15	0.74
(1,1628)	1:405:A:ALA:HB1	1:455:A:ASN:HA	14	0.74
(1,1628)	1:405:A:ALA:HB2	1:455:A:ASN:HA	14	0.74
(1,1628)	1:405:A:ALA:HB3	1:455:A:ASN:HA	14	0.74
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	6	0.74
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	9	0.74
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	19	0.74
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	19	0.74
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD2	15	0.74
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD3	15	0.74
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	5	0.74
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	5	0.74
(1,1233)	1:407:A:LEU:H	1:452:A:SER:HA	18	0.74
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	1	0.74
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG2	10	0.74
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG3	10	0.74
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	20	0.74
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	17	0.74
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	9	0.74
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	9	0.74
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	14	0.74
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	3	0.74
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	3	0.74
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	3	0.74
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	9	0.74
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	9	0.74
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	9	0.74
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	9	0.74
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	9	0.74
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	9	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	9	0.74
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	9	0.74
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	9	0.74
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	18	0.74
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	18	0.74
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	18	0.74
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	18	0.74
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	18	0.74
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	18	0.74
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	18	0.74
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	18	0.74
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	18	0.74
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	12	0.74
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	12	0.74
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	12	0.74
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	14	0.74
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	14	0.74
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	14	0.74
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	10	0.74
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	10	0.74
(1,921)	1:400:A:GLU:HG3	1:452:A:SER:HB2	8	0.74
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	6	0.74
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	6	0.74
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	6	0.74
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	6	0.74
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	6	0.74
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	6	0.74
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	6	0.74
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	6	0.74
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	6	0.74
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	1	0.74
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG11	10	0.74
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG12	10	0.74
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG13	10	0.74
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	19	0.74
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	19	0.74
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	19	0.74
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	15	0.74
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	15	0.74
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	15	0.74
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	6	0.74
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	6	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	6	0.74
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	6	0.74
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	6	0.74
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	6	0.74
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	8	0.74
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	8	0.74
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	8	0.74
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	8	0.74
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	8	0.74
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	8	0.74
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	16	0.74
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	16	0.74
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	16	0.74
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	16	0.74
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	16	0.74
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	16	0.74
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	19	0.74
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	19	0.74
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	19	0.74
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	19	0.74
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	19	0.74
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	19	0.74
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	8	0.74
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	8	0.74
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	8	0.74
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	10	0.74
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	13	0.74
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	19	0.74
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	3	0.74
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	3	0.74
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	3	0.74
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	15	0.74
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	15	0.74
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	15	0.74
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	1	0.74
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	1	0.74
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	1	0.74
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	3	0.74
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	3	0.74
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	17	0.74
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	17	0.74
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	19	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	19	0.74
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	4	0.74
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	16	0.74
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	16	0.74
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	16	0.74
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	16	0.74
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	16	0.74
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	16	0.74
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	16	0.74
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	16	0.74
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	16	0.74
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	18	0.74
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	18	0.74
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	18	0.74
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	13	0.74
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	13	0.74
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	13	0.74
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	20	0.74
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	20	0.74
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	20	0.74
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	11	0.74
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	11	0.74
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	11	0.74
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	11	0.74
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	11	0.74
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	11	0.74
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	2	0.74
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	2	0.74
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	2	0.74
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	18	0.74
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	20	0.74
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	20	0.74
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	20	0.74
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	16	0.74
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	16	0.74
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	16	0.74
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG21	4	0.74
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG22	4	0.74
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG23	4	0.74
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	20	0.74
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	20	0.74
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	20	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	20	0.74
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	20	0.74
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	20	0.74
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	11	0.74
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	11	0.74
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	11	0.74
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	11	0.74
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	11	0.74
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	11	0.74
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	11	0.74
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	11	0.74
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	11	0.74
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	11	0.74
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	11	0.74
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	11	0.74
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	13	0.74
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	13	0.74
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	20	0.74
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	20	0.74
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	12	0.73
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	12	0.73
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	10	0.73
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	12	0.73
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	1	0.73
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	1	0.73
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	4	0.73
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	4	0.73
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	10	0.73
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	10	0.73
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	14	0.73
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	14	0.73
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	8	0.73
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	16	0.73
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	10	0.73
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	3	0.73
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	16	0.73
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD11	14	0.73
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD12	14	0.73
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD13	14	0.73
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD21	14	0.73
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD22	14	0.73
(1,1837)	1:407:A:LEU:H	1:407:A:LEU:HD23	14	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	7	0.73
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	12	0.73
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	3	0.73
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	3	0.73
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	6	0.73
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	6	0.73
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	6	0.73
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	6	0.73
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	6	0.73
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	6	0.73
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	6	0.73
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	6	0.73
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	6	0.73
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	6	0.73
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	6	0.73
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	6	0.73
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	7	0.73
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	7	0.73
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	17	0.73
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	17	0.73
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	12	0.73
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	6	0.73
(1,1600)	1:421:A:ILE:HD11	1:434:A:ALA:HA	4	0.73
(1,1600)	1:421:A:ILE:HD12	1:434:A:ALA:HA	4	0.73
(1,1600)	1:421:A:ILE:HD13	1:434:A:ALA:HA	4	0.73
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	9	0.73
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	9	0.73
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	9	0.73
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	9	0.73
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	9	0.73
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	9	0.73
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	1	0.73
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	1	0.73
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	3	0.73
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	3	0.73
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	16	0.73
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	19	0.73
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	19	0.73
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	8	0.73
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	8	0.73
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	8	0.73
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	2	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	2	0.73
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	1	0.73
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	1	0.73
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	15	0.73
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	15	0.73
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	15	0.73
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	15	0.73
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	15	0.73
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	15	0.73
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	8	0.73
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	8	0.73
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	8	0.73
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	8	0.73
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	8	0.73
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	8	0.73
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	17	0.73
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB2	12	0.73
(1,1067)	1:416:A:PHE:HE1	1:424:A:MET:HB3	12	0.73
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB2	12	0.73
(1,1067)	1:416:A:PHE:HE2	1:424:A:MET:HB3	12	0.73
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	17	0.73
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	17	0.73
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	17	0.73
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	17	0.73
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	17	0.73
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	17	0.73
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	17	0.73
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	17	0.73
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	17	0.73
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	1	0.73
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	1	0.73
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	1	0.73
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	9	0.73
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	9	0.73
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	9	0.73
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	9	0.73
(1,924)	1:400:A:GLU:HG3	1:452:A:SER:HB3	11	0.73
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	13	0.73
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	13	0.73
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	13	0.73
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	13	0.73
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	13	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	13	0.73
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	13	0.73
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	13	0.73
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	13	0.73
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG11	14	0.73
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG12	14	0.73
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG13	14	0.73
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	13	0.73
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	13	0.73
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	13	0.73
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	7	0.73
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	7	0.73
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	7	0.73
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	16	0.73
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	16	0.73
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	16	0.73
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	4	0.73
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	4	0.73
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	4	0.73
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	8	0.73
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	8	0.73
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	8	0.73
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	9	0.73
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	9	0.73
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	9	0.73
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	9	0.73
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	9	0.73
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	9	0.73
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	17	0.73
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	17	0.73
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	17	0.73
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	17	0.73
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	17	0.73
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	17	0.73
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	18	0.73
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	18	0.73
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	18	0.73
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	18	0.73
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	18	0.73
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	18	0.73
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	8	0.73
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	8	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	8	0.73
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	10	0.73
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	10	0.73
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	10	0.73
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	10	0.73
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	10	0.73
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	10	0.73
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	7	0.73
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	7	0.73
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	7	0.73
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	8	0.73
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	8	0.73
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	8	0.73
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	19	0.73
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	6	0.73
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	6	0.73
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	14	0.73
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	3	0.73
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	3	0.73
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	3	0.73
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	13	0.73
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	13	0.73
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	13	0.73
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	10	0.73
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	10	0.73
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	10	0.73
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	12	0.73
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	12	0.73
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	12	0.73
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	16	0.73
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	16	0.73
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	16	0.73
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	16	0.73
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	16	0.73
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	16	0.73
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	10	0.73
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	1	0.73
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	1	0.73
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	1	0.73
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	1	0.73
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	1	0.73
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	1	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	13	0.73
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	9	0.73
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	9	0.73
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	9	0.73
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	5	0.73
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	5	0.73
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	5	0.73
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	10	0.73
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	10	0.73
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	10	0.73
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	8	0.73
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	8	0.73
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	8	0.73
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	8	0.73
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	8	0.73
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	8	0.73
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	11	0.73
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	11	0.73
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	11	0.73
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	11	0.73
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	11	0.73
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	11	0.73
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	13	0.73
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	13	0.73
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	13	0.73
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	13	0.73
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	13	0.73
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	13	0.73
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	14	0.73
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	14	0.73
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	14	0.73
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	14	0.73
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	14	0.73
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	14	0.73
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	14	0.73
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	14	0.73
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	14	0.73
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	14	0.73
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	14	0.73
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	14	0.73
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	1	0.73
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	1	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	10	0.72
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	10	0.72
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD1	16	0.72
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD2	16	0.72
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	9	0.72
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	9	0.72
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	6	0.72
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	14	0.72
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	14	0.72
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	14	0.72
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	17	0.72
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	17	0.72
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	17	0.72
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	1	0.72
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	5	0.72
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	9	0.72
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	15	0.72
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	1	0.72
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	15	0.72
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	15	0.72
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	6	0.72
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	13	0.72
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	3	0.72
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	6	0.72
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	16	0.72
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	19	0.72
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	12	0.72
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	17	0.72
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	17	0.72
(1,1901)	1:418:A:ASP:H	1:418:A:ASP:HB3	9	0.72
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	2	0.72
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	4	0.72
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	16	0.72
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	16	0.72
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	4	0.72
(1,1771)	1:445:A:SER:HB3	1:446:A:LYS:H	14	0.72
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	1	0.72
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	1	0.72
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	2	0.72
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	2	0.72
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	11	0.72
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	8	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:398:A:GLN:HB2	1:398:A:GLN:HE21	19	0.72
(1,1506)	1:398:A:GLN:HB3	1:398:A:GLN:HE21	19	0.72
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	14	0.72
(1,1465)	1:439:A:ASP:HA	1:441:A:GLN:H	9	0.72
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	17	0.72
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	17	0.72
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	1	0.72
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	14	0.72
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	17	0.72
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	6	0.72
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	6	0.72
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	7	0.72
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	7	0.72
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	7	0.72
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	7	0.72
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	7	0.72
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	7	0.72
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	7	0.72
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	7	0.72
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	7	0.72
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	10	0.72
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	10	0.72
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	10	0.72
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	10	0.72
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	10	0.72
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	10	0.72
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	10	0.72
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	10	0.72
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	10	0.72
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	3	0.72
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	3	0.72
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	3	0.72
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	10	0.72
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	10	0.72
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	10	0.72
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	8	0.72
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	8	0.72
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	8	0.72
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	10	0.72
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	5	0.72
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	5	0.72
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	7	0.72
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	7	0.72
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	7	0.72
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	16	0.72
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	16	0.72
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	16	0.72
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	12	0.72
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	12	0.72
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	12	0.72
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	1	0.72
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	1	0.72
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	1	0.72
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	3	0.72
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	3	0.72
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	3	0.72
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	5	0.72
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	5	0.72
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	5	0.72
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	7	0.72
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	7	0.72
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	7	0.72
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	7	0.72
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	7	0.72
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	7	0.72
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	7	0.72
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	7	0.72
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	7	0.72
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	12	0.72
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	12	0.72
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	12	0.72
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	12	0.72
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	12	0.72
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	12	0.72
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	1	0.72
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	1	0.72
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	1	0.72
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	4	0.72
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	4	0.72
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	4	0.72
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	6	0.72
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	10	0.72
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	20	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	20	0.72
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	20	0.72
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	20	0.72
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	20	0.72
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	20	0.72
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	8	0.72
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	4	0.72
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	4	0.72
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	4	0.72
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	4	0.72
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	11	0.72
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	11	0.72
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	11	0.72
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	11	0.72
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	20	0.72
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	20	0.72
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	20	0.72
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	20	0.72
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	20	0.72
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	20	0.72
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	20	0.72
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	20	0.72
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	13	0.72
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	13	0.72
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	13	0.72
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	20	0.72
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	20	0.72
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	20	0.72
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	5	0.72
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	7	0.72
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	7	0.72
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	7	0.72
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	16	0.72
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	16	0.72
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	4	0.72
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	10	0.72
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	10	0.72
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	10	0.72
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	19	0.72
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	19	0.72
(1,338)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	19	0.72
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	19	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	19	0.72
(1,338)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	19	0.72
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	19	0.72
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	19	0.72
(1,338)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	19	0.72
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	8	0.72
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	8	0.72
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	8	0.72
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	17	0.72
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	17	0.72
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	17	0.72
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	18	0.72
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	18	0.72
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	18	0.72
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	10	0.72
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	10	0.72
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	10	0.72
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	10	0.72
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	10	0.72
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	10	0.72
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	20	0.72
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	20	0.72
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	20	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	2	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	2	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	2	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	2	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	2	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	2	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	4	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	4	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	4	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	4	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	4	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	4	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	5	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	5	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	5	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	5	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	5	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	5	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	12	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	12	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	12	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	12	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	12	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	12	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	17	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	17	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	17	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	17	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	17	0.72
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	17	0.72
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	14	0.72
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	14	0.72
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	15	0.72
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	15	0.72
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	15	0.72
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	19	0.72
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	19	0.72
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	6	0.72
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	7	0.72
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	13	0.72
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	3	0.71
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	3	0.71
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	3	0.71
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	3	0.71
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	13	0.71
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	10	0.71
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	10	0.71
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	15	0.71
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	15	0.71
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	6	0.71
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	6	0.71
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	6	0.71
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	2	0.71
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	19	0.71
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	6	0.71
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	6	0.71
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	13	0.71
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	13	0.71
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	12	0.71
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	2	0.71
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	15	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	16	0.71
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	10	0.71
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	11	0.71
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	9	0.71
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	11	0.71
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	18	0.71
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	16	0.71
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	17	0.71
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	18	0.71
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	18	0.71
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	19	0.71
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	16	0.71
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	16	0.71
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	3	0.71
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	3	0.71
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	16	0.71
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	10	0.71
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	9	0.71
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	17	0.71
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	17	0.71
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	16	0.71
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	16	0.71
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	12	0.71
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	5	0.71
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	5	0.71
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	5	0.71
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	18	0.71
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	18	0.71
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	18	0.71
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	18	0.71
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	18	0.71
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	18	0.71
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	6	0.71
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	6	0.71
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	15	0.71
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB2	4	0.71
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB3	4	0.71
(1,1128)	1:431:A:VAL:HA	1:453:A:TYR:HA	16	0.71
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	3	0.71
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	3	0.71
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	3	0.71
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	3	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	3	0.71
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	3	0.71
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	3	0.71
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	3	0.71
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	3	0.71
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	16	0.71
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	16	0.71
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	16	0.71
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	16	0.71
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	16	0.71
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	16	0.71
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	16	0.71
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	16	0.71
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	16	0.71
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	2	0.71
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	2	0.71
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	2	0.71
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	4	0.71
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	2	0.71
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	2	0.71
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	2	0.71
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	2	0.71
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	2	0.71
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	2	0.71
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	2	0.71
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	2	0.71
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	2	0.71
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	16	0.71
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	16	0.71
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	16	0.71
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	16	0.71
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	16	0.71
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	16	0.71
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	16	0.71
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	16	0.71
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	16	0.71
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	1	0.71
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	1	0.71
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	1	0.71
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG11	13	0.71
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG12	13	0.71
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG13	13	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	4	0.71
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	4	0.71
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	4	0.71
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	13	0.71
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	13	0.71
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	13	0.71
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	13	0.71
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	13	0.71
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	13	0.71
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	13	0.71
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	13	0.71
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	13	0.71
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	4	0.71
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	4	0.71
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	4	0.71
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	20	0.71
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	20	0.71
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	20	0.71
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	1	0.71
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	1	0.71
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	1	0.71
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	1	0.71
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	1	0.71
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	1	0.71
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	5	0.71
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	5	0.71
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	5	0.71
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	5	0.71
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	5	0.71
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	5	0.71
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	11	0.71
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	11	0.71
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	11	0.71
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	11	0.71
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	11	0.71
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	11	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	2	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	2	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	2	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	5	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	5	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	5	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	10	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	10	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	10	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	12	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	12	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	12	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	13	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	13	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	13	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	17	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	17	0.71
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	17	0.71
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	10	0.71
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	10	0.71
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	10	0.71
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	13	0.71
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	13	0.71
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	13	0.71
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	13	0.71
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	13	0.71
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	13	0.71
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	13	0.71
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	13	0.71
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	13	0.71
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	16	0.71
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	16	0.71
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	16	0.71
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	7	0.71
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	7	0.71
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	7	0.71
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	7	0.71
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	7	0.71
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	7	0.71
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	3	0.71
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	3	0.71
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	3	0.71
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	3	0.71
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	3	0.71
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	3	0.71
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB1	18	0.71
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB2	18	0.71
(1,279)	1:418:A:ASP:HA	1:434:A:ALA:HB3	18	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	3	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	3	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	3	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	3	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	3	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	3	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	7	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	7	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	7	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	7	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	7	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	7	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	11	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	11	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	11	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	11	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	11	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	11	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	13	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	13	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	13	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	13	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	13	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	13	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	16	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	16	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	16	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	16	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	16	0.71
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	16	0.71
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG21	11	0.71
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG22	11	0.71
(1,193)	1:436:A:VAL:HA	1:436:A:VAL:HG23	11	0.71
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	5	0.71
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	5	0.71
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	5	0.71
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	2	0.71
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	2	0.71
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	2	0.71
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	2	0.71
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	2	0.71
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	2	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB2	8	0.71
(1,163)	1:468:A:GLY:HA3	1:476:A:LEU:HB3	8	0.71
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	3	0.71
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	3	0.71
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	3	0.71
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	3	0.71
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	3	0.71
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	3	0.71
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	3	0.71
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	3	0.71
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	3	0.71
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	3	0.71
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	3	0.71
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	3	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	3	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	3	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	3	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	3	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	3	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	3	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	10	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	10	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	10	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	10	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	10	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	10	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	14	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	14	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	14	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	14	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	14	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	14	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	15	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	15	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	15	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	15	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	15	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	15	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	16	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	16	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	16	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	16	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	16	0.71
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	16	0.71
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	3	0.71
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	3	0.71
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	3	0.71
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	3	0.71
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	3	0.71
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	3	0.71
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	20	0.71
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	20	0.71
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	20	0.71
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	20	0.71
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	20	0.71
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	20	0.71
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	12	0.71
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	12	0.71
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	6	0.71
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	6	0.71
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	6	0.71
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	6	0.71
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	6	0.71
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	6	0.71
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	6	0.71
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	6	0.71
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	6	0.71
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	6	0.71
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	6	0.71
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	6	0.71
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	6	0.71
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	6	0.71
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	6	0.71
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	6	0.71
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	6	0.71
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	6	0.71
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	7	0.71
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	7	0.71
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	7	0.71
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	11	0.71
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	11	0.71
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	11	0.71
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	14	0.71
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	14	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	14	0.71
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	3	0.7
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	3	0.7
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	3	0.7
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	3	0.7
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	3	0.7
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	3	0.7
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	3	0.7
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	3	0.7
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	3	0.7
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	3	0.7
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	3	0.7
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	3	0.7
(1,2342)	1:448:A:PHE:H	1:448:A:PHE:HD1	12	0.7
(1,2342)	1:448:A:PHE:H	1:448:A:PHE:HD2	12	0.7
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	3	0.7
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	3	0.7
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	3	0.7
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	11	0.7
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	11	0.7
(1,2269)	1:443:A:ASN:HA	1:443:A:ASN:HD22	7	0.7
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB2	12	0.7
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB3	12	0.7
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	4	0.7
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	19	0.7
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	19	0.7
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	8	0.7
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	10	0.7
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	1	0.7
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	20	0.7
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	20	0.7
(1,1925)	1:452:A:SER:HB2	1:453:A:TYR:H	15	0.7
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	3	0.7
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	4	0.7
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	6	0.7
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	15	0.7
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	19	0.7
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	8	0.7
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	3	0.7
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	8	0.7
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	10	0.7
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	13	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	17	0.7
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	17	0.7
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	1	0.7
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	11	0.7
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	11	0.7
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	11	0.7
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	11	0.7
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	11	0.7
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	11	0.7
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	10	0.7
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	10	0.7
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	18	0.7
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	18	0.7
(1,1499)	1:405:A:ALA:HB1	1:406:A:ASN:HA	9	0.7
(1,1499)	1:405:A:ALA:HB2	1:406:A:ASN:HA	9	0.7
(1,1499)	1:405:A:ALA:HB3	1:406:A:ASN:HA	9	0.7
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	12	0.7
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	7	0.7
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	7	0.7
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	7	0.7
(1,1439)	1:418:A:ASP:HB2	1:435:A:LYS:HA	2	0.7
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	3	0.7
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	3	0.7
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	13	0.7
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	13	0.7
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	8	0.7
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	8	0.7
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	8	0.7
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	8	0.7
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	8	0.7
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	8	0.7
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	1	0.7
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	1	0.7
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	1	0.7
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	1	0.7
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	1	0.7
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	1	0.7
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	9	0.7
(1,1167)	1:398:A:GLN:HG3	1:433:A:SER:HB3	3	0.7
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	3	0.7
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	12	0.7
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	12	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	12	0.7
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	12	0.7
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	12	0.7
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	12	0.7
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	12	0.7
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	12	0.7
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	12	0.7
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	15	0.7
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	15	0.7
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	15	0.7
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	15	0.7
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	15	0.7
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	15	0.7
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	15	0.7
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	15	0.7
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	15	0.7
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	8	0.7
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	8	0.7
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	8	0.7
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	11	0.7
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	11	0.7
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	11	0.7
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	18	0.7
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	18	0.7
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	18	0.7
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	18	0.7
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	18	0.7
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	18	0.7
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	17	0.7
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	17	0.7
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	12	0.7
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	12	0.7
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	12	0.7
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	12	0.7
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	12	0.7
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	12	0.7
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	12	0.7
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	12	0.7
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	12	0.7
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	9	0.7
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	9	0.7
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	6	0.7
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	6	0.7
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	18	0.7
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	18	0.7
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	18	0.7
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	2	0.7
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	2	0.7
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	2	0.7
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	14	0.7
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	14	0.7
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	14	0.7
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	17	0.7
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	17	0.7
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	17	0.7
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	20	0.7
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	20	0.7
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	20	0.7
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	20	0.7
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	20	0.7
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	20	0.7
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	9	0.7
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	9	0.7
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	9	0.7
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	12	0.7
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	17	0.7
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	11	0.7
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	11	0.7
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	11	0.7
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	15	0.7
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	15	0.7
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	15	0.7
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	18	0.7
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	18	0.7
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	18	0.7
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	5	0.7
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	6	0.7
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	6	0.7
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	6	0.7
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	1	0.7
(1,419)	1:480:A:LEU:HB2	1:481:A:LYS:H	6	0.7
(1,419)	1:480:A:LEU:HB3	1:481:A:LYS:H	6	0.7
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	8	0.7
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	8	0.7
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	8	0.7
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	8	0.7
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	8	0.7
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	8	0.7
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	8	0.7
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	8	0.7
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	8	0.7
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	8	0.7
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	8	0.7
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	8	0.7
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	8	0.7
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	8	0.7
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	8	0.7
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	8	0.7
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	8	0.7
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	19	0.7
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	19	0.7
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	19	0.7
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	19	0.7
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	19	0.7
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	19	0.7
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	19	0.7
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	19	0.7
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	19	0.7
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	19	0.7
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	19	0.7
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	19	0.7
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	19	0.7
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	19	0.7
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	19	0.7
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	19	0.7
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	19	0.7
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	19	0.7
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	19	0.7
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	19	0.7
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	19	0.7
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	16	0.7
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	16	0.7
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	16	0.7
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	3	0.7
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	3	0.7
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	7	0.7
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	7	0.7
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	7	0.7
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	12	0.7
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	12	0.7
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	12	0.7
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	12	0.7
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	12	0.7
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	12	0.7
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG11	9	0.7
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG12	9	0.7
(1,294)	1:436:A:VAL:HA	1:436:A:VAL:HG13	9	0.7
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	17	0.7
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	17	0.7
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	17	0.7
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	16	0.7
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	16	0.7
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	16	0.7
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	15	0.7
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	15	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	15	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	15	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	15	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	15	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	15	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	15	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	17	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	17	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	17	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	17	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	17	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	17	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	18	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	18	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	18	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	18	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	18	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	18	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	19	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	19	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	19	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	19	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	19	0.7
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	19	0.7
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	12	0.7
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	4	0.7
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	4	0.7
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	4	0.7
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	4	0.7
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	4	0.7
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	4	0.7
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	15	0.7
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	15	0.7
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	15	0.7
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	15	0.7
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	15	0.7
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	15	0.7
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	1	0.7
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	1	0.7
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	1	0.7
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	1	0.7
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	1	0.7
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	1	0.7
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	15	0.7
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	15	0.7
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	15	0.7
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	15	0.7
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	15	0.7
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	15	0.7
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	8	0.7
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	8	0.7
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	8	0.7
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	8	0.7
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	8	0.7
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	8	0.7
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	8	0.7
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	8	0.7
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	8	0.7
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	8	0.7
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	8	0.7
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	8	0.7
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	8	0.7
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	8	0.7
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	8	0.7
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	8	0.7
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	8	0.7
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	10	0.7
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	10	0.7
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	10	0.7
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	10	0.7
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	10	0.7
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	10	0.7
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	10	0.7
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	10	0.7
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	10	0.7
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	10	0.7
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	10	0.7
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	10	0.7
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	10	0.7
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	10	0.7
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	10	0.7
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	10	0.7
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	10	0.7
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	10	0.7
(1,2319)	1:448:A:PHE:HB2	1:449:A:GLY:H	2	0.69
(1,2319)	1:448:A:PHE:HB3	1:449:A:GLY:H	2	0.69
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	13	0.69
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	3	0.69
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	10	0.69
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	20	0.69
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	20	0.69
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	20	0.69
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	4	0.69
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	4	0.69
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	4	0.69
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	6	0.69
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	11	0.69
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	11	0.69
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB2	9	0.69
(1,1977)	1:475:A:ARG:H	1:475:A:ARG:HB3	9	0.69
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	7	0.69
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	10	0.69
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	16	0.69
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	4	0.69
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	4	0.69
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	12	0.69
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	12	0.69
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	15	0.69
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	15	0.69
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	9	0.69
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	16	0.69
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	16	0.69
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD2	6	0.69
(1,1559)	1:411:A:HIS:HB3	1:474:A:LYS:HD3	6	0.69
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	11	0.69
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	14	0.69
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	14	0.69
(1,1439)	1:418:A:ASP:HB2	1:435:A:LYS:HA	14	0.69
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	5	0.69
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	5	0.69
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	15	0.69
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	15	0.69
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	20	0.69
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	20	0.69
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	20	0.69
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	20	0.69
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	20	0.69
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	20	0.69
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	20	0.69
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	20	0.69
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	20	0.69
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	20	0.69
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	20	0.69
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	20	0.69
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE1	10	0.69
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE2	10	0.69
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE1	10	0.69
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE2	10	0.69
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	3	0.69
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	9	0.69
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	19	0.69
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	19	0.69
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	2	0.69
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	7	0.69
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	10	0.69
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	10	0.69
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	10	0.69
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	2	0.69
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	2	0.69
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	7	0.69
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	5	0.69
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	5	0.69
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	5	0.69
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	8	0.69
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	8	0.69
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	8	0.69
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	8	0.69
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	8	0.69
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	8	0.69
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	8	0.69
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	8	0.69
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	8	0.69
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	15	0.69
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	5	0.69
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	5	0.69
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	5	0.69
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	5	0.69
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	5	0.69
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	5	0.69
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	5	0.69
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	5	0.69
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	5	0.69
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	10	0.69
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	10	0.69
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	10	0.69
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	10	0.69
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	10	0.69
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	10	0.69
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	10	0.69
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	10	0.69
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	10	0.69
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	20	0.69
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	20	0.69
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	20	0.69
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	20	0.69
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	20	0.69
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	20	0.69
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	20	0.69
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	20	0.69
(1,873)	1:451:A:VAL:HA	1:452:A:SER:HB3	20	0.69
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	15	0.69
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	15	0.69
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	9	0.69
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	9	0.69
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	9	0.69
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	11	0.69
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	11	0.69
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	11	0.69
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	12	0.69
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	12	0.69
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	12	0.69
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	18	0.69
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	18	0.69
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	18	0.69
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	16	0.69
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	16	0.69
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	16	0.69
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	17	0.69
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	17	0.69
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	17	0.69
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	6	0.69
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	6	0.69
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	6	0.69
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	11	0.69
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	11	0.69
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	11	0.69
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	16	0.69
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	16	0.69
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	16	0.69
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	18	0.69
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	18	0.69
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	18	0.69
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	19	0.69
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	19	0.69
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	19	0.69
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	20	0.69
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	20	0.69
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	3	0.69
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	3	0.69
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	3	0.69
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	3	0.69
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	3	0.69
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	3	0.69
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	13	0.69
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	13	0.69
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	13	0.69
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	13	0.69
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	13	0.69
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	13	0.69
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	14	0.69
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	14	0.69
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	14	0.69
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	9	0.69
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	9	0.69
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	9	0.69
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	9	0.69
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	9	0.69
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	9	0.69
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	4	0.69
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	4	0.69
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	4	0.69
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	4	0.69
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	4	0.69
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	4	0.69
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	11	0.69
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	6	0.69
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	6	0.69
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	6	0.69
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE1	9	0.69
(1,512)	1:435:A:LYS:HE2	1:450:A:PHE:HE2	9	0.69
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE1	9	0.69
(1,512)	1:435:A:LYS:HE3	1:450:A:PHE:HE2	9	0.69
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	8	0.69
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	13	0.69
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	13	0.69
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	9	0.69
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	9	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	9	0.69
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	9	0.69
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	20	0.69
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	20	0.69
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	20	0.69
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	1	0.69
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	1	0.69
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	1	0.69
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	13	0.69
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	13	0.69
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	13	0.69
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	20	0.69
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	20	0.69
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	20	0.69
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	12	0.69
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	12	0.69
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	12	0.69
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	12	0.69
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	12	0.69
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	12	0.69
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	3	0.69
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	3	0.69
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	3	0.69
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	8	0.69
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	8	0.69
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	8	0.69
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	8	0.69
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	8	0.69
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	8	0.69
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	8	0.69
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	8	0.69
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	8	0.69
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	5	0.69
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	5	0.69
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	5	0.69
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	6	0.69
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	6	0.69
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	6	0.69
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	6	0.69
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	6	0.69
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	6	0.69
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	8	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	8	0.69
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	8	0.69
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	8	0.69
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	8	0.69
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	8	0.69
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	20	0.69
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	20	0.69
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	20	0.69
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	20	0.69
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	20	0.69
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	20	0.69
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	20	0.69
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	20	0.69
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	20	0.69
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	20	0.69
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	20	0.69
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	20	0.69
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	20	0.69
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	20	0.69
(1,2319)	1:448:A:PHE:HB2	1:449:A:GLY:H	5	0.68
(1,2319)	1:448:A:PHE:HB3	1:449:A:GLY:H	5	0.68
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	1	0.68
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	1	0.68
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	1	0.68
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	10	0.68
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	10	0.68
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	10	0.68
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	9	0.68
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	12	0.68
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	7	0.68
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	7	0.68
(1,2244)	1:444:A:LEU:HD11	1:479:A:GLN:HE22	15	0.68
(1,2244)	1:444:A:LEU:HD12	1:479:A:GLN:HE22	15	0.68
(1,2244)	1:444:A:LEU:HD13	1:479:A:GLN:HE22	15	0.68
(1,2244)	1:444:A:LEU:HD21	1:479:A:GLN:HE22	15	0.68
(1,2244)	1:444:A:LEU:HD22	1:479:A:GLN:HE22	15	0.68
(1,2244)	1:444:A:LEU:HD23	1:479:A:GLN:HE22	15	0.68
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	16	0.68
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	1	0.68
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	3	0.68
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	3	0.68
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB2	20	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2137)	1:424:A:MET:H	1:424:A:MET:HB3	20	0.68
(1,2111)	1:418:A:ASP:HB3	1:419:A:GLN:H	18	0.68
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	14	0.68
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	17	0.68
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	14	0.68
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	19	0.68
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	6	0.68
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	13	0.68
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	17	0.68
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	20	0.68
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	10	0.68
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	19	0.68
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	19	0.68
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	20	0.68
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	14	0.68
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	14	0.68
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	20	0.68
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	1	0.68
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	10	0.68
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	10	0.68
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	20	0.68
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	16	0.68
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	16	0.68
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	16	0.68
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	7	0.68
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	7	0.68
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	4	0.68
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	4	0.68
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	17	0.68
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	8	0.68
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	8	0.68
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	9	0.68
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	9	0.68
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	8	0.68
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	7	0.68
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	7	0.68
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	19	0.68
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	17	0.68
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	17	0.68
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	17	0.68
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	14	0.68
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	14	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	14	0.68
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	14	0.68
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	14	0.68
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	14	0.68
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	14	0.68
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	14	0.68
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	14	0.68
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	19	0.68
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	19	0.68
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	19	0.68
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	19	0.68
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	19	0.68
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	19	0.68
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	19	0.68
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	19	0.68
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	19	0.68
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	10	0.68
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	10	0.68
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	10	0.68
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	10	0.68
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	13	0.68
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	13	0.68
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	13	0.68
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	8	0.68
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	8	0.68
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	8	0.68
(1,827)	1:407:A:LEU:HD11	1:478:A:VAL:HA	14	0.68
(1,827)	1:407:A:LEU:HD12	1:478:A:VAL:HA	14	0.68
(1,827)	1:407:A:LEU:HD13	1:478:A:VAL:HA	14	0.68
(1,827)	1:407:A:LEU:HD21	1:478:A:VAL:HA	14	0.68
(1,827)	1:407:A:LEU:HD22	1:478:A:VAL:HA	14	0.68
(1,827)	1:407:A:LEU:HD23	1:478:A:VAL:HA	14	0.68
(1,817)	1:425:A:PHE:HB3	1:426:A:MET:H	8	0.68
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	20	0.68
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	20	0.68
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	20	0.68
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	15	0.68
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	15	0.68
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	15	0.68
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	15	0.68
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	15	0.68
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	15	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	15	0.68
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	2	0.68
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	14	0.68
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	14	0.68
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	14	0.68
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	3	0.68
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	3	0.68
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	3	0.68
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB1	19	0.68
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB2	19	0.68
(1,579)	1:459:A:ALA:H	1:459:A:ALA:HB3	19	0.68
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	6	0.68
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	6	0.68
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	6	0.68
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	7	0.68
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	7	0.68
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	7	0.68
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	7	0.68
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB1	3	0.68
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB2	3	0.68
(1,481)	1:462:A:ALA:H	1:462:A:ALA:HB3	3	0.68
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	2	0.68
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	2	0.68
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	2	0.68
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	13	0.68
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	13	0.68
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	13	0.68
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	13	0.68
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	19	0.68
(1,375)	1:468:A:GLY:H	1:475:A:ARG:HD3	1	0.68
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	10	0.68
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	1	0.68
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	1	0.68
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	1	0.68
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	4	0.68
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	4	0.68
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	4	0.68
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	5	0.68
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	5	0.68
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	5	0.68
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	8	0.68
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	8	0.68
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	20	0.68
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	20	0.68
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	20	0.68
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	20	0.68
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	20	0.68
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	20	0.68
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	4	0.68
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	4	0.68
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	4	0.68
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	4	0.68
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	4	0.68
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	4	0.68
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	14	0.68
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	14	0.68
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	14	0.68
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	14	0.68
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	14	0.68
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	14	0.68
(1,192)	1:436:A:VAL:HG21	1:449:A:GLY:HA2	3	0.68
(1,192)	1:436:A:VAL:HG22	1:449:A:GLY:HA2	3	0.68
(1,192)	1:436:A:VAL:HG23	1:449:A:GLY:HA2	3	0.68
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	7	0.68
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	7	0.68
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	7	0.68
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	16	0.68
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	16	0.68
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	16	0.68
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	16	0.68
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	16	0.68
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	16	0.68
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	13	0.68
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	13	0.68
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	13	0.68
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	19	0.68
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	19	0.68
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	19	0.68
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	19	0.68
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	19	0.68
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	19	0.68
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	19	0.68
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	19	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	19	0.68
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	12	0.68
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	12	0.68
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	12	0.68
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	12	0.68
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	12	0.68
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	12	0.68
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	12	0.68
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	12	0.68
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	12	0.68
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	12	0.68
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	12	0.68
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	12	0.68
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	15	0.68
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	15	0.68
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	15	0.68
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	15	0.68
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	15	0.68
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	15	0.68
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	15	0.68
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	15	0.68
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	15	0.68
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	15	0.68
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	15	0.68
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	15	0.68
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	16	0.68
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	16	0.68
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	16	0.68
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	16	0.68
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	16	0.68
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	16	0.68
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	16	0.68
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	16	0.68
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	16	0.68
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	16	0.68
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	16	0.68
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	16	0.68
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	16	0.68
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	16	0.68
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	16	0.68
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	16	0.68
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	16	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	16	0.68
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	3	0.68
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	3	0.68
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	3	0.68
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	3	0.68
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	3	0.68
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	3	0.68
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	3	0.68
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	3	0.68
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	3	0.68
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	3	0.68
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	3	0.68
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	3	0.68
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	5	0.68
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	20	0.67
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	20	0.67
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	20	0.67
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	20	0.67
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	20	0.67
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	20	0.67
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	20	0.67
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	20	0.67
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	20	0.67
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	20	0.67
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	20	0.67
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	20	0.67
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	12	0.67
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	19	0.67
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	19	0.67
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	19	0.67
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	5	0.67
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	5	0.67
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	4	0.67
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	5	0.67
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	20	0.67
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	17	0.67
(1,2054)	1:400:A:GLU:HB3	1:406:A:ASN:HD21	9	0.67
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB2	20	0.67
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB3	20	0.67
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	13	0.67
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	13	0.67
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	12	0.67
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	11	0.67
(1,1782)	1:481:A:LYS:H	1:481:A:LYS:HB3	1	0.67
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	8	0.67
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	8	0.67
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	8	0.67
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	8	0.67
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	13	0.67
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	13	0.67
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	13	0.67
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	13	0.67
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	13	0.67
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	13	0.67
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	7	0.67
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	7	0.67
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	7	0.67
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	17	0.67
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	17	0.67
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	17	0.67
(1,1439)	1:418:A:ASP:HB2	1:435:A:LYS:HA	13	0.67
(1,1343)	1:426:A:MET:HG2	1:431:A:VAL:H	11	0.67
(1,1343)	1:426:A:MET:HG3	1:431:A:VAL:H	11	0.67
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	19	0.67
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	19	0.67
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	1	0.67
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	1	0.67
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	1	0.67
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	1	0.67
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	1	0.67
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	1	0.67
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG2	3	0.67
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG3	3	0.67
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	17	0.67
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	3	0.67
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	11	0.67
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	10	0.67
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	10	0.67
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	10	0.67
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	10	0.67
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	1	0.67
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	1	0.67
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	1	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	9	0.67
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	9	0.67
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	9	0.67
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	11	0.67
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	11	0.67
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	11	0.67
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	11	0.67
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	11	0.67
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	11	0.67
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	11	0.67
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	11	0.67
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	11	0.67
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	17	0.67
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	18	0.67
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	18	0.67
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	18	0.67
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	10	0.67
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	10	0.67
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	10	0.67
(1,826)	1:407:A:LEU:HB3	1:478:A:VAL:HA	18	0.67
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	5	0.67
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	5	0.67
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	5	0.67
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	8	0.67
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	8	0.67
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	8	0.67
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	9	0.67
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	9	0.67
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	9	0.67
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	9	0.67
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	9	0.67
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	9	0.67
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	10	0.67
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	10	0.67
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	10	0.67
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	1	0.67
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	1	0.67
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	1	0.67
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	4	0.67
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	4	0.67
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	4	0.67
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	5	0.67
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	5	0.67
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	20	0.67
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	20	0.67
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	20	0.67
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	11	0.67
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	11	0.67
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	11	0.67
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	11	0.67
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	9	0.67
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	9	0.67
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	14	0.67
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	14	0.67
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	2	0.67
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	2	0.67
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	2	0.67
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	2	0.67
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	10	0.67
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	10	0.67
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	10	0.67
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	10	0.67
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	15	0.67
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	15	0.67
(1,375)	1:468:A:GLY:H	1:475:A:ARG:HD3	17	0.67
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	7	0.67
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	7	0.67
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	7	0.67
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	15	0.67
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	15	0.67
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	15	0.67
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	2	0.67
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	2	0.67
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	2	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	2	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	2	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	2	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	2	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	2	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	2	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	5	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	5	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	5	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	5	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	5	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	6	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	6	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	6	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	6	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	6	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	6	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	9	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	9	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	9	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	9	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	9	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	9	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG11	20	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG12	20	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG13	20	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG21	20	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG22	20	0.67
(1,208)	1:457:A:VAL:HA	1:457:A:VAL:HG23	20	0.67
(1,200)	1:404:A:GLY:HA2	1:456:A:PRO:HB3	18	0.67
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	1	0.67
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	1	0.67
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	1	0.67
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	12	0.67
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	12	0.67
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	12	0.67
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	12	0.67
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	12	0.67
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	12	0.67
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	16	0.67
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	8	0.67
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	18	0.67
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	15	0.66
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	9	0.66
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	9	0.66
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	10	0.66
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	19	0.66
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	12	0.66
(1,2141)	1:445:A:SER:H	1:445:A:SER:HB2	10	0.66
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	2	0.66
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	7	0.66
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	8	0.66
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	16	0.66
(1,1956)	1:407:A:LEU:HD11	1:459:A:ALA:H	9	0.66
(1,1956)	1:407:A:LEU:HD12	1:459:A:ALA:H	9	0.66
(1,1956)	1:407:A:LEU:HD13	1:459:A:ALA:H	9	0.66
(1,1956)	1:407:A:LEU:HD21	1:459:A:ALA:H	9	0.66
(1,1956)	1:407:A:LEU:HD22	1:459:A:ALA:H	9	0.66
(1,1956)	1:407:A:LEU:HD23	1:459:A:ALA:H	9	0.66
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	10	0.66
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	18	0.66
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	9	0.66
(1,1782)	1:481:A:LYS:H	1:481:A:LYS:HB3	14	0.66
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	2	0.66
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	18	0.66
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	6	0.66
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	6	0.66
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	13	0.66
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	16	0.66
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	17	0.66
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	9	0.66
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	11	0.66
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	11	0.66
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	4	0.66
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	20	0.66
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	14	0.66
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG2	12	0.66
(1,1346)	1:416:A:PHE:HE1	1:424:A:MET:HG3	12	0.66
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG2	12	0.66
(1,1346)	1:416:A:PHE:HE2	1:424:A:MET:HG3	12	0.66
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	14	0.66
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	14	0.66
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	14	0.66
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	14	0.66
(1,1251)	1:446:A:LYS:HB2	1:448:A:PHE:HD1	13	0.66
(1,1251)	1:446:A:LYS:HB2	1:448:A:PHE:HD2	13	0.66
(1,1251)	1:446:A:LYS:HB3	1:448:A:PHE:HD1	13	0.66
(1,1251)	1:446:A:LYS:HB3	1:448:A:PHE:HD2	13	0.66
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	17	0.66
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	17	0.66
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	11	0.66
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	11	0.66
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	11	0.66
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	14	0.66
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	9	0.66
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	9	0.66
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	9	0.66
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	9	0.66
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	9	0.66
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	9	0.66
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	18	0.66
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	19	0.66
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	20	0.66
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG2	11	0.66
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG3	11	0.66
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	3	0.66
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	3	0.66
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	3	0.66
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	3	0.66
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	20	0.66
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	4	0.66
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	4	0.66
(1,984)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	4	0.66
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	4	0.66
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	4	0.66
(1,984)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	4	0.66
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	4	0.66
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	4	0.66
(1,984)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	4	0.66
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	7	0.66
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	7	0.66
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	7	0.66
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	7	0.66
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	7	0.66
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	7	0.66
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	7	0.66
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	7	0.66
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	7	0.66
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	15	0.66
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	15	0.66
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	15	0.66
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	15	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	15	0.66
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	15	0.66
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	15	0.66
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	15	0.66
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	15	0.66
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	20	0.66
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	20	0.66
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	20	0.66
(1,827)	1:407:A:LEU:HD11	1:478:A:VAL:HA	16	0.66
(1,827)	1:407:A:LEU:HD12	1:478:A:VAL:HA	16	0.66
(1,827)	1:407:A:LEU:HD13	1:478:A:VAL:HA	16	0.66
(1,827)	1:407:A:LEU:HD21	1:478:A:VAL:HA	16	0.66
(1,827)	1:407:A:LEU:HD22	1:478:A:VAL:HA	16	0.66
(1,827)	1:407:A:LEU:HD23	1:478:A:VAL:HA	16	0.66
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	11	0.66
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	11	0.66
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	11	0.66
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	5	0.66
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD11	3	0.66
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD12	3	0.66
(1,770)	1:409:A:ILE:H	1:409:A:ILE:HD13	3	0.66
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	14	0.66
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	14	0.66
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	14	0.66
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG21	15	0.66
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG22	15	0.66
(1,695)	1:438:A:ILE:HA	1:438:A:ILE:HG23	15	0.66
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	10	0.66
(1,680)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	10	0.66
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	10	0.66
(1,680)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	10	0.66
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	10	0.66
(1,680)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	10	0.66
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	11	0.66
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	11	0.66
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	11	0.66
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	20	0.66
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	5	0.66
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	5	0.66
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	5	0.66
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	7	0.66
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	7	0.66
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	12	0.66
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	12	0.66
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	12	0.66
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	10	0.66
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	10	0.66
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	10	0.66
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	20	0.66
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	20	0.66
(1,395)	1:405:A:ALA:HB1	1:452:A:SER:HB2	4	0.66
(1,395)	1:405:A:ALA:HB2	1:452:A:SER:HB2	4	0.66
(1,395)	1:405:A:ALA:HB3	1:452:A:SER:HB2	4	0.66
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	12	0.66
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	16	0.66
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	16	0.66
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	16	0.66
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	16	0.66
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	16	0.66
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	16	0.66
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	8	0.66
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	8	0.66
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	8	0.66
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB1	19	0.66
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB2	19	0.66
(1,274)	1:434:A:ALA:H	1:434:A:ALA:HB3	19	0.66
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	16	0.66
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	16	0.66
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	16	0.66
(1,201)	1:404:A:GLY:HA3	1:456:A:PRO:HB3	4	0.66
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	8	0.66
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	8	0.66
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	8	0.66
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	20	0.66
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	20	0.66
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	20	0.66
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	1	0.66
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	1	0.66
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	1	0.66
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	1	0.66
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	1	0.66
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	1	0.66
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	3	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	3	0.66
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	3	0.66
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	3	0.66
(1,41)	1:407:A:LEU:HD11	1:452:A:SER:H	1	0.66
(1,41)	1:407:A:LEU:HD12	1:452:A:SER:H	1	0.66
(1,41)	1:407:A:LEU:HD13	1:452:A:SER:H	1	0.66
(1,41)	1:407:A:LEU:HD21	1:452:A:SER:H	1	0.66
(1,41)	1:407:A:LEU:HD22	1:452:A:SER:H	1	0.66
(1,41)	1:407:A:LEU:HD23	1:452:A:SER:H	1	0.66
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	1	0.66
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	11	0.65
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	14	0.65
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	14	0.65
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD1	3	0.65
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD2	3	0.65
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD1	3	0.65
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD2	3	0.65
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD1	3	0.65
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD2	3	0.65
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD1	3	0.65
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD2	3	0.65
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD1	3	0.65
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD2	3	0.65
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD1	3	0.65
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD2	3	0.65
(1,2319)	1:448:A:PHE:HB2	1:449:A:GLY:H	12	0.65
(1,2319)	1:448:A:PHE:HB3	1:449:A:GLY:H	12	0.65
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	18	0.65
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	19	0.65
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	1	0.65
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	1	0.65
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	18	0.65
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	18	0.65
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	9	0.65
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	9	0.65
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	6	0.65
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	15	0.65
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	11	0.65
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	11	0.65
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	14	0.65
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	19	0.65
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	6	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	10	0.65
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	16	0.65
(1,2031)	1:482:A:ARG:HB3	1:483:A:SER:H	17	0.65
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	3	0.65
(1,1956)	1:407:A:LEU:HD11	1:459:A:ALA:H	2	0.65
(1,1956)	1:407:A:LEU:HD12	1:459:A:ALA:H	2	0.65
(1,1956)	1:407:A:LEU:HD13	1:459:A:ALA:H	2	0.65
(1,1956)	1:407:A:LEU:HD21	1:459:A:ALA:H	2	0.65
(1,1956)	1:407:A:LEU:HD22	1:459:A:ALA:H	2	0.65
(1,1956)	1:407:A:LEU:HD23	1:459:A:ALA:H	2	0.65
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	12	0.65
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	12	0.65
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	3	0.65
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	5	0.65
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	6	0.65
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	6	0.65
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	18	0.65
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	19	0.65
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	19	0.65
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	9	0.65
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	18	0.65
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	4	0.65
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	7	0.65
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	7	0.65
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	7	0.65
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD11	13	0.65
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD12	13	0.65
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD13	13	0.65
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD11	13	0.65
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD12	13	0.65
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD13	13	0.65
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	9	0.65
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	9	0.65
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	17	0.65
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	17	0.65
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	4	0.65
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	12	0.65
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	12	0.65
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	7	0.65
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	7	0.65
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	2	0.65
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG2	10	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG3	10	0.65
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	1	0.65
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	13	0.65
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	13	0.65
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	13	0.65
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	16	0.65
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	16	0.65
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	16	0.65
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	17	0.65
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	17	0.65
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	17	0.65
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	17	0.65
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	17	0.65
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	17	0.65
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	17	0.65
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	17	0.65
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	17	0.65
(1,873)	1:451:A:VAL:HA	1:452:A:SER:HB3	7	0.65
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	13	0.65
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	13	0.65
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	2	0.65
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	2	0.65
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	2	0.65
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	6	0.65
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	6	0.65
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	6	0.65
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	14	0.65
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	14	0.65
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	14	0.65
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	2	0.65
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	2	0.65
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	2	0.65
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG11	9	0.65
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG12	9	0.65
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG13	9	0.65
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	15	0.65
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	15	0.65
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	15	0.65
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	20	0.65
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	20	0.65
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	20	0.65
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	3	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	3	0.65
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	3	0.65
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	3	0.65
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	3	0.65
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	3	0.65
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	3	0.65
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	3	0.65
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	3	0.65
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	9	0.65
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	8	0.65
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	8	0.65
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	15	0.65
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	15	0.65
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	15	0.65
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	15	0.65
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	2	0.65
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	2	0.65
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	3	0.65
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	3	0.65
(1,375)	1:468:A:GLY:H	1:475:A:ARG:HD3	4	0.65
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	8	0.65
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	3	0.65
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	3	0.65
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	3	0.65
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	3	0.65
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	3	0.65
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	3	0.65
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	3	0.65
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	3	0.65
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	3	0.65
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	5	0.65
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	5	0.65
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	5	0.65
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	5	0.65
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	5	0.65
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	5	0.65
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	5	0.65
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	5	0.65
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	5	0.65
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	7	0.65
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	7	0.65
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	7	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	7	0.65
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	7	0.65
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	7	0.65
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	2	0.65
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	2	0.65
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	2	0.65
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	2	0.65
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	2	0.65
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	2	0.65
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	8	0.65
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	8	0.65
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	8	0.65
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	8	0.65
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	8	0.65
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	8	0.65
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	14	0.65
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	14	0.65
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	14	0.65
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	14	0.65
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	14	0.65
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	14	0.65
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	16	0.65
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	16	0.65
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	16	0.65
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	6	0.65
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	6	0.65
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	6	0.65
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	6	0.65
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	6	0.65
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	6	0.65
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	14	0.65
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	14	0.65
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	14	0.65
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	14	0.65
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	14	0.65
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	14	0.65
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	8	0.65
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	8	0.65
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	8	0.65
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	8	0.65
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	8	0.65
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	8	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	8	0.65
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	8	0.65
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	8	0.65
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	8	0.65
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	8	0.65
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	8	0.65
(1,99)	1:412:A:LEU:H	1:476:A:LEU:HD11	20	0.65
(1,99)	1:412:A:LEU:H	1:476:A:LEU:HD12	20	0.65
(1,99)	1:412:A:LEU:H	1:476:A:LEU:HD13	20	0.65
(1,99)	1:412:A:LEU:H	1:476:A:LEU:HD21	20	0.65
(1,99)	1:412:A:LEU:H	1:476:A:LEU:HD22	20	0.65
(1,99)	1:412:A:LEU:H	1:476:A:LEU:HD23	20	0.65
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	4	0.65
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	4	0.65
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	16	0.65
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	18	0.64
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	18	0.64
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	18	0.64
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	18	0.64
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	18	0.64
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	18	0.64
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	18	0.64
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	18	0.64
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	18	0.64
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	18	0.64
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	18	0.64
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	18	0.64
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD1	7	0.64
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD2	7	0.64
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	5	0.64
(1,2271)	1:443:A:ASN:HA	1:443:A:ASN:HD21	8	0.64
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB2	8	0.64
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB3	8	0.64
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	8	0.64
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	9	0.64
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	3	0.64
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	6	0.64
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	19	0.64
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	4	0.64
(1,2031)	1:482:A:ARG:HB3	1:483:A:SER:H	9	0.64
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	20	0.64
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	14	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	12	0.64
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	12	0.64
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	7	0.64
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	7	0.64
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	8	0.64
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	11	0.64
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	16	0.64
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	15	0.64
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	19	0.64
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	20	0.64
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	7	0.64
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	7	0.64
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	8	0.64
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	8	0.64
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	19	0.64
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	19	0.64
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	19	0.64
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	5	0.64
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	5	0.64
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	20	0.64
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	20	0.64
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD2	4	0.64
(1,1587)	1:425:A:PHE:H	1:427:A:PRO:HD3	4	0.64
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	4	0.64
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	4	0.64
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	19	0.64
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	18	0.64
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	18	0.64
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	18	0.64
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	18	0.64
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	5	0.64
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	5	0.64
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	5	0.64
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	17	0.64
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	17	0.64
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	17	0.64
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	12	0.64
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	4	0.64
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	11	0.64
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	3	0.64
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	3	0.64
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	3	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	7	0.64
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	7	0.64
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	19	0.64
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	19	0.64
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	19	0.64
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	4	0.64
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	4	0.64
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	4	0.64
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	10	0.64
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	10	0.64
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	10	0.64
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	17	0.64
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	17	0.64
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	17	0.64
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	10	0.64
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	10	0.64
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	10	0.64
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	6	0.64
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	6	0.64
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	6	0.64
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	6	0.64
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	6	0.64
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	6	0.64
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	18	0.64
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	18	0.64
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	18	0.64
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	18	0.64
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	18	0.64
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	18	0.64
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	12	0.64
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	12	0.64
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	12	0.64
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	9	0.64
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	14	0.64
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	2	0.64
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	15	0.64
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	15	0.64
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	15	0.64
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	10	0.64
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	10	0.64
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	1	0.64
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	1	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	1	0.64
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	1	0.64
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG21	8	0.64
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG22	8	0.64
(1,356)	1:409:A:ILE:HA	1:409:A:ILE:HG23	8	0.64
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	1	0.64
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	1	0.64
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	1	0.64
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG21	18	0.64
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG22	18	0.64
(1,233)	1:425:A:PHE:HE1	1:451:A:VAL:HG23	18	0.64
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG21	18	0.64
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG22	18	0.64
(1,233)	1:425:A:PHE:HE2	1:451:A:VAL:HG23	18	0.64
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	6	0.64
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	6	0.64
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	6	0.64
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	12	0.64
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	12	0.64
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	12	0.64
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	12	0.64
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	12	0.64
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	12	0.64
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	8	0.64
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	8	0.64
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	8	0.64
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	8	0.64
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	8	0.64
(1,135)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	8	0.64
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	10	0.64
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	10	0.64
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	19	0.64
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	19	0.64
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	13	0.64
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	8	0.64
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	8	0.64
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	7	0.63
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	7	0.63
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	7	0.63
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	7	0.63
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	7	0.63
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	7	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	7	0.63
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	7	0.63
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	7	0.63
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	7	0.63
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	7	0.63
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	7	0.63
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	6	0.63
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	6	0.63
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	6	0.63
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	2	0.63
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	6	0.63
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	1	0.63
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	17	0.63
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	19	0.63
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	20	0.63
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	18	0.63
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	15	0.63
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	3	0.63
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	4	0.63
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	11	0.63
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	15	0.63
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	13	0.63
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	5	0.63
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	16	0.63
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	5	0.63
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	20	0.63
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	11	0.63
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	17	0.63
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	11	0.63
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	11	0.63
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	11	0.63
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	11	0.63
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	15	0.63
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG11	19	0.63
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG12	19	0.63
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG13	19	0.63
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	11	0.63
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	11	0.63
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	6	0.63
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	6	0.63
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	6	0.63
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	11	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	17	0.63
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	17	0.63
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD1	8	0.63
(1,1348)	1:424:A:MET:HG2	1:425:A:PHE:HD2	8	0.63
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD1	8	0.63
(1,1348)	1:424:A:MET:HG3	1:425:A:PHE:HD2	8	0.63
(1,1343)	1:426:A:MET:HG2	1:431:A:VAL:H	10	0.63
(1,1343)	1:426:A:MET:HG3	1:431:A:VAL:H	10	0.63
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD2	19	0.63
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD3	19	0.63
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	9	0.63
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	9	0.63
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	9	0.63
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	9	0.63
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG2	4	0.63
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG3	4	0.63
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	5	0.63
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG2	12	0.63
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG3	12	0.63
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB2	12	0.63
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB3	12	0.63
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	13	0.63
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	4	0.63
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	4	0.63
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	4	0.63
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	6	0.63
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	6	0.63
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	6	0.63
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	4	0.63
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	13	0.63
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	13	0.63
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	13	0.63
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	13	0.63
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	18	0.63
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	18	0.63
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	18	0.63
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	16	0.63
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	16	0.63
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	16	0.63
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	2	0.63
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	2	0.63
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	2	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	2	0.63
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	2	0.63
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	2	0.63
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	9	0.63
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	9	0.63
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	9	0.63
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	10	0.63
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	19	0.63
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	19	0.63
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	19	0.63
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	19	0.63
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	20	0.63
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	20	0.63
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	20	0.63
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	20	0.63
(1,426)	1:433:A:SER:HB2	1:452:A:SER:HB3	15	0.63
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	4	0.63
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	4	0.63
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	19	0.63
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	19	0.63
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD11	18	0.63
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD12	18	0.63
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD13	18	0.63
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD21	18	0.63
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD22	18	0.63
(1,353)	1:405:A:ALA:HB1	1:407:A:LEU:HD23	18	0.63
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD11	18	0.63
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD12	18	0.63
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD13	18	0.63
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD21	18	0.63
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD22	18	0.63
(1,353)	1:405:A:ALA:HB2	1:407:A:LEU:HD23	18	0.63
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD11	18	0.63
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD12	18	0.63
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD13	18	0.63
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD21	18	0.63
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD22	18	0.63
(1,353)	1:405:A:ALA:HB3	1:407:A:LEU:HD23	18	0.63
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	5	0.63
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	5	0.63
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	5	0.63
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	5	0.63
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	5	0.63
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	7	0.63
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	7	0.63
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	10	0.63
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	10	0.63
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	10	0.63
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	10	0.63
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	10	0.63
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	10	0.63
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	15	0.63
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	15	0.63
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	15	0.63
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	15	0.63
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	15	0.63
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	15	0.63
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD11	20	0.63
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD12	20	0.63
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD13	20	0.63
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD21	20	0.63
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD22	20	0.63
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD23	20	0.63
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD11	20	0.63
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD12	20	0.63
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD13	20	0.63
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD21	20	0.63
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD22	20	0.63
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD23	20	0.63
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	16	0.63
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	16	0.63
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	17	0.63
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	17	0.63
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	17	0.63
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	17	0.63
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	17	0.63
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	17	0.63
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	17	0.63
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	17	0.63
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	17	0.63
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	17	0.63
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	17	0.63
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	17	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	7	0.63
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	10	0.62
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	13	0.62
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	11	0.62
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	15	0.62
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	14	0.62
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	11	0.62
(1,2141)	1:445:A:SER:H	1:445:A:SER:HB2	7	0.62
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	13	0.62
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	16	0.62
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	7	0.62
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	4	0.62
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	11	0.62
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	4	0.62
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	11	0.62
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	20	0.62
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	1	0.62
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	18	0.62
(1,1925)	1:452:A:SER:HB2	1:453:A:TYR:H	18	0.62
(1,1877)	1:416:A:PHE:H	1:416:A:PHE:HB2	14	0.62
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	13	0.62
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	20	0.62
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	20	0.62
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	20	0.62
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	20	0.62
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	11	0.62
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	11	0.62
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	9	0.62
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	9	0.62
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	10	0.62
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	10	0.62
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	10	0.62
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	10	0.62
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	10	0.62
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	10	0.62
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	16	0.62
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	12	0.62
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	3	0.62
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	3	0.62
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	3	0.62
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	3	0.62
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	5	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	5	0.62
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	5	0.62
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	5	0.62
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	16	0.62
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	16	0.62
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	16	0.62
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	16	0.62
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD2	3	0.62
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD3	3	0.62
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD2	3	0.62
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD3	3	0.62
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	16	0.62
(1,1171)	1:398:A:GLN:HG2	1:433:A:SER:HB3	15	0.62
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	8	0.62
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	13	0.62
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	13	0.62
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	13	0.62
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	17	0.62
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	17	0.62
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	17	0.62
(1,924)	1:400:A:GLU:HG3	1:452:A:SER:HB3	2	0.62
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	14	0.62
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	8	0.62
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	8	0.62
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	8	0.62
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	8	0.62
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	8	0.62
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	8	0.62
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	8	0.62
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	8	0.62
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	8	0.62
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	12	0.62
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	12	0.62
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	12	0.62
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	5	0.62
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	5	0.62
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	5	0.62
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	2	0.62
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	1	0.62
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	11	0.62
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	14	0.62
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	14	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	14	0.62
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	14	0.62
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	14	0.62
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	14	0.62
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	14	0.62
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	14	0.62
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	14	0.62
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	14	0.62
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	14	0.62
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	14	0.62
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	4	0.62
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	4	0.62
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	4	0.62
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	4	0.62
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	4	0.62
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	4	0.62
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	11	0.62
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	11	0.62
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	1	0.62
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	1	0.62
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	1	0.62
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	1	0.62
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	1	0.62
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	1	0.62
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	1	0.62
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	1	0.62
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	1	0.62
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	2	0.62
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	2	0.62
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	2	0.62
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	2	0.62
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	2	0.62
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	2	0.62
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	2	0.62
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	2	0.62
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	2	0.62
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	5	0.62
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	5	0.62
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	5	0.62
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	15	0.62
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	15	0.62
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	20	0.62
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	20	0.62
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	20	0.62
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	9	0.62
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	9	0.62
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	9	0.62
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	9	0.62
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	9	0.62
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	9	0.62
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	10	0.62
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	10	0.62
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	10	0.62
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	10	0.62
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	10	0.62
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	10	0.62
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	16	0.62
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	16	0.62
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	2	0.61
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	2	0.61
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	2	0.61
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	1	0.61
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	14	0.61
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	16	0.61
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	3	0.61
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	17	0.61
(1,2179)	1:412:A:LEU:H	1:448:A:PHE:HA	12	0.61
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	4	0.61
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	10	0.61
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	18	0.61
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	20	0.61
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	14	0.61
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	17	0.61
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	8	0.61
(1,1956)	1:407:A:LEU:HD11	1:459:A:ALA:H	12	0.61
(1,1956)	1:407:A:LEU:HD12	1:459:A:ALA:H	12	0.61
(1,1956)	1:407:A:LEU:HD13	1:459:A:ALA:H	12	0.61
(1,1956)	1:407:A:LEU:HD21	1:459:A:ALA:H	12	0.61
(1,1956)	1:407:A:LEU:HD22	1:459:A:ALA:H	12	0.61
(1,1956)	1:407:A:LEU:HD23	1:459:A:ALA:H	12	0.61
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	8	0.61
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	8	0.61
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	1	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	11	0.61
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	7	0.61
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	13	0.61
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	20	0.61
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	20	0.61
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	20	0.61
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	20	0.61
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	20	0.61
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	20	0.61
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	20	0.61
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	20	0.61
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	20	0.61
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	20	0.61
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	20	0.61
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	20	0.61
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	14	0.61
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	1	0.61
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	1	0.61
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	1	0.61
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	1	0.61
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	10	0.61
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	10	0.61
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	10	0.61
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	10	0.61
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	16	0.61
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	16	0.61
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	16	0.61
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	16	0.61
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	17	0.61
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	18	0.61
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	18	0.61
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	2	0.61
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	2	0.61
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	13	0.61
(1,1490)	1:481:A:LYS:HA	1:481:A:LYS:HD2	3	0.61
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	13	0.61
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	13	0.61
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	13	0.61
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	1	0.61
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	1	0.61
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	1	0.61
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	1	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	2	0.61
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	2	0.61
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	2	0.61
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	2	0.61
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	4	0.61
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	4	0.61
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	4	0.61
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	4	0.61
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	6	0.61
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	6	0.61
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	6	0.61
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	6	0.61
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	8	0.61
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	8	0.61
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	8	0.61
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	8	0.61
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	20	0.61
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	20	0.61
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE1	9	0.61
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE2	9	0.61
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE1	9	0.61
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE2	9	0.61
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	12	0.61
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	12	0.61
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	12	0.61
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	15	0.61
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	15	0.61
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	15	0.61
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	13	0.61
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	17	0.61
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	19	0.61
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	11	0.61
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	11	0.61
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	11	0.61
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG11	1	0.61
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG12	1	0.61
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG13	1	0.61
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	4	0.61
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	14	0.61
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	17	0.61
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	13	0.61
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	13	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	18	0.61
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	18	0.61
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	18	0.61
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	18	0.61
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	12	0.61
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	12	0.61
(1,370)	1:407:A:LEU:HD11	1:452:A:SER:HB2	4	0.61
(1,370)	1:407:A:LEU:HD12	1:452:A:SER:HB2	4	0.61
(1,370)	1:407:A:LEU:HD13	1:452:A:SER:HB2	4	0.61
(1,370)	1:407:A:LEU:HD21	1:452:A:SER:HB2	4	0.61
(1,370)	1:407:A:LEU:HD22	1:452:A:SER:HB2	4	0.61
(1,370)	1:407:A:LEU:HD23	1:452:A:SER:HB2	4	0.61
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	10	0.61
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	10	0.61
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	10	0.61
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	10	0.61
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	10	0.61
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	10	0.61
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	10	0.61
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	10	0.61
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	10	0.61
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	20	0.61
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	20	0.61
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	20	0.61
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	20	0.61
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	20	0.61
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	20	0.61
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	20	0.61
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	20	0.61
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	20	0.61
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	4	0.61
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	4	0.61
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	4	0.61
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	10	0.61
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	10	0.61
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	10	0.61
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	6	0.61
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	6	0.61
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	6	0.61
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	6	0.61
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	6	0.61
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	17	0.61
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	17	0.61
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	17	0.61
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	6	0.61
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	6	0.61
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	6	0.61
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB2	16	0.61
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB3	16	0.61
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	13	0.61
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	13	0.61
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	13	0.61
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	13	0.61
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	13	0.61
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	13	0.61
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	10	0.61
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	10	0.61
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	10	0.61
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	10	0.61
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	10	0.61
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	10	0.61
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	10	0.61
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	10	0.61
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	10	0.61
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	10	0.61
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	10	0.61
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	10	0.61
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	2	0.61
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	2	0.61
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	2	0.61
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	2	0.61
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	2	0.61
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	2	0.61
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	2	0.61
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	2	0.61
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	2	0.61
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	2	0.61
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	2	0.61
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	2	0.61
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	2	0.61
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	2	0.61
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	2	0.61
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	2	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	2	0.61
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	2	0.61
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG2	4	0.6
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG3	4	0.6
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG2	4	0.6
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG3	4	0.6
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD1	20	0.6
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD2	20	0.6
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	13	0.6
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	13	0.6
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	13	0.6
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	13	0.6
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	13	0.6
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	13	0.6
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	13	0.6
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	13	0.6
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	13	0.6
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	13	0.6
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	13	0.6
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	13	0.6
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	2	0.6
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	2	0.6
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	2	0.6
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	2	0.6
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	2	0.6
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	2	0.6
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	2	0.6
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	2	0.6
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	2	0.6
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	2	0.6
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	2	0.6
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	2	0.6
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	20	0.6
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	20	0.6
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	20	0.6
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB2	17	0.6
(1,2300)	1:466:A:MET:H	1:466:A:MET:HB3	17	0.6
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	12	0.6
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	3	0.6
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	12	0.6
(1,1993)	1:484:A:LYS:HG2	1:485:A:ASN:H	2	0.6
(1,1993)	1:484:A:LYS:HG3	1:485:A:ASN:H	2	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1956)	1:407:A:LEU:HD11	1:459:A:ALA:H	5	0.6
(1,1956)	1:407:A:LEU:HD12	1:459:A:ALA:H	5	0.6
(1,1956)	1:407:A:LEU:HD13	1:459:A:ALA:H	5	0.6
(1,1956)	1:407:A:LEU:HD21	1:459:A:ALA:H	5	0.6
(1,1956)	1:407:A:LEU:HD22	1:459:A:ALA:H	5	0.6
(1,1956)	1:407:A:LEU:HD23	1:459:A:ALA:H	5	0.6
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	11	0.6
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	10	0.6
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	10	0.6
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	9	0.6
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	14	0.6
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	7	0.6
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	11	0.6
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	5	0.6
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	7	0.6
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	10	0.6
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	10	0.6
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	10	0.6
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	10	0.6
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	9	0.6
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	9	0.6
(1,1700)	1:432:A:ILE:HG12	1:454:A:ASP:HA	14	0.6
(1,1700)	1:432:A:ILE:HG13	1:454:A:ASP:HA	14	0.6
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	8	0.6
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	16	0.6
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	12	0.6
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	7	0.6
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	7	0.6
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	18	0.6
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	18	0.6
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	18	0.6
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	18	0.6
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	18	0.6
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	18	0.6
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	4	0.6
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	4	0.6
(1,1545)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	4	0.6
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	6	0.6
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	15	0.6
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	15	0.6
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	15	0.6
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	14	0.6
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB2	6	0.6
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB3	6	0.6
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	12	0.6
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	12	0.6
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	12	0.6
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	12	0.6
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	19	0.6
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	19	0.6
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	19	0.6
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	19	0.6
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	13	0.6
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	13	0.6
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	13	0.6
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	1	0.6
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	6	0.6
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	14	0.6
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	8	0.6
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	9	0.6
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	9	0.6
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	1	0.6
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	1	0.6
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	4	0.6
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	2	0.6
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	2	0.6
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	2	0.6
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	11	0.6
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	11	0.6
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	2	0.6
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	2	0.6
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	2	0.6
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	5	0.6
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	18	0.6
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	18	0.6
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	18	0.6
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	20	0.6
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	8	0.6
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	8	0.6
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	2	0.6
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	2	0.6
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	2	0.6
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	2	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	11	0.6
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	5	0.6
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	5	0.6
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	11	0.6
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	11	0.6
(1,375)	1:468:A:GLY:H	1:475:A:ARG:HD3	10	0.6
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	6	0.6
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	6	0.6
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	6	0.6
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	6	0.6
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	6	0.6
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	6	0.6
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	6	0.6
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	6	0.6
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	6	0.6
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	9	0.6
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	9	0.6
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	9	0.6
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	9	0.6
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	9	0.6
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	9	0.6
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	9	0.6
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	9	0.6
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	9	0.6
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	10	0.6
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	10	0.6
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	10	0.6
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	8	0.6
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	8	0.6
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	8	0.6
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	10	0.6
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	10	0.6
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	10	0.6
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	10	0.6
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	10	0.6
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	10	0.6
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	5	0.6
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	5	0.6
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	5	0.6
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	5	0.6
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	5	0.6
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	5	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	10	0.6
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	10	0.6
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	10	0.6
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	10	0.6
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	10	0.6
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	10	0.6
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	6	0.6
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	6	0.6
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	12	0.6
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	12	0.6
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	12	0.6
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	12	0.6
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	12	0.6
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	12	0.6
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	12	0.6
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	12	0.6
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	12	0.6
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	12	0.6
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	12	0.6
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	12	0.6
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	12	0.6
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	12	0.6
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	12	0.6
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	12	0.6
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	12	0.6
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	12	0.6
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	19	0.6
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	19	0.6
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	19	0.6
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	19	0.6
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	19	0.6
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	19	0.6
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	19	0.6
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	19	0.6
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	19	0.6
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	19	0.6
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	19	0.6
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	19	0.6
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	19	0.6
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	19	0.6
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	19	0.6
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	19	0.6
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	19	0.6
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	5	0.6
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	5	0.6
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	5	0.6
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	5	0.6
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	5	0.6
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	5	0.6
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	5	0.6
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	5	0.6
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	5	0.6
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	5	0.6
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	5	0.6
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	5	0.6
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	9	0.6
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	13	0.59
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	13	0.59
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	13	0.59
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	13	0.59
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	8	0.59
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	8	0.59
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	8	0.59
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	8	0.59
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	8	0.59
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	8	0.59
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	8	0.59
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	8	0.59
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	8	0.59
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	8	0.59
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	8	0.59
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	8	0.59
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	17	0.59
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	17	0.59
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	17	0.59
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	17	0.59
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	17	0.59
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	17	0.59
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	17	0.59
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	17	0.59
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	17	0.59
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	17	0.59
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	17	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	17	0.59
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	3	0.59
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	2	0.59
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	8	0.59
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	17	0.59
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	20	0.59
(1,2141)	1:445:A:SER:H	1:445:A:SER:HB2	20	0.59
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	5	0.59
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	18	0.59
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	11	0.59
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	11	0.59
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	3	0.59
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	3	0.59
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	17	0.59
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	7	0.59
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	7	0.59
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	18	0.59
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	18	0.59
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	5	0.59
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	5	0.59
(1,1629)	1:405:A:ALA:HA	1:455:A:ASN:HA	14	0.59
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	7	0.59
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	6	0.59
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	6	0.59
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	16	0.59
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	16	0.59
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	15	0.59
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	20	0.59
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	7	0.59
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	7	0.59
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	7	0.59
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	7	0.59
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	13	0.59
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	13	0.59
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	13	0.59
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	13	0.59
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	14	0.59
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	14	0.59
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	7	0.59
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	4	0.59
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	4	0.59
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	13	0.59
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	20	0.59
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	20	0.59
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	20	0.59
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	20	0.59
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG2	18	0.59
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG3	18	0.59
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	9	0.59
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	5	0.59
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	10	0.59
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	15	0.59
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	15	0.59
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	15	0.59
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	7	0.59
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	7	0.59
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	7	0.59
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	14	0.59
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	14	0.59
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	14	0.59
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	14	0.59
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	14	0.59
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	14	0.59
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	14	0.59
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	14	0.59
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	14	0.59
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	1	0.59
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	1	0.59
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	1	0.59
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	3	0.59
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	3	0.59
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	3	0.59
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	15	0.59
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	15	0.59
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	15	0.59
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	16	0.59
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	16	0.59
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	16	0.59
(1,830)	1:438:A:ILE:HG21	1:443:A:ASN:HB2	3	0.59
(1,830)	1:438:A:ILE:HG22	1:443:A:ASN:HB2	3	0.59
(1,830)	1:438:A:ILE:HG23	1:443:A:ASN:HB2	3	0.59
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG11	15	0.59
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG12	15	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG13	15	0.59
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG21	18	0.59
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG22	18	0.59
(1,758)	1:431:A:VAL:HA	1:431:A:VAL:HG23	18	0.59
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	20	0.59
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	20	0.59
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	20	0.59
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	7	0.59
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	7	0.59
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	7	0.59
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	16	0.59
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	16	0.59
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	16	0.59
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	16	0.59
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	16	0.59
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	16	0.59
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	16	0.59
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	16	0.59
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	16	0.59
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	3	0.59
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	3	0.59
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	3	0.59
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	3	0.59
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	6	0.59
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	6	0.59
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	6	0.59
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	6	0.59
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	8	0.59
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	8	0.59
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	8	0.59
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	8	0.59
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	11	0.59
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	11	0.59
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	11	0.59
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	15	0.59
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	15	0.59
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	13	0.59
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	13	0.59
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	13	0.59
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	4	0.59
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	4	0.59
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	4	0.59
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	4	0.59
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	4	0.59
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	4	0.59
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	4	0.59
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	4	0.59
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	8	0.59
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	8	0.59
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	8	0.59
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	8	0.59
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	8	0.59
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	8	0.59
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	8	0.59
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	8	0.59
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	8	0.59
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	11	0.59
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	11	0.59
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	11	0.59
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	11	0.59
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	11	0.59
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	11	0.59
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	11	0.59
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	11	0.59
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	11	0.59
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	14	0.59
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	14	0.59
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	14	0.59
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	14	0.59
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	14	0.59
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	14	0.59
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	14	0.59
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	14	0.59
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	14	0.59
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	16	0.59
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	16	0.59
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	16	0.59
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	10	0.59
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	10	0.59
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	10	0.59
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	10	0.59
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	10	0.59
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	10	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	18	0.59
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	18	0.59
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	18	0.59
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	18	0.59
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	18	0.59
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	18	0.59
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	11	0.59
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	11	0.59
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	11	0.59
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	16	0.59
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	16	0.59
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	16	0.59
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	16	0.59
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	16	0.59
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	16	0.59
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	20	0.59
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	20	0.59
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	20	0.59
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	20	0.59
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	20	0.59
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	20	0.59
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	7	0.59
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	7	0.59
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	7	0.59
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	7	0.59
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	7	0.59
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	7	0.59
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	7	0.59
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	7	0.59
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	7	0.59
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	7	0.59
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	7	0.59
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	7	0.59
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	1	0.59
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	1	0.59
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	16	0.59
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	16	0.59
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	16	0.59
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	16	0.59
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	16	0.59
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	16	0.59
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	16	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	16	0.59
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	16	0.59
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	16	0.59
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	16	0.59
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	16	0.59
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	16	0.59
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	16	0.59
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	16	0.59
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	16	0.59
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	16	0.59
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	16	0.59
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	7	0.59
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	7	0.59
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	7	0.59
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	7	0.59
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	7	0.59
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	7	0.59
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	7	0.59
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	7	0.59
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	7	0.59
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	7	0.59
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	7	0.59
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	7	0.59
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	4	0.59
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	11	0.58
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	11	0.58
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	11	0.58
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	11	0.58
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	11	0.58
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	11	0.58
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	11	0.58
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	11	0.58
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	11	0.58
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	11	0.58
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	11	0.58
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	11	0.58
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD1	18	0.58
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD2	18	0.58
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	14	0.58
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	14	0.58
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	14	0.58
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	15	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	11	0.58
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	8	0.58
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	14	0.58
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	15	0.58
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	6	0.58
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	6	0.58
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	6	0.58
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	5	0.58
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	5	0.58
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	17	0.58
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	15	0.58
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	17	0.58
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	9	0.58
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	1	0.58
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	1	0.58
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	1	0.58
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	1	0.58
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	1	0.58
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	1	0.58
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	1	0.58
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	1	0.58
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	1	0.58
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	1	0.58
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	1	0.58
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	1	0.58
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	19	0.58
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	19	0.58
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	19	0.58
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	19	0.58
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	19	0.58
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	19	0.58
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	19	0.58
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	19	0.58
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	19	0.58
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	19	0.58
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	19	0.58
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	19	0.58
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	3	0.58
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	3	0.58
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	3	0.58
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	3	0.58
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	9	0.58
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	9	0.58
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	20	0.58
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	20	0.58
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	1	0.58
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	9	0.58
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	9	0.58
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	9	0.58
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	9	0.58
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	10	0.58
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	10	0.58
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	10	0.58
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	10	0.58
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD2	17	0.58
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD3	17	0.58
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD2	17	0.58
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD3	17	0.58
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	8	0.58
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	8	0.58
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	8	0.58
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE2	5	0.58
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE3	5	0.58
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	11	0.58
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	11	0.58
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	11	0.58
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	11	0.58
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	11	0.58
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	11	0.58
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	4	0.58
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG2	3	0.58
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG3	3	0.58
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG2	5	0.58
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG3	5	0.58
(1,1112)	1:423:A:GLN:H	1:423:A:GLN:HG3	10	0.58
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	6	0.58
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	6	0.58
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	6	0.58
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	6	0.58
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	11	0.58
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	9	0.58
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	9	0.58
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	15	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	15	0.58
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	15	0.58
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	10	0.58
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	10	0.58
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	10	0.58
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	16	0.58
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	16	0.58
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	16	0.58
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	15	0.58
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	15	0.58
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	15	0.58
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	16	0.58
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	13	0.58
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	9	0.58
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	5	0.58
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	5	0.58
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	5	0.58
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	5	0.58
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	14	0.58
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	14	0.58
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	14	0.58
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	14	0.58
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	19	0.58
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	19	0.58
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	19	0.58
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	19	0.58
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	8	0.58
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	8	0.58
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	8	0.58
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	15	0.58
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	1	0.58
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	1	0.58
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	3	0.58
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	3	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	3	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	3	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	3	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	3	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	4	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	4	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	4	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	4	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	6	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	6	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	6	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	6	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	11	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	11	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	11	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	11	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	15	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	15	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	15	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	15	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	16	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	16	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	16	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	16	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	17	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	17	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	17	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	17	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	18	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	18	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	18	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	18	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	19	0.58
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	19	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	19	0.58
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	19	0.58
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	3	0.58
(1,375)	1:468:A:GLY:H	1:475:A:ARG:HD3	3	0.58
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	12	0.58
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	12	0.58
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	12	0.58
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	12	0.58
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	12	0.58
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	12	0.58
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	12	0.58
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	12	0.58
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	12	0.58
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	19	0.58
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	19	0.58
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	19	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	19	0.58
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	19	0.58
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	19	0.58
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	19	0.58
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	19	0.58
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	19	0.58
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	12	0.58
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	12	0.58
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	12	0.58
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	3	0.58
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	3	0.58
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	3	0.58
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	3	0.58
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	3	0.58
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	3	0.58
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	11	0.58
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	11	0.58
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	11	0.58
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	14	0.58
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	13	0.58
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	13	0.58
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	13	0.58
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	13	0.58
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	13	0.58
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	13	0.58
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	6	0.58
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	6	0.58
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	6	0.58
(1,200)	1:404:A:GLY:HA2	1:456:A:PRO:HB3	12	0.58
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	16	0.58
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	16	0.58
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	16	0.58
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	13	0.58
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	13	0.58
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	13	0.58
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	13	0.58
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	13	0.58
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	13	0.58
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	19	0.58
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	19	0.58
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	19	0.58
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	19	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	19	0.58
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	19	0.58
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	5	0.57
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	5	0.57
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	18	0.57
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	18	0.57
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	4	0.57
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	3	0.57
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	5	0.57
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	20	0.57
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	17	0.57
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	1	0.57
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	20	0.57
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	1	0.57
(1,1936)	1:486:A:ASP:H	1:486:A:ASP:HB2	18	0.57
(1,1901)	1:418:A:ASP:H	1:418:A:ASP:HB3	13	0.57
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	18	0.57
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	18	0.57
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	13	0.57
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	8	0.57
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	10	0.57
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	4	0.57
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	17	0.57
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	15	0.57
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	15	0.57
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	15	0.57
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	15	0.57
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	15	0.57
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	15	0.57
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	15	0.57
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	15	0.57
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	15	0.57
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	15	0.57
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	15	0.57
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	15	0.57
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	4	0.57
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	19	0.57
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	19	0.57
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	19	0.57
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	19	0.57
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	4	0.57
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	15	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	15	0.57
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	2	0.57
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	2	0.57
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	20	0.57
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	20	0.57
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	20	0.57
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	20	0.57
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	19	0.57
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	19	0.57
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	19	0.57
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	19	0.57
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	19	0.57
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	19	0.57
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	14	0.57
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	14	0.57
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	14	0.57
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	3	0.57
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	3	0.57
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	3	0.57
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	3	0.57
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	11	0.57
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG2	17	0.57
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG3	17	0.57
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	17	0.57
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	17	0.57
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	17	0.57
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	13	0.57
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	9	0.57
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	9	0.57
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	9	0.57
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	9	0.57
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	20	0.57
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	20	0.57
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	20	0.57
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	20	0.57
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	17	0.57
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	17	0.57
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	2	0.57
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	5	0.57
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	20	0.57
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	20	0.57
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	5	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	18	0.57
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	18	0.57
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	15	0.57
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	15	0.57
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	15	0.57
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	8	0.57
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	8	0.57
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	8	0.57
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	11	0.57
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	11	0.57
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	11	0.57
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	5	0.57
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	5	0.57
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	5	0.57
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	11	0.57
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	11	0.57
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	11	0.57
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	14	0.57
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	14	0.57
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	14	0.57
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	5	0.57
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	16	0.57
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	16	0.57
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	16	0.57
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	20	0.57
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	20	0.57
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	1	0.57
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	1	0.57
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	1	0.57
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	1	0.57
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	4	0.57
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	4	0.57
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	4	0.57
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	4	0.57
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	12	0.57
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	12	0.57
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	12	0.57
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	12	0.57
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	16	0.57
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	16	0.57
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	16	0.57
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	16	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	5	0.57
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	5	0.57
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	5	0.57
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	5	0.57
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	14	0.57
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	14	0.57
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	14	0.57
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	14	0.57
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	20	0.57
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	20	0.57
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	20	0.57
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	20	0.57
(1,406)	1:482:A:ARG:HA	1:482:A:ARG:HD2	2	0.57
(1,406)	1:482:A:ARG:HA	1:482:A:ARG:HD3	2	0.57
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	2	0.57
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	2	0.57
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	2	0.57
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	13	0.57
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	13	0.57
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	13	0.57
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	13	0.57
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	13	0.57
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	13	0.57
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	13	0.57
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	13	0.57
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	13	0.57
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	15	0.57
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	15	0.57
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	15	0.57
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	15	0.57
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	15	0.57
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	15	0.57
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	15	0.57
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	15	0.57
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	15	0.57
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	17	0.57
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	17	0.57
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	17	0.57
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	17	0.57
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	17	0.57
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	17	0.57
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	17	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	17	0.57
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	17	0.57
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	13	0.57
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	13	0.57
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	13	0.57
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	13	0.57
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	13	0.57
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	13	0.57
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	4	0.57
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	4	0.57
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	4	0.57
(1,248)	1:478:A:VAL:HG11	1:479:A:GLN:H	14	0.57
(1,248)	1:478:A:VAL:HG12	1:479:A:GLN:H	14	0.57
(1,248)	1:478:A:VAL:HG13	1:479:A:GLN:H	14	0.57
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	20	0.57
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	20	0.57
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	20	0.57
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	12	0.57
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	12	0.57
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	12	0.57
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	1	0.57
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	1	0.57
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	1	0.57
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	1	0.57
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	1	0.57
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	1	0.57
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	1	0.57
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	1	0.57
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	1	0.57
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	1	0.57
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	1	0.57
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	1	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	6	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	6	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	6	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	6	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	6	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	6	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	7	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	7	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	7	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	7	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	7	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	7	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	14	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	14	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	14	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	14	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	14	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	14	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	17	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	17	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	17	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	17	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	17	0.57
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	17	0.57
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	5	0.57
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	5	0.57
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	5	0.57
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	5	0.57
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	5	0.57
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	5	0.57
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	12	0.57
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	12	0.57
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	12	0.57
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	12	0.57
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	12	0.57
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	12	0.57
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	12	0.57
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	12	0.57
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	12	0.57
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	12	0.57
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	12	0.57
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	12	0.57
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	12	0.57
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	12	0.57
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	4	0.56
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	4	0.56
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	4	0.56
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	13	0.56
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	11	0.56
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	17	0.56
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	17	0.56
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	2	0.56
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	9	0.56
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	4	0.56
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	10	0.56
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	14	0.56
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	4	0.56
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	10	0.56
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	13	0.56
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	18	0.56
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	17	0.56
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	18	0.56
(1,1956)	1:407:A:LEU:HD11	1:459:A:ALA:H	15	0.56
(1,1956)	1:407:A:LEU:HD12	1:459:A:ALA:H	15	0.56
(1,1956)	1:407:A:LEU:HD13	1:459:A:ALA:H	15	0.56
(1,1956)	1:407:A:LEU:HD21	1:459:A:ALA:H	15	0.56
(1,1956)	1:407:A:LEU:HD22	1:459:A:ALA:H	15	0.56
(1,1956)	1:407:A:LEU:HD23	1:459:A:ALA:H	15	0.56
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	1	0.56
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	4	0.56
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	12	0.56
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	19	0.56
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	20	0.56
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	1	0.56
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	2	0.56
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	9	0.56
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	9	0.56
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	16	0.56
(1,1782)	1:481:A:LYS:H	1:481:A:LYS:HB3	20	0.56
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	2	0.56
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	16	0.56
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	11	0.56
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	5	0.56
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	8	0.56
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	8	0.56
(1,1490)	1:481:A:LYS:HA	1:481:A:LYS:HD2	6	0.56
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	6	0.56
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	6	0.56
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	6	0.56
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	10	0.56
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	10	0.56
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD2	19	0.56
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD3	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD2	19	0.56
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD3	19	0.56
(1,1301)	1:472:A:GLY:HA2	1:473:A:MET:HG3	20	0.56
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	7	0.56
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	7	0.56
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE1	20	0.56
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE2	20	0.56
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE1	20	0.56
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE2	20	0.56
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	12	0.56
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	12	0.56
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	12	0.56
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	12	0.56
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	6	0.56
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	15	0.56
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	16	0.56
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD11	16	0.56
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD12	16	0.56
(1,983)	1:432:A:ILE:HB	1:432:A:ILE:HD13	16	0.56
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	11	0.56
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	11	0.56
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	11	0.56
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	19	0.56
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	19	0.56
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	19	0.56
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	14	0.56
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	14	0.56
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	14	0.56
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	17	0.56
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	12	0.56
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	12	0.56
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	12	0.56
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	13	0.56
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	13	0.56
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	13	0.56
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	13	0.56
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	5	0.56
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	5	0.56
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	5	0.56
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	5	0.56
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	7	0.56
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	7	0.56
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	7	0.56
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	8	0.56
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	8	0.56
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	8	0.56
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	8	0.56
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	12	0.56
(1,409)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	12	0.56
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	12	0.56
(1,409)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	12	0.56
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	5	0.56
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	5	0.56
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	5	0.56
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	10	0.56
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	10	0.56
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	10	0.56
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	20	0.56
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	7	0.56
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	7	0.56
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	7	0.56
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	7	0.56
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	7	0.56
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	7	0.56
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	7	0.56
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	7	0.56
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	7	0.56
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	8	0.56
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	8	0.56
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	8	0.56
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	14	0.56
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	14	0.56
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	14	0.56
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	1	0.56
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	1	0.56
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	1	0.56
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	3	0.56
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	3	0.56
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	3	0.56
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	15	0.56
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	15	0.56
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	15	0.56
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	2	0.56
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	2	0.56
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	2	0.56
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	2	0.56
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	2	0.56
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	18	0.56
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	18	0.56
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	14	0.56
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	14	0.56
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	14	0.56
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	14	0.56
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	14	0.56
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	14	0.56
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	14	0.56
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	14	0.56
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	14	0.56
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	14	0.56
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	14	0.56
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	14	0.56
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	14	0.56
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	14	0.56
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	14	0.56
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	14	0.56
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	14	0.56
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	14	0.56
(1,46)	1:412:A:LEU:HG	1:449:A:GLY:HA2	1	0.56
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	15	0.56
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	6	0.56
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	15	0.56
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	15	0.56
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	4	0.55
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	4	0.55
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	8	0.55
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	8	0.55
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	8	0.55
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	4	0.55
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	6	0.55
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	13	0.55
(1,2198)	1:432:A:ILE:H	1:433:A:SER:H	9	0.55
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	5	0.55
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	20	0.55
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	14	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	2	0.55
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	10	0.55
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	14	0.55
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	11	0.55
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	6	0.55
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	18	0.55
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	10	0.55
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	15	0.55
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	13	0.55
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	10	0.55
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	1	0.55
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	1	0.55
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	15	0.55
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	15	0.55
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	15	0.55
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	6	0.55
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	9	0.55
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	1	0.55
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	9	0.55
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	14	0.55
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	12	0.55
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	14	0.55
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	15	0.55
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	2	0.55
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	2	0.55
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	8	0.55
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	8	0.55
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	8	0.55
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	8	0.55
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	8	0.55
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	8	0.55
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	8	0.55
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	8	0.55
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	8	0.55
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	18	0.55
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	18	0.55
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	19	0.55
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	11	0.55
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	7	0.55
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	7	0.55
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	7	0.55
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	7	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	7	0.55
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	7	0.55
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	2	0.55
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	10	0.55
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	10	0.55
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	10	0.55
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	12	0.55
(1,1173)	1:436:A:VAL:H	1:436:A:VAL:HB	10	0.55
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	20	0.55
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	20	0.55
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	11	0.55
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	11	0.55
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	11	0.55
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	11	0.55
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	16	0.55
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	16	0.55
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	16	0.55
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	16	0.55
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	7	0.55
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	7	0.55
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	11	0.55
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	11	0.55
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	4	0.55
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	4	0.55
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	3	0.55
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	3	0.55
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	3	0.55
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	3	0.55
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	3	0.55
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	3	0.55
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	3	0.55
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	3	0.55
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	3	0.55
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD11	17	0.55
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD12	17	0.55
(1,857)	1:471:A:ILE:HB	1:471:A:ILE:HD13	17	0.55
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	7	0.55
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	7	0.55
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	7	0.55
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	1	0.55
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	11	0.55
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	11	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	11	0.55
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	16	0.55
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	16	0.55
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	16	0.55
(1,560)	1:421:A:ILE:HG21	1:451:A:VAL:HB	19	0.55
(1,560)	1:421:A:ILE:HG22	1:451:A:VAL:HB	19	0.55
(1,560)	1:421:A:ILE:HG23	1:451:A:VAL:HB	19	0.55
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	5	0.55
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	5	0.55
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	9	0.55
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	9	0.55
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	9	0.55
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	9	0.55
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	10	0.55
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	10	0.55
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	10	0.55
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	10	0.55
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	19	0.55
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	19	0.55
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	19	0.55
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	8	0.55
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	8	0.55
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	8	0.55
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	8	0.55
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	20	0.55
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	20	0.55
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	20	0.55
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	20	0.55
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	19	0.55
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	8	0.55
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	8	0.55
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	7	0.55
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	7	0.55
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	7	0.55
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	8	0.55
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	8	0.55
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	8	0.55
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	15	0.55
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	15	0.55
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	15	0.55
(1,375)	1:468:A:GLY:H	1:475:A:ARG:HD3	11	0.55
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	6	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	6	0.55
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	6	0.55
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	11	0.55
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	11	0.55
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	11	0.55
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	18	0.55
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	18	0.55
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	18	0.55
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	18	0.55
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	18	0.55
(1,357)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	18	0.55
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	18	0.55
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	18	0.55
(1,357)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	18	0.55
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	18	0.55
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	18	0.55
(1,357)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	18	0.55
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	9	0.55
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	9	0.55
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	9	0.55
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	18	0.55
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	18	0.55
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	18	0.55
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	20	0.55
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	20	0.55
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	20	0.55
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	12	0.55
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	12	0.55
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	12	0.55
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	19	0.55
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	19	0.55
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	19	0.55
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	15	0.55
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	15	0.55
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	15	0.55
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	3	0.55
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	3	0.55
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	3	0.55
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	3	0.55
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	3	0.55
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	3	0.55
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	11	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	11	0.55
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	11	0.55
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	11	0.55
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	11	0.55
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	11	0.55
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	15	0.55
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	12	0.54
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	4	0.54
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	18	0.54
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	9	0.54
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	19	0.54
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	1	0.54
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	15	0.54
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	10	0.54
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	11	0.54
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	17	0.54
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	3	0.54
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	3	0.54
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	6	0.54
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	12	0.54
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	18	0.54
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	18	0.54
(1,1936)	1:486:A:ASP:H	1:486:A:ASP:HB2	6	0.54
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	3	0.54
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	6	0.54
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	3	0.54
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	6	0.54
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	19	0.54
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	14	0.54
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	14	0.54
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	14	0.54
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	14	0.54
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	14	0.54
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	14	0.54
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	14	0.54
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	14	0.54
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	14	0.54
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	14	0.54
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	14	0.54
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	14	0.54
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	7	0.54
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	7	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	7	0.54
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	7	0.54
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	2	0.54
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	2	0.54
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	15	0.54
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	15	0.54
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	15	0.54
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	15	0.54
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	20	0.54
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	20	0.54
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	20	0.54
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	20	0.54
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	2	0.54
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	5	0.54
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	5	0.54
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	5	0.54
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	5	0.54
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	5	0.54
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	5	0.54
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	7	0.54
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	7	0.54
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	12	0.54
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	7	0.54
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	7	0.54
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	7	0.54
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	11	0.54
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	11	0.54
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	11	0.54
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	3	0.54
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	16	0.54
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	16	0.54
(1,1301)	1:472:A:GLY:HA2	1:473:A:MET:HG3	8	0.54
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	3	0.54
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	3	0.54
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	3	0.54
(1,1167)	1:398:A:GLN:HG3	1:433:A:SER:HB3	2	0.54
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG2	4	0.54
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG3	4	0.54
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	17	0.54
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	17	0.54
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	1	0.54
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	1	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	1	0.54
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	1	0.54
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	5	0.54
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	5	0.54
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	3	0.54
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	14	0.54
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	12	0.54
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	5	0.54
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	5	0.54
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	19	0.54
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	1	0.54
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	1	0.54
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	1	0.54
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	19	0.54
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	19	0.54
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	19	0.54
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	19	0.54
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	19	0.54
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	19	0.54
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	19	0.54
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	19	0.54
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	19	0.54
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	15	0.54
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	15	0.54
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	15	0.54
(1,826)	1:407:A:LEU:HB3	1:478:A:VAL:HA	13	0.54
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	13	0.54
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	13	0.54
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	13	0.54
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	14	0.54
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	14	0.54
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	14	0.54
(1,773)	1:409:A:ILE:HD11	1:450:A:PHE:HA	3	0.54
(1,773)	1:409:A:ILE:HD12	1:450:A:PHE:HA	3	0.54
(1,773)	1:409:A:ILE:HD13	1:450:A:PHE:HA	3	0.54
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	13	0.54
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	13	0.54
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	13	0.54
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	18	0.54
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	18	0.54
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	18	0.54
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	15	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	20	0.54
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	20	0.54
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	20	0.54
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	20	0.54
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	20	0.54
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	20	0.54
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	15	0.54
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	15	0.54
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	15	0.54
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	15	0.54
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	20	0.54
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	20	0.54
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	7	0.54
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	7	0.54
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	6	0.54
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	6	0.54
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	6	0.54
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	6	0.54
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	17	0.54
(1,375)	1:468:A:GLY:H	1:475:A:ARG:HD3	14	0.54
(1,375)	1:468:A:GLY:H	1:475:A:ARG:HD3	15	0.54
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	11	0.54
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	11	0.54
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	11	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	8	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	8	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	8	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	9	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	9	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	9	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	10	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	10	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	10	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	12	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	12	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	12	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	13	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	13	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	13	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	14	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	14	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	14	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	16	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	16	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	16	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	17	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	17	0.54
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	17	0.54
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	18	0.54
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	18	0.54
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	18	0.54
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	3	0.54
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	3	0.54
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	3	0.54
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	20	0.54
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	20	0.54
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	20	0.54
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	20	0.54
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	20	0.54
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	20	0.54
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	20	0.54
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	20	0.54
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	20	0.54
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	20	0.54
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	20	0.54
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	20	0.54
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	20	0.54
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	20	0.54
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	20	0.54
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	20	0.54
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	20	0.54
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	20	0.54
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	5	0.54
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	5	0.54
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	5	0.54
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	5	0.54
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	5	0.54
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	5	0.54
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	5	0.54
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	5	0.54
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	5	0.54
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	5	0.54
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	5	0.54
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	5	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	6	0.54
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	6	0.54
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	6	0.54
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	6	0.54
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	6	0.54
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	6	0.54
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	6	0.54
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	6	0.54
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	6	0.54
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	6	0.54
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	6	0.54
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	6	0.54
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	19	0.54
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	19	0.54
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	11	0.54
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	11	0.54
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	11	0.54
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	11	0.54
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	11	0.54
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	11	0.54
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	11	0.54
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	11	0.54
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	11	0.54
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	11	0.54
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	11	0.54
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	11	0.54
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	5	0.53
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	16	0.53
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	16	0.53
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	15	0.53
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	9	0.53
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	10	0.53
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	18	0.53
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	13	0.53
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	11	0.53
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	3	0.53
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	10	0.53
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	4	0.53
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	6	0.53
(1,2141)	1:445:A:SER:H	1:445:A:SER:HB2	12	0.53
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	17	0.53
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	18	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	3	0.53
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	7	0.53
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	7	0.53
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	6	0.53
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	6	0.53
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	14	0.53
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	14	0.53
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	2	0.53
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	2	0.53
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB2	5	0.53
(1,1802)	1:477:A:LYS:H	1:477:A:LYS:HB3	5	0.53
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	19	0.53
(1,1782)	1:481:A:LYS:H	1:481:A:LYS:HB3	18	0.53
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	13	0.53
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	14	0.53
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	3	0.53
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	12	0.53
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	19	0.53
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	19	0.53
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	9	0.53
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	9	0.53
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	13	0.53
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	13	0.53
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	16	0.53
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	11	0.53
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	11	0.53
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	11	0.53
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	11	0.53
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD2	4	0.53
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD3	4	0.53
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD2	4	0.53
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD3	4	0.53
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	19	0.53
(1,1103)	1:479:A:GLN:HG2	1:480:A:LEU:H	14	0.53
(1,1103)	1:479:A:GLN:HG3	1:480:A:LEU:H	14	0.53
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	15	0.53
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	15	0.53
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	15	0.53
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	15	0.53
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	20	0.53
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	20	0.53
(1,999)	1:403:A:GLU:H	1:403:A:GLU:HG2	15	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	13	0.53
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	13	0.53
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	13	0.53
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	7	0.53
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	5	0.53
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	5	0.53
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	13	0.53
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	13	0.53
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	13	0.53
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	9	0.53
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	9	0.53
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	9	0.53
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	17	0.53
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	17	0.53
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	17	0.53
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	2	0.53
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	2	0.53
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	2	0.53
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	10	0.53
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	10	0.53
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	10	0.53
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	9	0.53
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	9	0.53
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	9	0.53
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	11	0.53
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	11	0.53
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	11	0.53
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	7	0.53
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	7	0.53
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	7	0.53
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	7	0.53
(1,441)	1:433:A:SER:HB3	1:452:A:SER:HB3	7	0.53
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	1	0.53
(1,379)	1:475:A:ARG:HA	1:475:A:ARG:HD2	6	0.53
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	17	0.53
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	17	0.53
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	17	0.53
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	17	0.53
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	17	0.53
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	17	0.53
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	16	0.53
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	16	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	16	0.53
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	16	0.53
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	16	0.53
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	16	0.53
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	9	0.53
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	9	0.53
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	9	0.53
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD11	1	0.53
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD12	1	0.53
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD13	1	0.53
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD21	1	0.53
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD22	1	0.53
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD23	1	0.53
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	2	0.53
(1,2)	1:411:A:HIS:HB3	1:477:A:LYS:HA	9	0.53
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	4	0.52
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	4	0.52
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	20	0.52
(1,2367)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	20	0.52
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	20	0.52
(1,2367)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	20	0.52
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	20	0.52
(1,2367)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	20	0.52
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	20	0.52
(1,2367)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	20	0.52
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	20	0.52
(1,2367)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	20	0.52
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	20	0.52
(1,2367)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	20	0.52
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD1	19	0.52
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD2	19	0.52
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	13	0.52
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	13	0.52
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	13	0.52
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	7	0.52
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	5	0.52
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	10	0.52
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	19	0.52
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	20	0.52
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	2	0.52
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	14	0.52
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	8	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	15	0.52
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	2	0.52
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	2	0.52
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	4	0.52
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	4	0.52
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	15	0.52
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	15	0.52
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	6	0.52
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	18	0.52
(1,1820)	1:422:A:LEU:H	1:422:A:LEU:HB3	1	0.52
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	20	0.52
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	13	0.52
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	7	0.52
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	18	0.52
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	12	0.52
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	12	0.52
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	12	0.52
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	12	0.52
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	10	0.52
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	10	0.52
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	10	0.52
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	10	0.52
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	10	0.52
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	10	0.52
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	11	0.52
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	11	0.52
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	15	0.52
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	15	0.52
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	20	0.52
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	8	0.52
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	8	0.52
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	19	0.52
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	19	0.52
(1,1439)	1:418:A:ASP:HB2	1:435:A:LYS:HA	1	0.52
(1,1439)	1:418:A:ASP:HB2	1:435:A:LYS:HA	9	0.52
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	13	0.52
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	13	0.52
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	13	0.52
(1,1301)	1:472:A:GLY:HA2	1:473:A:MET:HG3	5	0.52
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	11	0.52
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	11	0.52
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	11	0.52
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	11	0.52
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	11	0.52
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	7	0.52
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	7	0.52
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	7	0.52
(1,1222)	1:481:A:LYS:HA	1:482:A:ARG:H	20	0.52
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG2	14	0.52
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG3	14	0.52
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG2	17	0.52
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG3	17	0.52
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG2	1	0.52
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG3	1	0.52
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	5	0.52
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	5	0.52
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	5	0.52
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	5	0.52
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	20	0.52
(1,1009)	1:423:A:GLN:HA	1:423:A:GLN:HE21	12	0.52
(1,924)	1:400:A:GLU:HG3	1:452:A:SER:HB3	13	0.52
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	8	0.52
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	8	0.52
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	8	0.52
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	17	0.52
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	17	0.52
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	17	0.52
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	15	0.52
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	3	0.52
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB1	4	0.52
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB2	4	0.52
(1,582)	1:453:A:TYR:HB2	1:459:A:ALA:HB3	4	0.52
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	1	0.52
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	1	0.52
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	1	0.52
(1,514)	1:435:A:LYS:HE2	1:439:A:ASP:HB2	13	0.52
(1,514)	1:435:A:LYS:HE3	1:439:A:ASP:HB2	13	0.52
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	14	0.52
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	14	0.52
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	14	0.52
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	14	0.52
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	14	0.52
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	14	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	16	0.52
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	16	0.52
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	16	0.52
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	16	0.52
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	16	0.52
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	16	0.52
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	7	0.52
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	7	0.52
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	7	0.52
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	17	0.52
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	17	0.52
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	9	0.52
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	9	0.52
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	9	0.52
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	9	0.52
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	11	0.52
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	11	0.52
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	11	0.52
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	11	0.52
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	11	0.52
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	11	0.52
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	2	0.52
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	2	0.52
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	2	0.52
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	11	0.52
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	11	0.52
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	11	0.52
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	19	0.52
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	19	0.52
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	19	0.52
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	20	0.52
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	20	0.52
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	20	0.52
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	20	0.52
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	20	0.52
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	20	0.52
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	18	0.52
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	18	0.52
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	18	0.52
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	11	0.52
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG11	3	0.52
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG12	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:426:A:MET:HG2	1:431:A:VAL:HG13	3	0.52
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG11	3	0.52
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG12	3	0.52
(1,182)	1:426:A:MET:HG3	1:431:A:VAL:HG13	3	0.52
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	19	0.52
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	19	0.52
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	19	0.52
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	20	0.52
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	20	0.52
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	20	0.52
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	20	0.52
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	20	0.52
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	20	0.52
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	20	0.52
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	20	0.52
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	20	0.52
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	20	0.52
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	20	0.52
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	20	0.52
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	20	0.52
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	20	0.52
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	20	0.52
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	20	0.52
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	20	0.52
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	20	0.52
(1,51)	1:407:A:LEU:HD11	1:463:A:ILE:H	14	0.52
(1,51)	1:407:A:LEU:HD12	1:463:A:ILE:H	14	0.52
(1,51)	1:407:A:LEU:HD13	1:463:A:ILE:H	14	0.52
(1,51)	1:407:A:LEU:HD21	1:463:A:ILE:H	14	0.52
(1,51)	1:407:A:LEU:HD22	1:463:A:ILE:H	14	0.52
(1,51)	1:407:A:LEU:HD23	1:463:A:ILE:H	14	0.52
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	2	0.52
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	18	0.52
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	7	0.51
(1,2244)	1:444:A:LEU:HD11	1:479:A:GLN:HE22	19	0.51
(1,2244)	1:444:A:LEU:HD12	1:479:A:GLN:HE22	19	0.51
(1,2244)	1:444:A:LEU:HD13	1:479:A:GLN:HE22	19	0.51
(1,2244)	1:444:A:LEU:HD21	1:479:A:GLN:HE22	19	0.51
(1,2244)	1:444:A:LEU:HD22	1:479:A:GLN:HE22	19	0.51
(1,2244)	1:444:A:LEU:HD23	1:479:A:GLN:HE22	19	0.51
(1,2241)	1:445:A:SER:HB2	1:479:A:GLN:HE22	1	0.51
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	17	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	18	0.51
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	19	0.51
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	19	0.51
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	19	0.51
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	9	0.51
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	18	0.51
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	1	0.51
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	17	0.51
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	6	0.51
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	2	0.51
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	8	0.51
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	9	0.51
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	11	0.51
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	11	0.51
(1,1936)	1:486:A:ASP:H	1:486:A:ASP:HB2	2	0.51
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	16	0.51
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	16	0.51
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	16	0.51
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	18	0.51
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	18	0.51
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	1	0.51
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	1	0.51
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	3	0.51
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	13	0.51
(1,1833)	1:406:A:ASN:HA	1:407:A:LEU:H	18	0.51
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	9	0.51
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	1	0.51
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	11	0.51
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	12	0.51
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	17	0.51
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	6	0.51
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	18	0.51
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	5	0.51
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	15	0.51
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	5	0.51
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	3	0.51
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	16	0.51
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	4	0.51
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	14	0.51
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	14	0.51
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	15	0.51
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	12	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	12	0.51
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	12	0.51
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	10	0.51
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	10	0.51
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	4	0.51
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	4	0.51
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	4	0.51
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	10	0.51
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	9	0.51
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	9	0.51
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	15	0.51
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	15	0.51
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	15	0.51
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	15	0.51
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	20	0.51
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	20	0.51
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	20	0.51
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	20	0.51
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	20	0.51
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	20	0.51
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB2	4	0.51
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB3	4	0.51
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE2	9	0.51
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE3	9	0.51
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG2	8	0.51
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG3	8	0.51
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	12	0.51
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	12	0.51
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	7	0.51
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	7	0.51
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	7	0.51
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	7	0.51
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	12	0.51
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	12	0.51
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	12	0.51
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	12	0.51
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	15	0.51
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	15	0.51
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	15	0.51
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	3	0.51
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	3	0.51
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	3	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	4	0.51
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	4	0.51
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	4	0.51
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	4	0.51
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	4	0.51
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	4	0.51
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	4	0.51
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	4	0.51
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	4	0.51
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	6	0.51
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	6	0.51
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	6	0.51
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	8	0.51
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	8	0.51
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	8	0.51
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	17	0.51
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	17	0.51
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	17	0.51
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	12	0.51
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	12	0.51
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	12	0.51
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	11	0.51
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	11	0.51
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	11	0.51
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	6	0.51
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	17	0.51
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	5	0.51
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	5	0.51
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	10	0.51
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	10	0.51
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	19	0.51
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	19	0.51
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	11	0.51
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	11	0.51
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	11	0.51
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	13	0.51
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	13	0.51
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	13	0.51
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	13	0.51
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	13	0.51
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	13	0.51
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	13	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	13	0.51
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	13	0.51
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	13	0.51
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	13	0.51
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	13	0.51
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	13	0.51
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	13	0.51
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	13	0.51
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	13	0.51
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	13	0.51
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	13	0.51
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	3	0.51
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	3	0.51
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	3	0.51
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	3	0.51
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	3	0.51
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	3	0.51
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	18	0.51
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	18	0.51
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	18	0.51
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	18	0.51
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	18	0.51
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	18	0.51
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	5	0.51
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	5	0.51
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	5	0.51
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	5	0.51
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	5	0.51
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	5	0.51
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	11	0.51
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	11	0.51
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	11	0.51
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	5	0.51
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	5	0.51
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	5	0.51
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	5	0.51
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	5	0.51
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	5	0.51
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	5	0.51
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	5	0.51
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	5	0.51
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	5	0.51
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	5	0.51
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	8	0.51
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	11	0.51
(1,12)	1:407:A:LEU:HG	1:453:A:TYR:HD1	14	0.51
(1,12)	1:407:A:LEU:HG	1:453:A:TYR:HD2	14	0.51
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG2	7	0.5
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG3	7	0.5
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG2	7	0.5
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG3	7	0.5
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	10	0.5
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	10	0.5
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	7	0.5
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	7	0.5
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	1	0.5
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	4	0.5
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	1	0.5
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	4	0.5
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	6	0.5
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	14	0.5
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	16	0.5
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	6	0.5
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	6	0.5
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	6	0.5
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	11	0.5
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	8	0.5
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	1	0.5
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	1	0.5
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	5	0.5
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	8	0.5
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	8	0.5
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	6	0.5
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	6	0.5
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	17	0.5
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	17	0.5
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	5	0.5
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	5	0.5
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	5	0.5
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	15	0.5
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	14	0.5
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	15	0.5
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	4	0.5
(1,1782)	1:481:A:LYS:H	1:481:A:LYS:HB3	7	0.5
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	4	0.5
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	8	0.5
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	2	0.5
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	2	0.5
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	14	0.5
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	8	0.5
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	15	0.5
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	2	0.5
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	8	0.5
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	8	0.5
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	8	0.5
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	8	0.5
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	8	0.5
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	8	0.5
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	8	0.5
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	8	0.5
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	8	0.5
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	8	0.5
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	8	0.5
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	8	0.5
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	8	0.5
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	15	0.5
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	15	0.5
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	15	0.5
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	15	0.5
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	20	0.5
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	2	0.5
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	2	0.5
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	7	0.5
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	6	0.5
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	6	0.5
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	9	0.5
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	9	0.5
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	9	0.5
(1,1282)	1:398:A:GLN:HA	1:398:A:GLN:HG3	2	0.5
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	16	0.5
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	16	0.5
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	16	0.5
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	18	0.5
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG21	6	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG22	6	0.5
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG23	6	0.5
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG21	6	0.5
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG22	6	0.5
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG23	6	0.5
(1,1015)	1:436:A:VAL:HG11	1:437:A:PHE:HA	2	0.5
(1,1015)	1:436:A:VAL:HG12	1:437:A:PHE:HA	2	0.5
(1,1015)	1:436:A:VAL:HG13	1:437:A:PHE:HA	2	0.5
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	1	0.5
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	1	0.5
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	1	0.5
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	5	0.5
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	16	0.5
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	16	0.5
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	16	0.5
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	4	0.5
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	4	0.5
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	4	0.5
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	4	0.5
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	4	0.5
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	4	0.5
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	4	0.5
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	4	0.5
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	4	0.5
(1,837)	1:443:A:ASN:H	1:443:A:ASN:HB3	15	0.5
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	1	0.5
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	1	0.5
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	1	0.5
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	12	0.5
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	12	0.5
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	12	0.5
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	11	0.5
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	11	0.5
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	11	0.5
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	17	0.5
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	17	0.5
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	17	0.5
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	17	0.5
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	17	0.5
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	17	0.5
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	15	0.5
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	15	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	15	0.5
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	1	0.5
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	1	0.5
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	1	0.5
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	12	0.5
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	12	0.5
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	12	0.5
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	14	0.5
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	14	0.5
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	14	0.5
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	17	0.5
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	3	0.5
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	1	0.5
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	4	0.5
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	13	0.5
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	19	0.5
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	5	0.5
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	5	0.5
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	5	0.5
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	4	0.5
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	4	0.5
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	4	0.5
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	4	0.5
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	4	0.5
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	4	0.5
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	4	0.5
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	4	0.5
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	4	0.5
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	4	0.5
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	4	0.5
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	4	0.5
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	18	0.5
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	18	0.5
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	18	0.5
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	18	0.5
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB2	18	0.5
(1,412)	1:475:A:ARG:HA	1:476:A:LEU:HB3	18	0.5
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	3	0.5
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	3	0.5
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	3	0.5
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	4	0.5
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	4	0.5
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	16	0.5
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	16	0.5
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	16	0.5
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	18	0.5
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	18	0.5
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	18	0.5
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	20	0.5
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	20	0.5
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	20	0.5
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	9	0.5
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	9	0.5
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	9	0.5
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	13	0.5
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	13	0.5
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	13	0.5
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	12	0.5
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	12	0.5
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	12	0.5
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	16	0.5
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	16	0.5
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	16	0.5
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	20	0.5
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	20	0.5
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	20	0.5
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	12	0.5
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	12	0.5
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	12	0.5
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	12	0.5
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	12	0.5
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	12	0.5
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	12	0.5
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	12	0.5
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	12	0.5
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	12	0.5
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	12	0.5
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	12	0.5
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	12	0.5
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	12	0.5
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	12	0.5
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	1	0.5
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	1	0.5
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	5	0.5
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	5	0.5
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	5	0.5
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	7	0.5
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	7	0.5
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	7	0.5
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	13	0.5
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	13	0.5
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	13	0.5
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	20	0.5
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	20	0.5
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	20	0.5
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	20	0.5
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	20	0.5
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	20	0.5
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	2	0.5
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	2	0.5
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	2	0.5
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	2	0.5
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	2	0.5
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	2	0.5
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	6	0.5
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	6	0.5
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	6	0.5
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	6	0.5
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	6	0.5
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	6	0.5
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	2	0.5
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	2	0.5
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	2	0.5
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	2	0.5
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	2	0.5
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	2	0.5
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	2	0.5
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	2	0.5
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	2	0.5
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	2	0.5
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	2	0.5
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	2	0.5
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	16	0.5
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	1	0.5
(1,42)	1:407:A:LEU:HD11	1:460:A:GLN:HA	1	0.5
(1,42)	1:407:A:LEU:HD12	1:460:A:GLN:HA	1	0.5
(1,42)	1:407:A:LEU:HD13	1:460:A:GLN:HA	1	0.5
(1,42)	1:407:A:LEU:HD21	1:460:A:GLN:HA	1	0.5
(1,42)	1:407:A:LEU:HD22	1:460:A:GLN:HA	1	0.5
(1,42)	1:407:A:LEU:HD23	1:460:A:GLN:HA	1	0.5
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG2	6	0.49
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG3	6	0.49
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG2	6	0.49
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG3	6	0.49
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	9	0.49
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	9	0.49
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	6	0.49
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	6	0.49
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	20	0.49
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	20	0.49
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	11	0.49
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	18	0.49
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	18	0.49
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	8	0.49
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	7	0.49
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	9	0.49
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	9	0.49
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	9	0.49
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	9	0.49
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	9	0.49
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	9	0.49
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	7	0.49
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	18	0.49
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	20	0.49
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	19	0.49
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	2	0.49
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	5	0.49
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	11	0.49
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	19	0.49
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	9	0.49
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	11	0.49
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	6	0.49
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	12	0.49
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	16	0.49
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	3	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	5	0.49
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	19	0.49
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	15	0.49
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	15	0.49
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	9	0.49
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	9	0.49
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	8	0.49
(1,1956)	1:407:A:LEU:HD11	1:459:A:ALA:H	6	0.49
(1,1956)	1:407:A:LEU:HD12	1:459:A:ALA:H	6	0.49
(1,1956)	1:407:A:LEU:HD13	1:459:A:ALA:H	6	0.49
(1,1956)	1:407:A:LEU:HD21	1:459:A:ALA:H	6	0.49
(1,1956)	1:407:A:LEU:HD22	1:459:A:ALA:H	6	0.49
(1,1956)	1:407:A:LEU:HD23	1:459:A:ALA:H	6	0.49
(1,1956)	1:407:A:LEU:HD11	1:459:A:ALA:H	10	0.49
(1,1956)	1:407:A:LEU:HD12	1:459:A:ALA:H	10	0.49
(1,1956)	1:407:A:LEU:HD13	1:459:A:ALA:H	10	0.49
(1,1956)	1:407:A:LEU:HD21	1:459:A:ALA:H	10	0.49
(1,1956)	1:407:A:LEU:HD22	1:459:A:ALA:H	10	0.49
(1,1956)	1:407:A:LEU:HD23	1:459:A:ALA:H	10	0.49
(1,1956)	1:407:A:LEU:HD11	1:459:A:ALA:H	20	0.49
(1,1956)	1:407:A:LEU:HD12	1:459:A:ALA:H	20	0.49
(1,1956)	1:407:A:LEU:HD13	1:459:A:ALA:H	20	0.49
(1,1956)	1:407:A:LEU:HD21	1:459:A:ALA:H	20	0.49
(1,1956)	1:407:A:LEU:HD22	1:459:A:ALA:H	20	0.49
(1,1956)	1:407:A:LEU:HD23	1:459:A:ALA:H	20	0.49
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	2	0.49
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	2	0.49
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	3	0.49
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	3	0.49
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	14	0.49
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	14	0.49
(1,1857)	1:461:A:ALA:H	1:463:A:ILE:HG12	1	0.49
(1,1857)	1:461:A:ALA:H	1:463:A:ILE:HG13	1	0.49
(1,1824)	1:409:A:ILE:H	1:410:A:TYR:H	2	0.49
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	3	0.49
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	4	0.49
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	10	0.49
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	10	0.49
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	17	0.49
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	10	0.49
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	6	0.49
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	8	0.49
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	4	0.49
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	2	0.49
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	17	0.49
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	6	0.49
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	7	0.49
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	12	0.49
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	8	0.49
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	1	0.49
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	4	0.49
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	16	0.49
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	5	0.49
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	5	0.49
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	5	0.49
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	5	0.49
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	5	0.49
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	5	0.49
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	5	0.49
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	5	0.49
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	5	0.49
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	5	0.49
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	5	0.49
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	5	0.49
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	3	0.49
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	3	0.49
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	12	0.49
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	12	0.49
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	16	0.49
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	7	0.49
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	15	0.49
(1,1631)	1:475:A:ARG:HG2	1:476:A:LEU:H	16	0.49
(1,1631)	1:475:A:ARG:HG3	1:476:A:LEU:H	16	0.49
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	17	0.49
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	15	0.49
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	11	0.49
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	11	0.49
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	11	0.49
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	11	0.49
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	11	0.49
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	11	0.49
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	18	0.49
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	18	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	18	0.49
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	4	0.49
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	4	0.49
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	1	0.49
(1,1536)	1:440:A:LYS:HD2	1:441:A:GLN:H	14	0.49
(1,1536)	1:440:A:LYS:HD3	1:441:A:GLN:H	14	0.49
(1,1534)	1:440:A:LYS:HD2	1:441:A:GLN:HG2	10	0.49
(1,1534)	1:440:A:LYS:HD3	1:441:A:GLN:HG2	10	0.49
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	3	0.49
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	13	0.49
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	13	0.49
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	1	0.49
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	1	0.49
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	1	0.49
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	15	0.49
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	15	0.49
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	15	0.49
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	8	0.49
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	19	0.49
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	13	0.49
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	13	0.49
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	3	0.49
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	3	0.49
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	3	0.49
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	12	0.49
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	12	0.49
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	6	0.49
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	6	0.49
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	6	0.49
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	6	0.49
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	6	0.49
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	6	0.49
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	2	0.49
(1,1171)	1:398:A:GLN:HG2	1:433:A:SER:HB3	8	0.49
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	3	0.49
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	3	0.49
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	8	0.49
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	8	0.49
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	8	0.49
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	8	0.49
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	1	0.49
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG2	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:440:A:LYS:HA	1:440:A:LYS:HG3	15	0.49
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	6	0.49
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	9	0.49
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	10	0.49
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	16	0.49
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	16	0.49
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	7	0.49
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	7	0.49
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	15	0.49
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	6	0.49
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	1	0.49
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	1	0.49
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	1	0.49
(1,837)	1:443:A:ASN:H	1:443:A:ASN:HB3	10	0.49
(1,826)	1:407:A:LEU:HB3	1:478:A:VAL:HA	1	0.49
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	9	0.49
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	9	0.49
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	9	0.49
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	9	0.49
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	9	0.49
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	14	0.49
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	14	0.49
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	14	0.49
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	5	0.49
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	5	0.49
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	5	0.49
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	18	0.49
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	18	0.49
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	18	0.49
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	11	0.49
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	20	0.49
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	20	0.49
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	20	0.49
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	1	0.49
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	1	0.49
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	1	0.49
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	13	0.49
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	13	0.49
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	13	0.49
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	11	0.49
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	6	0.49
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	12	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	15	0.49
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	15	0.49
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	15	0.49
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	15	0.49
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	19	0.49
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	19	0.49
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	19	0.49
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	19	0.49
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	19	0.49
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	19	0.49
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	17	0.49
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	17	0.49
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	17	0.49
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	17	0.49
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	17	0.49
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	2	0.49
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	2	0.49
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	12	0.49
(1,425)	1:433:A:SER:HB2	1:434:A:ALA:HA	15	0.49
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	17	0.49
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	17	0.49
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	17	0.49
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	8	0.49
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	12	0.49
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	12	0.49
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	12	0.49
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	2	0.49
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	2	0.49
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	2	0.49
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	6	0.49
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	6	0.49
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	6	0.49
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	19	0.49
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	19	0.49
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	19	0.49
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB1	15	0.49
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB2	15	0.49
(1,266)	1:465:A:ALA:H	1:465:A:ALA:HB3	15	0.49
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	4	0.49
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	4	0.49
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	4	0.49
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	6	0.49
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	6	0.49
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	6	0.49
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	6	0.49
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	6	0.49
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	8	0.49
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	8	0.49
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	8	0.49
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	8	0.49
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	8	0.49
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	8	0.49
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	12	0.49
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	12	0.49
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	12	0.49
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	13	0.49
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	13	0.49
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	13	0.49
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	14	0.49
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	14	0.49
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	14	0.49
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	3	0.49
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	3	0.49
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	3	0.49
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	3	0.49
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	3	0.49
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	3	0.49
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	2	0.49
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	2	0.49
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	3	0.49
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	3	0.49
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	16	0.49
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	16	0.49
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	2	0.49
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	2	0.49
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	9	0.49
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	9	0.49
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	9	0.49
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	9	0.49
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	9	0.49
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	9	0.49
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	9	0.49
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	9	0.49
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	9	0.49
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	9	0.49
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	9	0.49
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	9	0.49
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	9	0.49
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	9	0.49
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	9	0.49
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	9	0.49
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	9	0.49
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	2	0.49
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	2	0.49
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	2	0.49
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	2	0.49
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	2	0.49
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	2	0.49
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	2	0.49
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	2	0.49
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	2	0.49
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	2	0.49
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	2	0.49
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	2	0.49
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	11	0.49
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	2	0.49
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	18	0.49
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	13	0.48
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	13	0.48
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	13	0.48
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	13	0.48
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	13	0.48
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	13	0.48
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	4	0.48
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	4	0.48
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE1	9	0.48
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE2	9	0.48
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	1	0.48
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	1	0.48
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	2	0.48
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	2	0.48
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	8	0.48
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	8	0.48
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	10	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	10	0.48
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	1	0.48
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	1	0.48
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	1	0.48
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	4	0.48
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	4	0.48
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	4	0.48
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	9	0.48
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	20	0.48
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	1	0.48
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	8	0.48
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	14	0.48
(1,2220)	1:416:A:PHE:HA	1:417:A:GLY:H	3	0.48
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	13	0.48
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	20	0.48
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	20	0.48
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	20	0.48
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	20	0.48
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	20	0.48
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	20	0.48
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	2	0.48
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	19	0.48
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	15	0.48
(1,2141)	1:445:A:SER:H	1:445:A:SER:HB2	6	0.48
(1,2141)	1:445:A:SER:H	1:445:A:SER:HB2	8	0.48
(1,2141)	1:445:A:SER:H	1:445:A:SER:HB2	18	0.48
(1,2140)	1:445:A:SER:H	1:445:A:SER:HB3	2	0.48
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	7	0.48
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	12	0.48
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	9	0.48
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	1	0.48
(1,2050)	1:420:A:ASP:H	1:420:A:ASP:HB3	19	0.48
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	20	0.48
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	4	0.48
(1,2027)	1:467:A:ASN:HA	1:468:A:GLY:H	19	0.48
(1,2014)	1:407:A:LEU:HB2	1:408:A:PHE:H	1	0.48
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	13	0.48
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	1	0.48
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	13	0.48
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	18	0.48
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	13	0.48
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	13	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	19	0.48
(1,1925)	1:452:A:SER:HB2	1:453:A:TYR:H	1	0.48
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	13	0.48
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	13	0.48
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	13	0.48
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	10	0.48
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	10	0.48
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	17	0.48
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	17	0.48
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	1	0.48
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	14	0.48
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	9	0.48
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	9	0.48
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	19	0.48
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	19	0.48
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	6	0.48
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	5	0.48
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	16	0.48
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	2	0.48
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	5	0.48
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	9	0.48
(1,1782)	1:481:A:LYS:H	1:481:A:LYS:HB3	12	0.48
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	14	0.48
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	16	0.48
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	16	0.48
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	19	0.48
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	12	0.48
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	8	0.48
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	17	0.48
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	20	0.48
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	4	0.48
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	10	0.48
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	13	0.48
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	4	0.48
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	4	0.48
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	4	0.48
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	4	0.48
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	7	0.48
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	10	0.48
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	10	0.48
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	12	0.48
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG11	17	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG12	17	0.48
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG13	17	0.48
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	9	0.48
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	9	0.48
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	9	0.48
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	9	0.48
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	9	0.48
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	9	0.48
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	13	0.48
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	13	0.48
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	13	0.48
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	6	0.48
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	18	0.48
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	18	0.48
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	18	0.48
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	2	0.48
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	2	0.48
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	5	0.48
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	5	0.48
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	15	0.48
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	15	0.48
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	13	0.48
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	13	0.48
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	13	0.48
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	4	0.48
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	4	0.48
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	10	0.48
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	10	0.48
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	10	0.48
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	18	0.48
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	18	0.48
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	18	0.48
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	20	0.48
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	20	0.48
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	20	0.48
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	4	0.48
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	4	0.48
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	4	0.48
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	18	0.48
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	18	0.48
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	18	0.48
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	6	0.48
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	20	0.48
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	20	0.48
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	20	0.48
(1,1301)	1:472:A:GLY:HA2	1:473:A:MET:HG3	7	0.48
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	4	0.48
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	4	0.48
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	4	0.48
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	4	0.48
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	4	0.48
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	4	0.48
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	9	0.48
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	9	0.48
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	9	0.48
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	9	0.48
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	9	0.48
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	9	0.48
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	15	0.48
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	2	0.48
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	17	0.48
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	19	0.48
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	19	0.48
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	19	0.48
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	19	0.48
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	19	0.48
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	19	0.48
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	17	0.48
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	2	0.48
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	2	0.48
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	2	0.48
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	2	0.48
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	5	0.48
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	5	0.48
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	5	0.48
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	5	0.48
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	10	0.48
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	10	0.48
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	10	0.48
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	10	0.48
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	12	0.48
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	12	0.48
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	12	0.48
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	15	0.48
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	15	0.48
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	15	0.48
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	15	0.48
(1,1112)	1:423:A:GLN:H	1:423:A:GLN:HG3	9	0.48
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	5	0.48
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	5	0.48
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	11	0.48
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	11	0.48
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	6	0.48
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	18	0.48
(1,1009)	1:423:A:GLN:HA	1:423:A:GLN:HE21	2	0.48
(1,1009)	1:423:A:GLN:HA	1:423:A:GLN:HE21	14	0.48
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	1	0.48
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	8	0.48
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	10	0.48
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	13	0.48
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	14	0.48
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	6	0.48
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	6	0.48
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	9	0.48
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	10	0.48
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	10	0.48
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	12	0.48
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	12	0.48
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	14	0.48
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	14	0.48
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	4	0.48
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	4	0.48
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	4	0.48
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	9	0.48
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	9	0.48
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	9	0.48
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	13	0.48
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	13	0.48
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	13	0.48
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	20	0.48
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	20	0.48
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	20	0.48
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	17	0.48
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	17	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	17	0.48
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	3	0.48
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	3	0.48
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	3	0.48
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	15	0.48
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	15	0.48
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	15	0.48
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	2	0.48
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	14	0.48
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	19	0.48
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	19	0.48
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	19	0.48
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	12	0.48
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	12	0.48
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	12	0.48
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	4	0.48
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	4	0.48
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	4	0.48
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	19	0.48
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	19	0.48
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	19	0.48
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	10	0.48
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	10	0.48
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	10	0.48
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	1	0.48
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	1	0.48
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	1	0.48
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	13	0.48
(1,603)	1:409:A:ILE:HB	1:449:A:GLY:HA3	4	0.48
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	3	0.48
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	3	0.48
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	14	0.48
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	14	0.48
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	16	0.48
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	16	0.48
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	16	0.48
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	10	0.48
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	10	0.48
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	10	0.48
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	10	0.48
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	10	0.48
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE1	9	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE2	9	0.48
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE2	17	0.48
(1,493)	1:440:A:LYS:HG2	1:440:A:LYS:HE3	17	0.48
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE2	17	0.48
(1,493)	1:440:A:LYS:HG3	1:440:A:LYS:HE3	17	0.48
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	17	0.48
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	17	0.48
(1,419)	1:480:A:LEU:HB2	1:481:A:LYS:H	3	0.48
(1,419)	1:480:A:LEU:HB3	1:481:A:LYS:H	3	0.48
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	1	0.48
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	1	0.48
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	1	0.48
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	9	0.48
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	9	0.48
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	9	0.48
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	20	0.48
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	20	0.48
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	20	0.48
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	20	0.48
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	20	0.48
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	20	0.48
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	20	0.48
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	20	0.48
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	20	0.48
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	20	0.48
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	20	0.48
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	20	0.48
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	20	0.48
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	20	0.48
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	20	0.48
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	20	0.48
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	20	0.48
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	20	0.48
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	18	0.48
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	18	0.48
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	18	0.48
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	1	0.48
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	1	0.48
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	1	0.48
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	7	0.48
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	7	0.48
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	10	0.48
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	10	0.48
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	10	0.48
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	10	0.48
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	10	0.48
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	18	0.48
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	18	0.48
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	18	0.48
(1,192)	1:436:A:VAL:HG21	1:449:A:GLY:HA2	5	0.48
(1,192)	1:436:A:VAL:HG22	1:449:A:GLY:HA2	5	0.48
(1,192)	1:436:A:VAL:HG23	1:449:A:GLY:HA2	5	0.48
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	18	0.48
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	18	0.48
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	18	0.48
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG21	14	0.48
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG22	14	0.48
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG23	14	0.48
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	4	0.48
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	4	0.48
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	4	0.48
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	4	0.48
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	4	0.48
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	4	0.48
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	4	0.48
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	4	0.48
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	4	0.48
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	4	0.48
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	4	0.48
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	4	0.48
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	17	0.48
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	17	0.48
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	17	0.48
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	17	0.48
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	17	0.48
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	17	0.48
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	18	0.48
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	18	0.48
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	18	0.48
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	18	0.48
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	18	0.48
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	18	0.48
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	18	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	18	0.48
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	18	0.48
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	18	0.48
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	18	0.48
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	18	0.48
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	2	0.48
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	10	0.48
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	20	0.48
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	20	0.48
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	20	0.48
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	11	0.48
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	11	0.48
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	19	0.48
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	20	0.48
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD1	17	0.47
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD2	17	0.47
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	16	0.47
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	16	0.47
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	20	0.47
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	20	0.47
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	6	0.47
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	6	0.47
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	6	0.47
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	6	0.47
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	6	0.47
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	6	0.47
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	6	0.47
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	6	0.47
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	6	0.47
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	6	0.47
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	6	0.47
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	6	0.47
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	15	0.47
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	15	0.47
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	15	0.47
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	15	0.47
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	15	0.47
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	15	0.47
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	15	0.47
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	15	0.47
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	15	0.47
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	15	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	15	0.47
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	15	0.47
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	3	0.47
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	5	0.47
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	5	0.47
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	5	0.47
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	18	0.47
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	18	0.47
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	18	0.47
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	19	0.47
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	19	0.47
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	19	0.47
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	6	0.47
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	12	0.47
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	18	0.47
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	18	0.47
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	5	0.47
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	2	0.47
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	12	0.47
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	12	0.47
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	12	0.47
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	12	0.47
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	12	0.47
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	12	0.47
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	8	0.47
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	10	0.47
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	8	0.47
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	15	0.47
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	8	0.47
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	3	0.47
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	5	0.47
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	9	0.47
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	2	0.47
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	7	0.47
(1,2014)	1:407:A:LEU:HB2	1:408:A:PHE:H	13	0.47
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	2	0.47
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	5	0.47
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	5	0.47
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	7	0.47
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	7	0.47
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	10	0.47
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	19	0.47
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	19	0.47
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	1	0.47
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	1	0.47
(1,1956)	1:407:A:LEU:HD11	1:459:A:ALA:H	7	0.47
(1,1956)	1:407:A:LEU:HD12	1:459:A:ALA:H	7	0.47
(1,1956)	1:407:A:LEU:HD13	1:459:A:ALA:H	7	0.47
(1,1956)	1:407:A:LEU:HD21	1:459:A:ALA:H	7	0.47
(1,1956)	1:407:A:LEU:HD22	1:459:A:ALA:H	7	0.47
(1,1956)	1:407:A:LEU:HD23	1:459:A:ALA:H	7	0.47
(1,1956)	1:407:A:LEU:HD11	1:459:A:ALA:H	8	0.47
(1,1956)	1:407:A:LEU:HD12	1:459:A:ALA:H	8	0.47
(1,1956)	1:407:A:LEU:HD13	1:459:A:ALA:H	8	0.47
(1,1956)	1:407:A:LEU:HD21	1:459:A:ALA:H	8	0.47
(1,1956)	1:407:A:LEU:HD22	1:459:A:ALA:H	8	0.47
(1,1956)	1:407:A:LEU:HD23	1:459:A:ALA:H	8	0.47
(1,1956)	1:407:A:LEU:HD11	1:459:A:ALA:H	17	0.47
(1,1956)	1:407:A:LEU:HD12	1:459:A:ALA:H	17	0.47
(1,1956)	1:407:A:LEU:HD13	1:459:A:ALA:H	17	0.47
(1,1956)	1:407:A:LEU:HD21	1:459:A:ALA:H	17	0.47
(1,1956)	1:407:A:LEU:HD22	1:459:A:ALA:H	17	0.47
(1,1956)	1:407:A:LEU:HD23	1:459:A:ALA:H	17	0.47
(1,1925)	1:452:A:SER:HB2	1:453:A:TYR:H	11	0.47
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	2	0.47
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	1	0.47
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	1	0.47
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	15	0.47
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	15	0.47
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	3	0.47
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	13	0.47
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	13	0.47
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	20	0.47
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	17	0.47
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	4	0.47
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	3	0.47
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	3	0.47
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	6	0.47
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	7	0.47
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	13	0.47
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	18	0.47
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	1	0.47
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1782)	1:481:A:LYS:H	1:481:A:LYS:HB3	11	0.47
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	2	0.47
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	3	0.47
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	9	0.47
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	8	0.47
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	8	0.47
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	8	0.47
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	13	0.47
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	15	0.47
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	12	0.47
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	10	0.47
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	12	0.47
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	18	0.47
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	18	0.47
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	18	0.47
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	17	0.47
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	17	0.47
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	17	0.47
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	17	0.47
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	10	0.47
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	10	0.47
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	18	0.47
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	19	0.47
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	3	0.47
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	1	0.47
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	6	0.47
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	3	0.47
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	14	0.47
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	5	0.47
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	5	0.47
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	14	0.47
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	14	0.47
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	14	0.47
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	11	0.47
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	13	0.47
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	14	0.47
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	10	0.47
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	10	0.47
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	10	0.47
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	19	0.47
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	19	0.47
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	19	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	18	0.47
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	18	0.47
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	4	0.47
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	4	0.47
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	4	0.47
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	6	0.47
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	4	0.47
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	4	0.47
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	10	0.47
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	10	0.47
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	4	0.47
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	9	0.47
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	4	0.47
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	8	0.47
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	10	0.47
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	10	0.47
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	10	0.47
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	10	0.47
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	10	0.47
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	10	0.47
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	16	0.47
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	16	0.47
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	16	0.47
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	16	0.47
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	16	0.47
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	16	0.47
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	19	0.47
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	11	0.47
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	11	0.47
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	11	0.47
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	5	0.47
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	5	0.47
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	5	0.47
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	5	0.47
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	7	0.47
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	8	0.47
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	20	0.47
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG2	1	0.47
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG3	1	0.47
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG2	19	0.47
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG3	19	0.47
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	7	0.47
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	7	0.47
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	7	0.47
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	13	0.47
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	13	0.47
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	13	0.47
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	13	0.47
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG2	16	0.47
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG3	16	0.47
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	4	0.47
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	12	0.47
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	15	0.47
(1,1009)	1:423:A:GLN:HA	1:423:A:GLN:HE21	4	0.47
(1,1009)	1:423:A:GLN:HA	1:423:A:GLN:HE21	5	0.47
(1,1009)	1:423:A:GLN:HA	1:423:A:GLN:HE21	9	0.47
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	16	0.47
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	17	0.47
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	17	0.47
(1,921)	1:400:A:GLU:HG3	1:452:A:SER:HB2	20	0.47
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	20	0.47
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	11	0.47
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	11	0.47
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	11	0.47
(1,873)	1:451:A:VAL:HA	1:452:A:SER:HB3	8	0.47
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	16	0.47
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	16	0.47
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	13	0.47
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	13	0.47
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	13	0.47
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	19	0.47
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	19	0.47
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	19	0.47
(1,837)	1:443:A:ASN:H	1:443:A:ASN:HB3	1	0.47
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	17	0.47
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	17	0.47
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	17	0.47
(1,786)	1:485:A:ASN:HB2	1:486:A:ASP:H	5	0.47
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	11	0.47
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	7	0.47
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	7	0.47
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	7	0.47
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	18	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	18	0.47
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	18	0.47
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	19	0.47
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	19	0.47
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	19	0.47
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	2	0.47
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	8	0.47
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	8	0.47
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	8	0.47
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	13	0.47
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	13	0.47
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	13	0.47
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	1	0.47
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	1	0.47
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	1	0.47
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	7	0.47
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	7	0.47
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	7	0.47
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	1	0.47
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	1	0.47
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	1	0.47
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	7	0.47
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	7	0.47
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	7	0.47
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	12	0.47
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	7	0.47
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	7	0.47
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	7	0.47
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	9	0.47
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	9	0.47
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	9	0.47
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	19	0.47
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	19	0.47
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	19	0.47
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	10	0.47
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	10	0.47
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	6	0.47
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	10	0.47
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	10	0.47
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	7	0.47
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	7	0.47
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	12	0.47
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	12	0.47
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	12	0.47
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	7	0.47
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	7	0.47
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	7	0.47
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	7	0.47
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	8	0.47
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	8	0.47
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	8	0.47
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	9	0.47
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	9	0.47
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	9	0.47
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	20	0.47
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	20	0.47
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	20	0.47
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	4	0.47
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	4	0.47
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	4	0.47
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	4	0.47
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	4	0.47
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	4	0.47
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	11	0.47
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	11	0.47
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	11	0.47
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	11	0.47
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	11	0.47
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	11	0.47
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	14	0.47
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	14	0.47
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	14	0.47
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	14	0.47
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	14	0.47
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	14	0.47
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	12	0.47
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	16	0.47
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	18	0.47
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	9	0.47
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	9	0.47
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	9	0.47
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	12	0.47
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	12	0.47
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	12	0.47
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	8	0.47
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	8	0.47
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	13	0.47
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	13	0.47
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	17	0.47
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	15	0.47
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	15	0.47
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	15	0.47
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	5	0.47
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	5	0.47
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	5	0.47
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	12	0.47
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	12	0.47
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	12	0.47
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	12	0.47
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	12	0.47
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	12	0.47
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	20	0.47
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	15	0.47
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	15	0.47
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	15	0.47
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	15	0.47
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	15	0.47
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	15	0.47
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	2	0.47
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	2	0.47
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	2	0.47
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	10	0.47
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	10	0.47
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	10	0.47
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	15	0.47
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	15	0.47
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	15	0.47
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	15	0.47
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	15	0.47
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	15	0.47
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	6	0.47
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	6	0.47
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	6	0.47
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	11	0.47
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	11	0.47
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	19	0.47
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	19	0.47
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	19	0.47
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	19	0.47
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	19	0.47
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	19	0.47
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	11	0.47
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	11	0.47
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	11	0.47
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	11	0.47
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	11	0.47
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	11	0.47
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	12	0.47
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	12	0.47
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	12	0.47
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	12	0.47
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	12	0.47
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	12	0.47
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	12	0.47
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	12	0.47
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	12	0.47
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	12	0.47
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	12	0.47
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	12	0.47
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	12	0.47
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	12	0.47
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	12	0.47
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	12	0.47
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	12	0.47
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	12	0.47
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	12	0.47
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	12	0.47
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	12	0.47
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	12	0.47
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	12	0.47
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	12	0.47
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	12	0.47
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	12	0.47
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	12	0.47
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	12	0.47
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	12	0.47
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	12	0.47
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	12	0.47
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	12	0.47
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	12	0.47
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	12	0.47
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	12	0.47
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	1	0.47
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	1	0.47
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	1	0.47
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	1	0.47
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	1	0.47
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	1	0.47
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	1	0.47
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	1	0.47
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	1	0.47
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	1	0.47
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	1	0.47
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	1	0.47
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	3	0.47
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	5	0.47
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	12	0.47
(1,48)	1:407:A:LEU:HD11	1:479:A:GLN:HA	13	0.47
(1,48)	1:407:A:LEU:HD12	1:479:A:GLN:HA	13	0.47
(1,48)	1:407:A:LEU:HD13	1:479:A:GLN:HA	13	0.47
(1,48)	1:407:A:LEU:HD21	1:479:A:GLN:HA	13	0.47
(1,48)	1:407:A:LEU:HD22	1:479:A:GLN:HA	13	0.47
(1,48)	1:407:A:LEU:HD23	1:479:A:GLN:HA	13	0.47
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	14	0.47
(1,39)	1:409:A:ILE:HG21	1:476:A:LEU:HG	17	0.47
(1,39)	1:409:A:ILE:HG22	1:476:A:LEU:HG	17	0.47
(1,39)	1:409:A:ILE:HG23	1:476:A:LEU:HG	17	0.47
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	20	0.47
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	20	0.47
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	20	0.47
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD1	16	0.47
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD2	16	0.47
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	19	0.46
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	8	0.46
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	8	0.46
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	14	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	14	0.46
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	19	0.46
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	19	0.46
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD1	11	0.46
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD2	11	0.46
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD1	11	0.46
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD2	11	0.46
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD1	11	0.46
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD2	11	0.46
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD1	11	0.46
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD2	11	0.46
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD1	11	0.46
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD2	11	0.46
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD1	11	0.46
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD2	11	0.46
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	4	0.46
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	4	0.46
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	6	0.46
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	6	0.46
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	19	0.46
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	19	0.46
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	3	0.46
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	3	0.46
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	3	0.46
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	6	0.46
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	6	0.46
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	6	0.46
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	16	0.46
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	16	0.46
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	16	0.46
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	17	0.46
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	14	0.46
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	20	0.46
(1,2280)	1:463:A:ILE:HG21	1:464:A:GLN:HE22	5	0.46
(1,2280)	1:463:A:ILE:HG22	1:464:A:GLN:HE22	5	0.46
(1,2280)	1:463:A:ILE:HG23	1:464:A:GLN:HE22	5	0.46
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	11	0.46
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	11	0.46
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	15	0.46
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	15	0.46
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	17	0.46
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	17	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	5	0.46
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	16	0.46
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	16	0.46
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	11	0.46
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	11	0.46
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	11	0.46
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	6	0.46
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	15	0.46
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	10	0.46
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	10	0.46
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	10	0.46
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	10	0.46
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	10	0.46
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	10	0.46
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	4	0.46
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	4	0.46
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	7	0.46
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	8	0.46
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	15	0.46
(1,2098)	1:464:A:GLN:H	1:466:A:MET:H	8	0.46
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	13	0.46
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	12	0.46
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	20	0.46
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	13	0.46
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	19	0.46
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	17	0.46
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	18	0.46
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	18	0.46
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	17	0.46
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	19	0.46
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	1	0.46
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	1	0.46
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	1	0.46
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	20	0.46
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	20	0.46
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	12	0.46
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	12	0.46
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	1	0.46
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	4	0.46
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	9	0.46
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	11	0.46
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	4	0.46
(1,1798)	1:476:A:LEU:HA	1:477:A:LYS:H	8	0.46
(1,1782)	1:481:A:LYS:H	1:481:A:LYS:HB3	2	0.46
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	1	0.46
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	7	0.46
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	19	0.46
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	5	0.46
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	17	0.46
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	5	0.46
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	12	0.46
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	10	0.46
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	15	0.46
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	15	0.46
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	15	0.46
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	19	0.46
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	19	0.46
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	19	0.46
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	3	0.46
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	11	0.46
(1,1731)	1:425:A:PHE:H	1:426:A:MET:H	14	0.46
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	7	0.46
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	7	0.46
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	7	0.46
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	7	0.46
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	7	0.46
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	7	0.46
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	7	0.46
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	7	0.46
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	7	0.46
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	7	0.46
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	7	0.46
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	7	0.46
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	13	0.46
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	13	0.46
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	13	0.46
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	13	0.46
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	13	0.46
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	13	0.46
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	13	0.46
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	13	0.46
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	13	0.46
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	13	0.46
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	13	0.46
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	12	0.46
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	12	0.46
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	12	0.46
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	12	0.46
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	20	0.46
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	20	0.46
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	20	0.46
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	20	0.46
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	9	0.46
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	9	0.46
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	12	0.46
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	12	0.46
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	1	0.46
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	1	0.46
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	19	0.46
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	20	0.46
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	4	0.46
(1,1625)	1:455:A:ASN:HA	1:456:A:PRO:HD2	13	0.46
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	3	0.46
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	20	0.46
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	20	0.46
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	18	0.46
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	8	0.46
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	8	0.46
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	8	0.46
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	7	0.46
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	7	0.46
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	8	0.46
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	8	0.46
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	11	0.46
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	11	0.46
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	17	0.46
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	17	0.46
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	20	0.46
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	20	0.46
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	3	0.46
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	12	0.46
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	12	0.46
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	13	0.46
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	2	0.46
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	2	0.46
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	2	0.46
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	9	0.46
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	9	0.46
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	9	0.46
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	13	0.46
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	13	0.46
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	13	0.46
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	19	0.46
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	19	0.46
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	19	0.46
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	1	0.46
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	1	0.46
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	1	0.46
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	2	0.46
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	2	0.46
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	2	0.46
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	11	0.46
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	19	0.46
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	19	0.46
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	18	0.46
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	18	0.46
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	19	0.46
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	19	0.46
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	3	0.46
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	3	0.46
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	7	0.46
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	11	0.46
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD2	12	0.46
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD3	12	0.46
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD2	12	0.46
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD3	12	0.46
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD2	16	0.46
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD3	16	0.46
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD2	16	0.46
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD3	16	0.46
(1,1302)	1:472:A:GLY:HA3	1:473:A:MET:HG3	2	0.46
(1,1301)	1:472:A:GLY:HA2	1:473:A:MET:HG3	1	0.46
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD2	7	0.46
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD3	7	0.46
(1,1251)	1:446:A:LYS:HB2	1:448:A:PHE:HD1	2	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1251)	1:446:A:LYS:HB2	1:448:A:PHE:HD2	2	0.46
(1,1251)	1:446:A:LYS:HB3	1:448:A:PHE:HD1	2	0.46
(1,1251)	1:446:A:LYS:HB3	1:448:A:PHE:HD2	2	0.46
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	9	0.46
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	9	0.46
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	20	0.46
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	20	0.46
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	20	0.46
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	13	0.46
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	13	0.46
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	13	0.46
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	20	0.46
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	20	0.46
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	20	0.46
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	20	0.46
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	20	0.46
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	20	0.46
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	19	0.46
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	16	0.46
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	16	0.46
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	16	0.46
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	16	0.46
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	6	0.46
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG2	9	0.46
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG3	9	0.46
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	11	0.46
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	11	0.46
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB2	6	0.46
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB3	6	0.46
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG2	1	0.46
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG3	1	0.46
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	20	0.46
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	14	0.46
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	14	0.46
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	14	0.46
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	14	0.46
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	3	0.46
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	9	0.46
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	11	0.46
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	11	0.46
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	11	0.46
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	7	0.46
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	14	0.46
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	14	0.46
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	14	0.46
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	7	0.46
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	7	0.46
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	15	0.46
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	15	0.46
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	17	0.46
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	17	0.46
(1,926)	1:400:A:GLU:HG2	1:452:A:SER:HB2	8	0.46
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	4	0.46
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	4	0.46
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	4	0.46
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	18	0.46
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	18	0.46
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	18	0.46
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	18	0.46
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	18	0.46
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	18	0.46
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	18	0.46
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	18	0.46
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	18	0.46
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	9	0.46
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	9	0.46
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	7	0.46
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	7	0.46
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	7	0.46
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	8	0.46
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	8	0.46
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	8	0.46
(1,837)	1:443:A:ASN:H	1:443:A:ASN:HB3	5	0.46
(1,837)	1:443:A:ASN:H	1:443:A:ASN:HB3	17	0.46
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	8	0.46
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	1	0.46
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	1	0.46
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	1	0.46
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	6	0.46
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	6	0.46
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	6	0.46
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	16	0.46
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	16	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	16	0.46
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	20	0.46
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	20	0.46
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	20	0.46
(1,677)	1:471:A:ILE:HG21	1:472:A:GLY:HA3	13	0.46
(1,677)	1:471:A:ILE:HG22	1:472:A:GLY:HA3	13	0.46
(1,677)	1:471:A:ILE:HG23	1:472:A:GLY:HA3	13	0.46
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	2	0.46
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	2	0.46
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	10	0.46
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	10	0.46
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	13	0.46
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	13	0.46
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	13	0.46
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	13	0.46
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	15	0.46
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	2	0.46
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	2	0.46
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	2	0.46
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	6	0.46
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	6	0.46
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	6	0.46
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	15	0.46
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	15	0.46
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	15	0.46
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	17	0.46
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	17	0.46
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	17	0.46
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE1	12	0.46
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE2	12	0.46
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	7	0.46
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	19	0.46
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	19	0.46
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	20	0.46
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	20	0.46
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	12	0.46
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	12	0.46
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	12	0.46
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	19	0.46
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	19	0.46
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	19	0.46
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,370)	1:407:A:LEU:HD11	1:452:A:SER:HB2	16	0.46
(1,370)	1:407:A:LEU:HD12	1:452:A:SER:HB2	16	0.46
(1,370)	1:407:A:LEU:HD13	1:452:A:SER:HB2	16	0.46
(1,370)	1:407:A:LEU:HD21	1:452:A:SER:HB2	16	0.46
(1,370)	1:407:A:LEU:HD22	1:452:A:SER:HB2	16	0.46
(1,370)	1:407:A:LEU:HD23	1:452:A:SER:HB2	16	0.46
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	18	0.46
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	18	0.46
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	18	0.46
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	18	0.46
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	18	0.46
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	18	0.46
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	18	0.46
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	18	0.46
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	18	0.46
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	18	0.46
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	18	0.46
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	18	0.46
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	18	0.46
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	18	0.46
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	18	0.46
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	18	0.46
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	18	0.46
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	18	0.46
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	19	0.46
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	3	0.46
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	3	0.46
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	3	0.46
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	3	0.46
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	3	0.46
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	3	0.46
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	6	0.46
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	14	0.46
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	17	0.46
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	20	0.46
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	1	0.46
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	1	0.46
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	1	0.46
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	18	0.46
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	18	0.46
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	18	0.46
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	3	0.46
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	3	0.46
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	3	0.46
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	3	0.46
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	3	0.46
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	14	0.46
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	14	0.46
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	14	0.46
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	5	0.46
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	5	0.46
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	5	0.46
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	14	0.46
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	14	0.46
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	14	0.46
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	16	0.46
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	16	0.46
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	17	0.46
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	17	0.46
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	17	0.46
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	17	0.46
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	17	0.46
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	17	0.46
(1,200)	1:404:A:GLY:HA2	1:456:A:PRO:HB3	20	0.46
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	1	0.46
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	1	0.46
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	1	0.46
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	4	0.46
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	4	0.46
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	4	0.46
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	18	0.46
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	9	0.46
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	9	0.46
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	9	0.46
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	12	0.46
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	12	0.46
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	12	0.46
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	12	0.46
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	12	0.46
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	12	0.46
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	19	0.46
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	19	0.46
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	19	0.46
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	19	0.46
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	19	0.46
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	4	0.46
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	4	0.46
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	4	0.46
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	4	0.46
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	4	0.46
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	4	0.46
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	4	0.46
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	4	0.46
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	4	0.46
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	4	0.46
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	4	0.46
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	4	0.46
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	1	0.46
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	6	0.46
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	8	0.46
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	13	0.46
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	8	0.46
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	8	0.46
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	15	0.46
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	15	0.46
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	14	0.46
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	4	0.46
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	10	0.46
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	10	0.46
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	12	0.46
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	1	0.46
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	18	0.45
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	18	0.45
(1,2379)	1:436:A:VAL:HA	1:450:A:PHE:HD1	1	0.45
(1,2379)	1:436:A:VAL:HA	1:450:A:PHE:HD2	1	0.45
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	19	0.45
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	19	0.45
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	9	0.45
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	9	0.45
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	12	0.45
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	12	0.45
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD1	5	0.45
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD2	5	0.45
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD1	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD2	5	0.45
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD1	5	0.45
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD2	5	0.45
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD1	5	0.45
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD2	5	0.45
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD1	5	0.45
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD2	5	0.45
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD1	5	0.45
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD2	5	0.45
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD1	15	0.45
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD2	15	0.45
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD1	2	0.45
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD2	2	0.45
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	5	0.45
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	12	0.45
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	12	0.45
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	12	0.45
(1,2280)	1:463:A:ILE:HG21	1:464:A:GLN:HE22	11	0.45
(1,2280)	1:463:A:ILE:HG22	1:464:A:GLN:HE22	11	0.45
(1,2280)	1:463:A:ILE:HG23	1:464:A:GLN:HE22	11	0.45
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB2	20	0.45
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB3	20	0.45
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	2	0.45
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	14	0.45
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	14	0.45
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	16	0.45
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	17	0.45
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	1	0.45
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	2	0.45
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	2	0.45
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	2	0.45
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	2	0.45
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	2	0.45
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	2	0.45
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	6	0.45
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	6	0.45
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	6	0.45
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	6	0.45
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	6	0.45
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	6	0.45
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	9	0.45
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	1	0.45
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	7	0.45
(1,2141)	1:445:A:SER:H	1:445:A:SER:HB2	14	0.45
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	1	0.45
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	12	0.45
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	13	0.45
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	15	0.45
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	12	0.45
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	16	0.45
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	14	0.45
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	4	0.45
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	3	0.45
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	19	0.45
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	1	0.45
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	1	0.45
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	12	0.45
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	12	0.45
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	14	0.45
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	14	0.45
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	8	0.45
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	8	0.45
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	13	0.45
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	13	0.45
(1,1956)	1:407:A:LEU:HD11	1:459:A:ALA:H	3	0.45
(1,1956)	1:407:A:LEU:HD12	1:459:A:ALA:H	3	0.45
(1,1956)	1:407:A:LEU:HD13	1:459:A:ALA:H	3	0.45
(1,1956)	1:407:A:LEU:HD21	1:459:A:ALA:H	3	0.45
(1,1956)	1:407:A:LEU:HD22	1:459:A:ALA:H	3	0.45
(1,1956)	1:407:A:LEU:HD23	1:459:A:ALA:H	3	0.45
(1,1956)	1:407:A:LEU:HD11	1:459:A:ALA:H	19	0.45
(1,1956)	1:407:A:LEU:HD12	1:459:A:ALA:H	19	0.45
(1,1956)	1:407:A:LEU:HD13	1:459:A:ALA:H	19	0.45
(1,1956)	1:407:A:LEU:HD21	1:459:A:ALA:H	19	0.45
(1,1956)	1:407:A:LEU:HD22	1:459:A:ALA:H	19	0.45
(1,1956)	1:407:A:LEU:HD23	1:459:A:ALA:H	19	0.45
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	8	0.45
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	15	0.45
(1,1901)	1:418:A:ASP:H	1:418:A:ASP:HB3	10	0.45
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	18	0.45
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	18	0.45
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	18	0.45
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	19	0.45
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	19	0.45
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	6	0.45
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	6	0.45
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	19	0.45
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	19	0.45
(1,1867)	1:418:A:ASP:HB2	1:436:A:VAL:H	4	0.45
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	17	0.45
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	2	0.45
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	18	0.45
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	4	0.45
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	13	0.45
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	3	0.45
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	13	0.45
(1,1791)	1:408:A:PHE:HA	1:451:A:VAL:H	14	0.45
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	18	0.45
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	2	0.45
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	3	0.45
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	7	0.45
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	10	0.45
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	11	0.45
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	14	0.45
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	18	0.45
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	19	0.45
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	11	0.45
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	18	0.45
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	10	0.45
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	15	0.45
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	18	0.45
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	19	0.45
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	3	0.45
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	6	0.45
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	8	0.45
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	9	0.45
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	15	0.45
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	15	0.45
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	14	0.45
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	14	0.45
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	18	0.45
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	18	0.45
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	6	0.45
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	3	0.45
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	11	0.45
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	17	0.45
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	20	0.45
(1,1629)	1:405:A:ALA:HA	1:455:A:ASN:HA	17	0.45
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	9	0.45
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	9	0.45
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	19	0.45
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	17	0.45
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	5	0.45
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	5	0.45
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	5	0.45
(1,1489)	1:481:A:LYS:HA	1:481:A:LYS:HD3	11	0.45
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	6	0.45
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	12	0.45
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	12	0.45
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	12	0.45
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	5	0.45
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	5	0.45
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	7	0.45
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	7	0.45
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	19	0.45
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	19	0.45
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	16	0.45
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	16	0.45
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	16	0.45
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	18	0.45
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	18	0.45
(1,1359)	1:474:A:LYS:HA	1:474:A:LYS:HG2	8	0.45
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	6	0.45
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	6	0.45
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	13	0.45
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	13	0.45
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	16	0.45
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	16	0.45
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	11	0.45
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD2	8	0.45
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD3	8	0.45
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD2	8	0.45
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD3	8	0.45
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	7	0.45
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	20	0.45
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	18	0.45
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	18	0.45
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	2	0.45
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	2	0.45
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	2	0.45
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	2	0.45
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	2	0.45
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	2	0.45
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	8	0.45
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	9	0.45
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	9	0.45
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	9	0.45
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	18	0.45
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	18	0.45
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	18	0.45
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	18	0.45
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	18	0.45
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE2	8	0.45
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE3	8	0.45
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	13	0.45
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	13	0.45
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	13	0.45
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	13	0.45
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	14	0.45
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	14	0.45
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	14	0.45
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	14	0.45
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	16	0.45
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	16	0.45
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	16	0.45
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	16	0.45
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	5	0.45
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	5	0.45
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	6	0.45
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	6	0.45
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG2	6	0.45
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG3	6	0.45
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG2	9	0.45
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG3	9	0.45
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG2	11	0.45
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG3	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	3	0.45
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	4	0.45
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	14	0.45
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	5	0.45
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	5	0.45
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG2	2	0.45
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG3	2	0.45
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG2	17	0.45
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG3	17	0.45
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	8	0.45
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	8	0.45
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	9	0.45
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	9	0.45
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	14	0.45
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	14	0.45
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	18	0.45
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	18	0.45
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	4	0.45
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	4	0.45
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	1	0.45
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	7	0.45
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	18	0.45
(1,1009)	1:423:A:GLN:HA	1:423:A:GLN:HE21	19	0.45
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	5	0.45
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	5	0.45
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	11	0.45
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	11	0.45
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	18	0.45
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	18	0.45
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	20	0.45
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	8	0.45
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	8	0.45
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	15	0.45
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	15	0.45
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	6	0.45
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	17	0.45
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	17	0.45
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	17	0.45
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	9	0.45
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	20	0.45
(1,960)	1:409:A:ILE:HA	1:410:A:TYR:HB2	7	0.45
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	14	0.45
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	14	0.45
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	14	0.45
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	10	0.45
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	10	0.45
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	10	0.45
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	9	0.45
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	9	0.45
(1,889)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	9	0.45
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	9	0.45
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	9	0.45
(1,889)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	9	0.45
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	9	0.45
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	9	0.45
(1,889)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	9	0.45
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	14	0.45
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	14	0.45
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	5	0.45
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	5	0.45
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	4	0.45
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	4	0.45
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	4	0.45
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD11	17	0.45
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD12	17	0.45
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD13	17	0.45
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD21	17	0.45
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD22	17	0.45
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD23	17	0.45
(1,830)	1:438:A:ILE:HG21	1:443:A:ASN:HB2	16	0.45
(1,830)	1:438:A:ILE:HG22	1:443:A:ASN:HB2	16	0.45
(1,830)	1:438:A:ILE:HG23	1:443:A:ASN:HB2	16	0.45
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	1	0.45
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	1	0.45
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	1	0.45
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	1	0.45
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	1	0.45
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	1	0.45
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	1	0.45
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	1	0.45
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	1	0.45
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	11	0.45
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	12	0.45
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	10	0.45
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	10	0.45
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	10	0.45
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	2	0.45
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	2	0.45
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	2	0.45
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	5	0.45
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	5	0.45
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	5	0.45
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	18	0.45
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	18	0.45
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	18	0.45
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	2	0.45
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	2	0.45
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	2	0.45
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	5	0.45
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	5	0.45
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	5	0.45
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	13	0.45
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	13	0.45
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	13	0.45
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	2	0.45
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	2	0.45
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	2	0.45
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	10	0.45
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	10	0.45
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	10	0.45
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	13	0.45
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	13	0.45
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	13	0.45
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	15	0.45
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	15	0.45
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	15	0.45
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	16	0.45
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	16	0.45
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	16	0.45
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	18	0.45
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	18	0.45
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	18	0.45
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	18	0.45
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	18	0.45
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	18	0.45
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	18	0.45
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	18	0.45
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	9	0.45
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	5	0.45
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	8	0.45
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE1	14	0.45
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE2	14	0.45
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	1	0.45
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	1	0.45
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	1	0.45
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	3	0.45
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	3	0.45
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	11	0.45
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	11	0.45
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	15	0.45
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	15	0.45
(1,419)	1:480:A:LEU:HB2	1:481:A:LYS:H	16	0.45
(1,419)	1:480:A:LEU:HB3	1:481:A:LYS:H	16	0.45
(1,419)	1:480:A:LEU:HB2	1:481:A:LYS:H	17	0.45
(1,419)	1:480:A:LEU:HB3	1:481:A:LYS:H	17	0.45
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	7	0.45
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	7	0.45
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	12	0.45
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	12	0.45
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG21	14	0.45
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG22	14	0.45
(1,401)	1:463:A:ILE:HA	1:463:A:ILE:HG23	14	0.45
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	14	0.45
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	18	0.45
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	19	0.45
(1,375)	1:468:A:GLY:H	1:475:A:ARG:HD3	13	0.45
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	8	0.45
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	8	0.45
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	8	0.45
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	15	0.45
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	15	0.45
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	15	0.45
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	19	0.45
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	19	0.45
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	3	0.45
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	5	0.45
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	5	0.45
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	5	0.45
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	4	0.45
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	4	0.45
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	4	0.45
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	13	0.45
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	13	0.45
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	13	0.45
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	15	0.45
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	13	0.45
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	13	0.45
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	13	0.45
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	9	0.45
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	9	0.45
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	9	0.45
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	17	0.45
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	17	0.45
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	17	0.45
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	13	0.45
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	13	0.45
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	13	0.45
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	13	0.45
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	13	0.45
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	13	0.45
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	13	0.45
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	13	0.45
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	13	0.45
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	5	0.45
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	5	0.45
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	5	0.45
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	7	0.45
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	7	0.45
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	7	0.45
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	11	0.45
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	11	0.45
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	11	0.45
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	1	0.45
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	9	0.45
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	20	0.45
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	3	0.45
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	3	0.45
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	3	0.45
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	3	0.45
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	3	0.45
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	11	0.45
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	11	0.45
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	11	0.45
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	12	0.45
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	12	0.45
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	12	0.45
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	15	0.45
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	15	0.45
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	15	0.45
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	9	0.45
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	9	0.45
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	9	0.45
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	9	0.45
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	9	0.45
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	9	0.45
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	9	0.45
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	14	0.45
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	14	0.45
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	14	0.45
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	14	0.45
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	14	0.45
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	14	0.45
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	15	0.45
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	15	0.45
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	15	0.45
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	15	0.45
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	15	0.45
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	15	0.45
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	9	0.45
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	9	0.45
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	9	0.45
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	9	0.45
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	9	0.45
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	9	0.45
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	9	0.45
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	9	0.45
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	9	0.45
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	9	0.45
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	9	0.45
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	4	0.45
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	11	0.45
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	18	0.45
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	6	0.45
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	6	0.45
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	14	0.45
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	14	0.45
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	10	0.45
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	10	0.45
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	13	0.45
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	13	0.45
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE1	20	0.45
(1,44)	1:407:A:LEU:HD11	1:425:A:PHE:HE2	20	0.45
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE1	20	0.45
(1,44)	1:407:A:LEU:HD12	1:425:A:PHE:HE2	20	0.45
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE1	20	0.45
(1,44)	1:407:A:LEU:HD13	1:425:A:PHE:HE2	20	0.45
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE1	20	0.45
(1,44)	1:407:A:LEU:HD21	1:425:A:PHE:HE2	20	0.45
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE1	20	0.45
(1,44)	1:407:A:LEU:HD22	1:425:A:PHE:HE2	20	0.45
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE1	20	0.45
(1,44)	1:407:A:LEU:HD23	1:425:A:PHE:HE2	20	0.45
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	19	0.45
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	19	0.45
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	19	0.45
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	12	0.44
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	12	0.44
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	4	0.44
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	4	0.44
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	9	0.44
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	9	0.44
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	17	0.44
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	17	0.44
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	3	0.44
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	3	0.44
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	3	0.44
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	3	0.44
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	3	0.44
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	6	0.44
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	6	0.44
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	11	0.44
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	11	0.44
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	5	0.44
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	5	0.44
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	5	0.44
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	5	0.44
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	5	0.44
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	5	0.44
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	5	0.44
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	5	0.44
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	5	0.44
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	5	0.44
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	5	0.44
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	5	0.44
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	12	0.44
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	12	0.44
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	12	0.44
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	12	0.44
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	12	0.44
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	12	0.44
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	12	0.44
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	12	0.44
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	12	0.44
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	12	0.44
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	12	0.44
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	12	0.44
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	9	0.44
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	9	0.44
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD1	13	0.44
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD2	13	0.44
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD1	18	0.44
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD2	18	0.44
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	10	0.44
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	10	0.44
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	10	0.44
(1,2321)	1:412:A:LEU:HD11	1:449:A:GLY:H	14	0.44
(1,2321)	1:412:A:LEU:HD12	1:449:A:GLY:H	14	0.44
(1,2321)	1:412:A:LEU:HD13	1:449:A:GLY:H	14	0.44
(1,2321)	1:412:A:LEU:HD21	1:449:A:GLY:H	14	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2321)	1:412:A:LEU:HD22	1:449:A:GLY:H	14	0.44
(1,2321)	1:412:A:LEU:HD23	1:449:A:GLY:H	14	0.44
(1,2290)	1:470:A:GLN:HA	1:470:A:GLN:HE21	4	0.44
(1,2290)	1:470:A:GLN:HA	1:470:A:GLN:HE21	18	0.44
(1,2280)	1:463:A:ILE:HG21	1:464:A:GLN:HE22	9	0.44
(1,2280)	1:463:A:ILE:HG22	1:464:A:GLN:HE22	9	0.44
(1,2280)	1:463:A:ILE:HG23	1:464:A:GLN:HE22	9	0.44
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	5	0.44
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	5	0.44
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	16	0.44
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	2	0.44
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	11	0.44
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	6	0.44
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	6	0.44
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	6	0.44
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	14	0.44
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	1	0.44
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	6	0.44
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	7	0.44
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	10	0.44
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	1	0.44
(1,2111)	1:418:A:ASP:HB3	1:419:A:GLN:H	11	0.44
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	2	0.44
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	3	0.44
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	4	0.44
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	14	0.44
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	3	0.44
(1,2026)	1:468:A:GLY:H	1:477:A:LYS:HA	16	0.44
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	7	0.44
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	11	0.44
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	11	0.44
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	5	0.44
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	8	0.44
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	15	0.44
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	4	0.44
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	4	0.44
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	3	0.44
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	4	0.44
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	8	0.44
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	19	0.44
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	19	0.44
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	6	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1936)	1:486:A:ASP:H	1:486:A:ASP:HB2	19	0.44
(1,1925)	1:452:A:SER:HB2	1:453:A:TYR:H	9	0.44
(1,1925)	1:452:A:SER:HB2	1:453:A:TYR:H	12	0.44
(1,1922)	1:452:A:SER:HB3	1:453:A:TYR:H	5	0.44
(1,1922)	1:452:A:SER:HB3	1:453:A:TYR:H	10	0.44
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	6	0.44
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	7	0.44
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	12	0.44
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	18	0.44
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	14	0.44
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	14	0.44
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	14	0.44
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	13	0.44
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	13	0.44
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	16	0.44
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	16	0.44
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	3	0.44
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	9	0.44
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	9	0.44
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	4	0.44
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	19	0.44
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	11	0.44
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	6	0.44
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	7	0.44
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	12	0.44
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	17	0.44
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	17	0.44
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	4	0.44
(1,1801)	1:410:A:TYR:HB2	1:477:A:LYS:H	20	0.44
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	5	0.44
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	3	0.44
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	7	0.44
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	1	0.44
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	6	0.44
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	9	0.44
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	20	0.44
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	13	0.44
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	7	0.44
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	7	0.44
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	7	0.44
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	9	0.44
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	9	0.44
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	16	0.44
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	6	0.44
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	4	0.44
(1,1742)	1:439:A:ASP:HB3	1:440:A:LYS:H	14	0.44
(1,1727)	1:431:A:VAL:HA	1:432:A:ILE:H	5	0.44
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	14	0.44
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	17	0.44
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	19	0.44
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	10	0.44
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	11	0.44
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	11	0.44
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	11	0.44
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	11	0.44
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	11	0.44
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	11	0.44
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	11	0.44
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	11	0.44
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	11	0.44
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	11	0.44
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	11	0.44
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	11	0.44
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	1	0.44
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	1	0.44
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	9	0.44
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	9	0.44
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	16	0.44
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	10	0.44
(1,1677)	1:402:A:PRO:HG2	1:405:A:ALA:H	9	0.44
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	1	0.44
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	1	0.44
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	1	0.44
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	11	0.44
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	18	0.44
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG2	12	0.44
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG3	12	0.44
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	6	0.44
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	6	0.44
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	5	0.44
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	12	0.44
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	10	0.44
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	14	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	16	0.44
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	16	0.44
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	17	0.44
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	8	0.44
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	9	0.44
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	1	0.44
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	1	0.44
(1,1517)	1:398:A:GLN:HB2	1:434:A:ALA:H	8	0.44
(1,1517)	1:398:A:GLN:HB3	1:434:A:ALA:H	8	0.44
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	16	0.44
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	16	0.44
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	16	0.44
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	16	0.44
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	15	0.44
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	9	0.44
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	6	0.44
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	6	0.44
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	9	0.44
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	15	0.44
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	5	0.44
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	5	0.44
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	10	0.44
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	10	0.44
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	16	0.44
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	16	0.44
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	14	0.44
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	14	0.44
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	14	0.44
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	3	0.44
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	3	0.44
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	3	0.44
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	3	0.44
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	3	0.44
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	3	0.44
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	6	0.44
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	11	0.44
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	11	0.44
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	12	0.44
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	12	0.44
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	5	0.44
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	5	0.44
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	9	0.44
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	19	0.44
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	19	0.44
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	20	0.44
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	20	0.44
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	20	0.44
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	20	0.44
(1,1326)	1:411:A:HIS:H	1:448:A:PHE:HA	18	0.44
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	1	0.44
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	3	0.44
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	16	0.44
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	19	0.44
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE2	17	0.44
(1,1320)	1:440:A:LYS:HB2	1:440:A:LYS:HE3	17	0.44
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE2	17	0.44
(1,1320)	1:440:A:LYS:HB3	1:440:A:LYS:HE3	17	0.44
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	5	0.44
(1,1283)	1:398:A:GLN:HA	1:398:A:GLN:HG2	9	0.44
(1,1282)	1:398:A:GLN:HA	1:398:A:GLN:HG3	3	0.44
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	6	0.44
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	6	0.44
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	6	0.44
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	6	0.44
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	6	0.44
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	6	0.44
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	12	0.44
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	12	0.44
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	12	0.44
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	12	0.44
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	12	0.44
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	12	0.44
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	5	0.44
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	17	0.44
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	7	0.44
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	20	0.44
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	10	0.44
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	10	0.44
(1,1244)	1:411:A:HIS:HB2	1:476:A:LEU:HA	20	0.44
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE2	15	0.44
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE3	15	0.44
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	10	0.44
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	10	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	10	0.44
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	10	0.44
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	19	0.44
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	19	0.44
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	19	0.44
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	19	0.44
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	8	0.44
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	8	0.44
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	20	0.44
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	20	0.44
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	14	0.44
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	14	0.44
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	9	0.44
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	11	0.44
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	18	0.44
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	2	0.44
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	2	0.44
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	15	0.44
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	15	0.44
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	1	0.44
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	1	0.44
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	2	0.44
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	2	0.44
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	10	0.44
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	10	0.44
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	16	0.44
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	16	0.44
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	17	0.44
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	17	0.44
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	1	0.44
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	12	0.44
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	6	0.44
(1,1090)	1:441:A:GLN:H	1:441:A:GLN:HG2	14	0.44
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	20	0.44
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	20	0.44
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	6	0.44
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	2	0.44
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	2	0.44
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	2	0.44
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	2	0.44
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	14	0.44
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	14	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1030)	1:403:A:GLU:HA	1:404:A:GLY:H	13	0.44
(1,1009)	1:423:A:GLN:HA	1:423:A:GLN:HE21	3	0.44
(1,1009)	1:423:A:GLN:HA	1:423:A:GLN:HE21	11	0.44
(1,1009)	1:423:A:GLN:HA	1:423:A:GLN:HE21	18	0.44
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	2	0.44
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	2	0.44
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	8	0.44
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	8	0.44
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	15	0.44
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	15	0.44
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	1	0.44
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	1	0.44
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	7	0.44
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	7	0.44
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	16	0.44
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	16	0.44
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	10	0.44
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	10	0.44
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	10	0.44
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	5	0.44
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	11	0.44
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	16	0.44
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	12	0.44
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	20	0.44
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	20	0.44
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	20	0.44
(1,880)	1:463:A:ILE:HD11	1:479:A:GLN:H	14	0.44
(1,880)	1:463:A:ILE:HD12	1:479:A:GLN:H	14	0.44
(1,880)	1:463:A:ILE:HD13	1:479:A:GLN:H	14	0.44
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	8	0.44
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	1	0.44
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	1	0.44
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	1	0.44
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	6	0.44
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	6	0.44
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	6	0.44
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	10	0.44
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	10	0.44
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	10	0.44
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD11	5	0.44
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD12	5	0.44
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD13	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD21	5	0.44
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD22	5	0.44
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD23	5	0.44
(1,830)	1:438:A:ILE:HG21	1:443:A:ASN:HB2	18	0.44
(1,830)	1:438:A:ILE:HG22	1:443:A:ASN:HB2	18	0.44
(1,830)	1:438:A:ILE:HG23	1:443:A:ASN:HB2	18	0.44
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	20	0.44
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	7	0.44
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	7	0.44
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	7	0.44
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	9	0.44
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	9	0.44
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	9	0.44
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	15	0.44
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	15	0.44
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	15	0.44
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	15	0.44
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	15	0.44
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	15	0.44
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	5	0.44
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	11	0.44
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	13	0.44
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	16	0.44
(1,713)	1:429:A:GLY:HA3	1:458:A:SER:HB2	10	0.44
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	4	0.44
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	8	0.44
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	11	0.44
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	5	0.44
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	5	0.44
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	5	0.44
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	20	0.44
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	20	0.44
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	20	0.44
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	5	0.44
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	5	0.44
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	5	0.44
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	2	0.44
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	2	0.44
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	2	0.44
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	16	0.44
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	16	0.44
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	7	0.44
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	7	0.44
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	14	0.44
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	14	0.44
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	14	0.44
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB2	2	0.44
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB3	2	0.44
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	11	0.44
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	11	0.44
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	3	0.44
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	3	0.44
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	3	0.44
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	5	0.44
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	5	0.44
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	5	0.44
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	3	0.44
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	11	0.44
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	3	0.44
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	3	0.44
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	3	0.44
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	14	0.44
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	14	0.44
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	14	0.44
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	19	0.44
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	19	0.44
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	19	0.44
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	6	0.44
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	6	0.44
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	6	0.44
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	5	0.44
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	5	0.44
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	5	0.44
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	5	0.44
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	5	0.44
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	5	0.44
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	10	0.44
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	10	0.44
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	10	0.44
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	10	0.44
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	10	0.44
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	10	0.44
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	2	0.44
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	18	0.44
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	18	0.44
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	12	0.44
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	14	0.44
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	14	0.44
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	14	0.44
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	14	0.44
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	13	0.44
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	13	0.44
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	13	0.44
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	13	0.44
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	13	0.44
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	13	0.44
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	13	0.44
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	13	0.44
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	13	0.44
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	13	0.44
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	13	0.44
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	13	0.44
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	4	0.44
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	4	0.44
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	4	0.44
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	16	0.44
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	16	0.44
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	16	0.44
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	2	0.44
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	2	0.44
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	2	0.44
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	2	0.44
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	14	0.44
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	14	0.44
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	11	0.44
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	11	0.44
(1,441)	1:433:A:SER:HB3	1:452:A:SER:HB3	8	0.44
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	9	0.44
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	14	0.44
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	17	0.44
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	10	0.44
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	10	0.44
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	10	0.44
(1,344)	1:405:A:ALA:HB1	1:406:A:ASN:H	18	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:405:A:ALA:HB2	1:406:A:ASN:H	18	0.44
(1,344)	1:405:A:ALA:HB3	1:406:A:ASN:H	18	0.44
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	1	0.44
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	1	0.44
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	1	0.44
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	17	0.44
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	17	0.44
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	17	0.44
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	16	0.44
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	19	0.44
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	19	0.44
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	19	0.44
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	19	0.44
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	19	0.44
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	19	0.44
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	11	0.44
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	11	0.44
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	11	0.44
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	14	0.44
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	14	0.44
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	14	0.44
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	7	0.44
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	7	0.44
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	7	0.44
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	7	0.44
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	7	0.44
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	7	0.44
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	12	0.44
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	12	0.44
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	12	0.44
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	12	0.44
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	12	0.44
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	12	0.44
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	10	0.44
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	10	0.44
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	10	0.44
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	17	0.44
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	17	0.44
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	17	0.44
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	1	0.44
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	1	0.44
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	5	0.44
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	5	0.44
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	5	0.44
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	5	0.44
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	5	0.44
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	5	0.44
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	13	0.44
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	13	0.44
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	13	0.44
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	13	0.44
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	13	0.44
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	13	0.44
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	20	0.44
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	20	0.44
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	20	0.44
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	20	0.44
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	20	0.44
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	20	0.44
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	2	0.44
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	2	0.44
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	2	0.44
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	15	0.44
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	15	0.44
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	15	0.44
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	9	0.44
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	9	0.44
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	9	0.44
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	9	0.44
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	9	0.44
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	9	0.44
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	1	0.44
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	1	0.44
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	1	0.44
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	1	0.44
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	1	0.44
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	1	0.44
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	11	0.44
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	11	0.44
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	11	0.44
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	11	0.44
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	11	0.44
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	12	0.44
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	12	0.44
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	12	0.44
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	12	0.44
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	12	0.44
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	12	0.44
(1,117)	1:442:A:THR:HG21	1:444:A:LEU:HG	9	0.44
(1,117)	1:442:A:THR:HG22	1:444:A:LEU:HG	9	0.44
(1,117)	1:442:A:THR:HG23	1:444:A:LEU:HG	9	0.44
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	19	0.44
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	7	0.44
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	7	0.44
(1,39)	1:409:A:ILE:HG21	1:476:A:LEU:HG	11	0.44
(1,39)	1:409:A:ILE:HG22	1:476:A:LEU:HG	11	0.44
(1,39)	1:409:A:ILE:HG23	1:476:A:LEU:HG	11	0.44
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	4	0.44
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	7	0.44
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	4	0.43
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	4	0.43
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	4	0.43
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	4	0.43
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	4	0.43
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	4	0.43
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	16	0.43
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	16	0.43
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	16	0.43
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	16	0.43
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	5	0.43
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	5	0.43
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	15	0.43
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	15	0.43
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	2	0.43
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	2	0.43
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	8	0.43
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	8	0.43
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	16	0.43
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	16	0.43
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	7	0.43
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	7	0.43
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	15	0.43
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	15	0.43
(1,2340)	1:448:A:PHE:HD1	1:449:A:GLY:H	20	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2340)	1:448:A:PHE:HD2	1:449:A:GLY:H	20	0.43
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	7	0.43
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	7	0.43
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	8	0.43
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	8	0.43
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	8	0.43
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	12	0.43
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	12	0.43
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	12	0.43
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	2	0.43
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	13	0.43
(1,2290)	1:470:A:GLN:HA	1:470:A:GLN:HE21	12	0.43
(1,2280)	1:463:A:ILE:HG21	1:464:A:GLN:HE22	2	0.43
(1,2280)	1:463:A:ILE:HG22	1:464:A:GLN:HE22	2	0.43
(1,2280)	1:463:A:ILE:HG23	1:464:A:GLN:HE22	2	0.43
(1,2280)	1:463:A:ILE:HG21	1:464:A:GLN:HE22	8	0.43
(1,2280)	1:463:A:ILE:HG22	1:464:A:GLN:HE22	8	0.43
(1,2280)	1:463:A:ILE:HG23	1:464:A:GLN:HE22	8	0.43
(1,2280)	1:463:A:ILE:HG21	1:464:A:GLN:HE22	15	0.43
(1,2280)	1:463:A:ILE:HG22	1:464:A:GLN:HE22	15	0.43
(1,2280)	1:463:A:ILE:HG23	1:464:A:GLN:HE22	15	0.43
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	8	0.43
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	8	0.43
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	3	0.43
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	9	0.43
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	12	0.43
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	18	0.43
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	18	0.43
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	18	0.43
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	6	0.43
(1,2141)	1:445:A:SER:H	1:445:A:SER:HB2	4	0.43
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	15	0.43
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	17	0.43
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	17	0.43
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	19	0.43
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	19	0.43
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	11	0.43
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	19	0.43
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	9	0.43
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	14	0.43
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	2	0.43
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	10	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	1	0.43
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	1	0.43
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	5	0.43
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	9	0.43
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	15	0.43
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	9	0.43
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	18	0.43
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	20	0.43
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	2	0.43
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	2	0.43
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	13	0.43
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	16	0.43
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	20	0.43
(1,1901)	1:418:A:ASP:H	1:418:A:ASP:HB3	12	0.43
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	20	0.43
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	20	0.43
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	20	0.43
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	3	0.43
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	20	0.43
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	7	0.43
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	7	0.43
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	4	0.43
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	13	0.43
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	13	0.43
(1,1867)	1:418:A:ASP:HB2	1:436:A:VAL:H	3	0.43
(1,1867)	1:418:A:ASP:HB2	1:436:A:VAL:H	20	0.43
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	17	0.43
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	17	0.43
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	12	0.43
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	20	0.43
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	9	0.43
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	10	0.43
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	11	0.43
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	14	0.43
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	15	0.43
(1,1817)	1:469:A:PHE:H	1:469:A:PHE:HB2	14	0.43
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	13	0.43
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	4	0.43
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	16	0.43
(1,1781)	1:480:A:LEU:HA	1:481:A:LYS:H	12	0.43
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	1	0.43
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	19	0.43
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	20	0.43
(1,1762)	1:470:A:GLN:HA	1:471:A:ILE:H	17	0.43
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	8	0.43
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	8	0.43
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	8	0.43
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	11	0.43
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	11	0.43
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	11	0.43
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	17	0.43
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	17	0.43
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	17	0.43
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	1	0.43
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	16	0.43
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	5	0.43
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	10	0.43
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	20	0.43
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	14	0.43
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	14	0.43
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	14	0.43
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	8	0.43
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	14	0.43
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG12	10	0.43
(1,1712)	1:422:A:LEU:HD11	1:432:A:ILE:HG13	10	0.43
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG12	10	0.43
(1,1712)	1:422:A:LEU:HD12	1:432:A:ILE:HG13	10	0.43
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG12	10	0.43
(1,1712)	1:422:A:LEU:HD13	1:432:A:ILE:HG13	10	0.43
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG12	10	0.43
(1,1712)	1:422:A:LEU:HD21	1:432:A:ILE:HG13	10	0.43
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG12	10	0.43
(1,1712)	1:422:A:LEU:HD22	1:432:A:ILE:HG13	10	0.43
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG12	10	0.43
(1,1712)	1:422:A:LEU:HD23	1:432:A:ILE:HG13	10	0.43
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	19	0.43
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	19	0.43
(1,1704)	1:402:A:PRO:HG2	1:456:A:PRO:HB3	14	0.43
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	11	0.43
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	11	0.43
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	11	0.43
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	11	0.43
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	16	0.43
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	14	0.43
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	6	0.43
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	6	0.43
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	6	0.43
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	6	0.43
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	8	0.43
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	14	0.43
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	4	0.43
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	9	0.43
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	17	0.43
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	17	0.43
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	5	0.43
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	5	0.43
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	1	0.43
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	1	0.43
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	1	0.43
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	1	0.43
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	1	0.43
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	1	0.43
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	7	0.43
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	7	0.43
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	7	0.43
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	7	0.43
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	7	0.43
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	7	0.43
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	10	0.43
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	14	0.43
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	19	0.43
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	19	0.43
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	19	0.43
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	7	0.43
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	19	0.43
(1,1534)	1:440:A:LYS:HD2	1:441:A:GLN:HG2	6	0.43
(1,1534)	1:440:A:LYS:HD3	1:441:A:GLN:HG2	6	0.43
(1,1532)	1:440:A:LYS:HD2	1:441:A:GLN:HB2	14	0.43
(1,1532)	1:440:A:LYS:HD3	1:441:A:GLN:HB2	14	0.43
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	11	0.43
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	11	0.43
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	11	0.43
(1,1489)	1:481:A:LYS:HA	1:481:A:LYS:HD3	2	0.43
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	5	0.43
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	6	0.43
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	8	0.43
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	8	0.43
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	8	0.43
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	13	0.43
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	9	0.43
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	12	0.43
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	13	0.43
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	18	0.43
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	18	0.43
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	18	0.43
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	18	0.43
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	1	0.43
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	1	0.43
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	13	0.43
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	13	0.43
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	14	0.43
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	14	0.43
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	3	0.43
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	16	0.43
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	17	0.43
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	15	0.43
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD2	11	0.43
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD3	11	0.43
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD2	11	0.43
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD3	11	0.43
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	1	0.43
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	8	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	3	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	3	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	3	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	3	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	3	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	3	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	5	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	5	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	5	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	5	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	5	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	5	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	7	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	7	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	7	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	7	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	7	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	17	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	17	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	17	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	17	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	17	0.43
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	17	0.43
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	8	0.43
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	9	0.43
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	9	0.43
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	15	0.43
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	15	0.43
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	15	0.43
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	15	0.43
(1,1208)	1:470:A:GLN:H	1:470:A:GLN:HG2	16	0.43
(1,1208)	1:470:A:GLN:H	1:470:A:GLN:HG3	16	0.43
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG2	20	0.43
(1,1195)	1:460:A:GLN:HA	1:460:A:GLN:HG3	20	0.43
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG21	19	0.43
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG22	19	0.43
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG23	19	0.43
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG21	19	0.43
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG22	19	0.43
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG23	19	0.43
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	17	0.43
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	17	0.43
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	20	0.43
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	20	0.43
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	3	0.43
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	3	0.43
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	5	0.43
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	5	0.43
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	12	0.43
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	12	0.43
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	19	0.43
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	19	0.43
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD2	17	0.43
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD3	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	13	0.43
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	13	0.43
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	13	0.43
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	1	0.43
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	3	0.43
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	7	0.43
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	19	0.43
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	19	0.43
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	13	0.43
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	13	0.43
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	13	0.43
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	13	0.43
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	13	0.43
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	13	0.43
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	18	0.43
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	18	0.43
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	20	0.43
(1,1009)	1:423:A:GLN:HA	1:423:A:GLN:HE21	17	0.43
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	7	0.43
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	7	0.43
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	7	0.43
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	6	0.43
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	6	0.43
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	6	0.43
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	9	0.43
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	9	0.43
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	9	0.43
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	14	0.43
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	15	0.43
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	2	0.43
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	13	0.43
(1,943)	1:421:A:ILE:HG12	1:451:A:VAL:HB	19	0.43
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	12	0.43
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	12	0.43
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	12	0.43
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	12	0.43
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	4	0.43
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	4	0.43
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	12	0.43
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	12	0.43
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	6	0.43
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,924)	1:400:A:GLU:HG3	1:452:A:SER:HB3	16	0.43
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	3	0.43
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	12	0.43
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	12	0.43
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	12	0.43
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	8	0.43
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	6	0.43
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	6	0.43
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	5	0.43
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	5	0.43
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	5	0.43
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	9	0.43
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	9	0.43
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	9	0.43
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD11	1	0.43
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD12	1	0.43
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD13	1	0.43
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD21	1	0.43
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD22	1	0.43
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD23	1	0.43
(1,837)	1:443:A:ASN:H	1:443:A:ASN:HB3	8	0.43
(1,830)	1:438:A:ILE:HG21	1:443:A:ASN:HB2	7	0.43
(1,830)	1:438:A:ILE:HG22	1:443:A:ASN:HB2	7	0.43
(1,830)	1:438:A:ILE:HG23	1:443:A:ASN:HB2	7	0.43
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	5	0.43
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	9	0.43
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG11	6	0.43
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG12	6	0.43
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG13	6	0.43
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	19	0.43
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	19	0.43
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	19	0.43
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	7	0.43
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	7	0.43
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	7	0.43
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	7	0.43
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	7	0.43
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	7	0.43
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	10	0.43
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	10	0.43
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	10	0.43
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	16	0.43
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	16	0.43
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	5	0.43
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	5	0.43
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	5	0.43
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	11	0.43
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	11	0.43
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	11	0.43
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	18	0.43
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	18	0.43
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	18	0.43
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	3	0.43
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	3	0.43
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	3	0.43
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	3	0.43
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	3	0.43
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	3	0.43
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	6	0.43
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	6	0.43
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	6	0.43
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	6	0.43
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	6	0.43
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	6	0.43
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	6	0.43
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	6	0.43
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	1	0.43
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	6	0.43
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	6	0.43
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	6	0.43
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	20	0.43
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	20	0.43
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	20	0.43
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB2	13	0.43
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB3	13	0.43
(1,602)	1:409:A:ILE:H	1:409:A:ILE:HB	16	0.43
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	7	0.43
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	1	0.43
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	1	0.43
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	5	0.43
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	5	0.43
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	20	0.43
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	20	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:486:A:ASP:H	1:486:A:ASP:HB3	15	0.43
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	12	0.43
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	12	0.43
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	12	0.43
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	3	0.43
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	3	0.43
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	3	0.43
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	2	0.43
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	18	0.43
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	11	0.43
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	11	0.43
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	11	0.43
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	1	0.43
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	1	0.43
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	1	0.43
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	1	0.43
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	1	0.43
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	1	0.43
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	3	0.43
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	3	0.43
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	3	0.43
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	3	0.43
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	3	0.43
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	3	0.43
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	7	0.43
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	7	0.43
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	7	0.43
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	7	0.43
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	7	0.43
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	7	0.43
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	17	0.43
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	17	0.43
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	17	0.43
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	17	0.43
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	17	0.43
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	17	0.43
(1,532)	1:455:A:ASN:HB2	1:457:A:VAL:HB	17	0.43
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	3	0.43
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	9	0.43
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	9	0.43
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	19	0.43
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	8	0.43
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	11	0.43
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	11	0.43
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	6	0.43
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	6	0.43
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	6	0.43
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	6	0.43
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	6	0.43
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	6	0.43
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	17	0.43
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	17	0.43
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	17	0.43
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	17	0.43
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE2	7	0.43
(1,489)	1:437:A:PHE:HD1	1:440:A:LYS:HE3	7	0.43
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE2	7	0.43
(1,489)	1:437:A:PHE:HD2	1:440:A:LYS:HE3	7	0.43
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	17	0.43
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	17	0.43
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	15	0.43
(1,423)	1:433:A:SER:HB2	1:452:A:SER:H	4	0.43
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	1	0.43
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	1	0.43
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	8	0.43
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	8	0.43
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	10	0.43
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	9	0.43
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	9	0.43
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	9	0.43
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	7	0.43
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	14	0.43
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	14	0.43
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	14	0.43
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	17	0.43
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	17	0.43
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	17	0.43
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB1	14	0.43
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB2	14	0.43
(1,342)	1:405:A:ALA:H	1:405:A:ALA:HB3	14	0.43
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	18	0.43
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	18	0.43
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	20	0.43
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	20	0.43
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	20	0.43
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	14	0.43
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	14	0.43
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	14	0.43
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	14	0.43
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	14	0.43
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	14	0.43
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	13	0.43
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	19	0.43
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	19	0.43
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	19	0.43
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	20	0.43
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	20	0.43
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	20	0.43
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	11	0.43
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	11	0.43
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	14	0.43
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	14	0.43
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	12	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	4	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	4	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	4	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	4	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	4	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	4	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	5	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	5	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	5	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	5	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	5	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	5	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	9	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	9	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	9	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	9	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	9	0.43
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	9	0.43
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	14	0.43
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	14	0.43
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	7	0.43
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	7	0.43
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	7	0.43
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	5	0.43
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	5	0.43
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	5	0.43
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	5	0.43
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	5	0.43
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	5	0.43
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	12	0.43
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	12	0.43
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	12	0.43
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	12	0.43
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	12	0.43
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	12	0.43
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	12	0.43
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	12	0.43
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	12	0.43
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	12	0.43
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	12	0.43
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	12	0.43
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	7	0.43
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	7	0.43
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	7	0.43
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	7	0.43
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	7	0.43
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	7	0.43
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	16	0.43
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	16	0.43
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	16	0.43
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	16	0.43
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	16	0.43
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	16	0.43
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD11	10	0.43
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD12	10	0.43
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD13	10	0.43
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD21	10	0.43
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD22	10	0.43
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD23	10	0.43
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	1	0.43
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	1	0.43
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	1	0.43
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	1	0.43
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	1	0.43
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	12	0.43
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	12	0.43
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	12	0.43
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	12	0.43
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	12	0.43
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	12	0.43
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	17	0.43
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	3	0.43
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	3	0.43
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG2	16	0.43
(1,69)	1:481:A:LYS:H	1:481:A:LYS:HG3	16	0.43
(1,48)	1:407:A:LEU:HD11	1:479:A:GLN:HA	1	0.43
(1,48)	1:407:A:LEU:HD12	1:479:A:GLN:HA	1	0.43
(1,48)	1:407:A:LEU:HD13	1:479:A:GLN:HA	1	0.43
(1,48)	1:407:A:LEU:HD21	1:479:A:GLN:HA	1	0.43
(1,48)	1:407:A:LEU:HD22	1:479:A:GLN:HA	1	0.43
(1,48)	1:407:A:LEU:HD23	1:479:A:GLN:HA	1	0.43
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	12	0.43
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	14	0.43
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	11	0.43
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	3	0.43
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	13	0.43
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	6	0.43
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	6	0.43
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	20	0.42
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	20	0.42
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	20	0.42
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	20	0.42
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	20	0.42
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	20	0.42
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	7	0.42
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	7	0.42
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	2	0.42
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	2	0.42
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	6	0.42
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	6	0.42
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	7	0.42
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	7	0.42
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	12	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	12	0.42
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	14	0.42
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	14	0.42
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	17	0.42
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	17	0.42
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	20	0.42
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	20	0.42
(1,2401)	1:398:A:GLN:HG2	1:408:A:PHE:HE1	6	0.42
(1,2401)	1:398:A:GLN:HG2	1:408:A:PHE:HE2	6	0.42
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	13	0.42
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	13	0.42
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	13	0.42
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	13	0.42
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	13	0.42
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	13	0.42
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	13	0.42
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	13	0.42
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	13	0.42
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	13	0.42
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	13	0.42
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	13	0.42
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	20	0.42
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	20	0.42
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	12	0.42
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	12	0.42
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	3	0.42
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	3	0.42
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD1	16	0.42
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD2	16	0.42
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	8	0.42
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	8	0.42
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD1	9	0.42
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD2	9	0.42
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD1	10	0.42
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD2	10	0.42
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	20	0.42
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	20	0.42
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	18	0.42
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	2	0.42
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	2	0.42
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	2	0.42
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	3	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	9	0.42
(1,2290)	1:470:A:GLN:HA	1:470:A:GLN:HE21	3	0.42
(1,2290)	1:470:A:GLN:HA	1:470:A:GLN:HE21	13	0.42
(1,2290)	1:470:A:GLN:HA	1:470:A:GLN:HE21	14	0.42
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	7	0.42
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	7	0.42
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	18	0.42
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	19	0.42
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	3	0.42
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	16	0.42
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	18	0.42
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	9	0.42
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	4	0.42
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	4	0.42
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	4	0.42
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	4	0.42
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	4	0.42
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	4	0.42
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	12	0.42
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	12	0.42
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	16	0.42
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	14	0.42
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	14	0.42
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	20	0.42
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	20	0.42
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	7	0.42
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	5	0.42
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	7	0.42
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	18	0.42
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	15	0.42
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	8	0.42
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	3	0.42
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	6	0.42
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	17	0.42
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	6	0.42
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	15	0.42
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	15	0.42
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	20	0.42
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	20	0.42
(1,1995)	1:402:A:PRO:HB2	1:403:A:GLU:H	20	0.42
(1,1995)	1:402:A:PRO:HB3	1:403:A:GLU:H	20	0.42
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	20	0.42
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	6	0.42
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	4	0.42
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	4	0.42
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	16	0.42
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	16	0.42
(1,1960)	1:436:A:VAL:HA	1:450:A:PHE:H	1	0.42
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	3	0.42
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	2	0.42
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	7	0.42
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	12	0.42
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	19	0.42
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	15	0.42
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	17	0.42
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	11	0.42
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	11	0.42
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	11	0.42
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	6	0.42
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	2	0.42
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	2	0.42
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	2	0.42
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	4	0.42
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	4	0.42
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	4	0.42
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	5	0.42
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	5	0.42
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	5	0.42
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	9	0.42
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	9	0.42
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	9	0.42
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	12	0.42
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	12	0.42
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	12	0.42
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	6	0.42
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	20	0.42
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	20	0.42
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	20	0.42
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	10	0.42
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	12	0.42
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	14	0.42
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	14	0.42
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	9	0.42
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	8	0.42
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	13	0.42
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	19	0.42
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	11	0.42
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	9	0.42
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	19	0.42
(1,1782)	1:481:A:LYS:H	1:481:A:LYS:HB3	16	0.42
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	18	0.42
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	18	0.42
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	10	0.42
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	13	0.42
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	8	0.42
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	6	0.42
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	6	0.42
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	6	0.42
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	17	0.42
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	2	0.42
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	3	0.42
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	4	0.42
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	5	0.42
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	15	0.42
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	15	0.42
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	15	0.42
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	15	0.42
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	18	0.42
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	18	0.42
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	20	0.42
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	20	0.42
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	2	0.42
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	2	0.42
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	9	0.42
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	9	0.42
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	9	0.42
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	9	0.42
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	17	0.42
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	17	0.42
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	17	0.42
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	17	0.42
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG2	20	0.42
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG3	20	0.42
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG2	20	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG3	20	0.42
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	15	0.42
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	19	0.42
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	14	0.42
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	3	0.42
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	3	0.42
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	8	0.42
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	8	0.42
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	20	0.42
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	5	0.42
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	5	0.42
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	4	0.42
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	20	0.42
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	17	0.42
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	17	0.42
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	17	0.42
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	9	0.42
(1,1534)	1:440:A:LYS:HD2	1:441:A:GLN:HG2	9	0.42
(1,1534)	1:440:A:LYS:HD3	1:441:A:GLN:HG2	9	0.42
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	12	0.42
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	10	0.42
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	12	0.42
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	12	0.42
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	16	0.42
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	16	0.42
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	2	0.42
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	8	0.42
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	11	0.42
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	17	0.42
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	3	0.42
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	3	0.42
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	11	0.42
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	11	0.42
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	14	0.42
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	14	0.42
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	17	0.42
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	17	0.42
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	5	0.42
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	5	0.42
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	5	0.42
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	12	0.42
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	12	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1404)	1:475:A:ARG:HB2	1:476:A:LEU:H	16	0.42
(1,1404)	1:475:A:ARG:HB3	1:476:A:LEU:H	16	0.42
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	14	0.42
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	14	0.42
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	14	0.42
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	14	0.42
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	18	0.42
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	14	0.42
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	14	0.42
(1,1354)	1:400:A:GLU:HB2	1:452:A:SER:HB3	6	0.42
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	11	0.42
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	11	0.42
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	1	0.42
(1,1326)	1:411:A:HIS:H	1:448:A:PHE:HA	4	0.42
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	5	0.42
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	5	0.42
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	9	0.42
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	9	0.42
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	17	0.42
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	18	0.42
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	8	0.42
(1,1302)	1:472:A:GLY:HA3	1:473:A:MET:HG3	12	0.42
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD2	18	0.42
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD3	18	0.42
(1,1282)	1:398:A:GLN:HA	1:398:A:GLN:HG3	18	0.42
(1,1280)	1:398:A:GLN:HA	1:398:A:GLN:HE21	8	0.42
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	11	0.42
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	15	0.42
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	15	0.42
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	15	0.42
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	15	0.42
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	15	0.42
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	15	0.42
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	6	0.42
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	6	0.42
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	1	0.42
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	10	0.42
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	18	0.42
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	18	0.42
(1,1226)	1:399:A:LYS:HA	1:400:A:GLU:HG3	19	0.42
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	14	0.42
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	17	0.42
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	17	0.42
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	5	0.42
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	12	0.42
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	4	0.42
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG2	14	0.42
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG3	14	0.42
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	4	0.42
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	4	0.42
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	3	0.42
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	6	0.42
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	7	0.42
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	11	0.42
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	16	0.42
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	12	0.42
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	12	0.42
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	14	0.42
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	14	0.42
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	16	0.42
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	16	0.42
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	1	0.42
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	1	0.42
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	3	0.42
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	3	0.42
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	1	0.42
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	17	0.42
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	2	0.42
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	2	0.42
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	2	0.42
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	6	0.42
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	12	0.42
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	6	0.42
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	11	0.42
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	4	0.42
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	4	0.42
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	8	0.42
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	8	0.42
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	8	0.42
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	17	0.42
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	17	0.42
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	17	0.42
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	20	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	20	0.42
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	14	0.42
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	14	0.42
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	14	0.42
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	6	0.42
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	6	0.42
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	6	0.42
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	18	0.42
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	18	0.42
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	18	0.42
(1,837)	1:443:A:ASN:H	1:443:A:ASN:HB3	9	0.42
(1,830)	1:438:A:ILE:HG21	1:443:A:ASN:HB2	20	0.42
(1,830)	1:438:A:ILE:HG22	1:443:A:ASN:HB2	20	0.42
(1,830)	1:438:A:ILE:HG23	1:443:A:ASN:HB2	20	0.42
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	2	0.42
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	2	0.42
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	2	0.42
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG21	9	0.42
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG22	9	0.42
(1,801)	1:442:A:THR:HA	1:442:A:THR:HG23	9	0.42
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	6	0.42
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	6	0.42
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	2	0.42
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	2	0.42
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	2	0.42
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	12	0.42
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	12	0.42
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	12	0.42
(1,753)	1:402:A:PRO:HA	1:404:A:GLY:H	13	0.42
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	16	0.42
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	1	0.42
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	15	0.42
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	16	0.42
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	1	0.42
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	1	0.42
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	1	0.42
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	4	0.42
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	4	0.42
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	4	0.42
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	16	0.42
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	16	0.42
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	6	0.42
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	6	0.42
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	6	0.42
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	8	0.42
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	8	0.42
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	8	0.42
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	6	0.42
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	6	0.42
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	6	0.42
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	6	0.42
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	6	0.42
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	6	0.42
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	9	0.42
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	9	0.42
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	9	0.42
(1,665)	1:418:A:ASP:H	1:420:A:ASP:HB3	9	0.42
(1,660)	1:489:A:PRO:HA	1:490:A:TYR:HB2	12	0.42
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	18	0.42
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	18	0.42
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	18	0.42
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	7	0.42
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	7	0.42
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	7	0.42
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	10	0.42
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	10	0.42
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	10	0.42
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	12	0.42
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	12	0.42
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	12	0.42
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	19	0.42
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	19	0.42
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	16	0.42
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	16	0.42
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	7	0.42
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	7	0.42
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	7	0.42
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	15	0.42
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	15	0.42
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	15	0.42
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	5	0.42
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	8	0.42
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	4	0.42
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	4	0.42
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	12	0.42
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	12	0.42
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	12	0.42
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG21	18	0.42
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG22	18	0.42
(1,567)	1:421:A:ILE:HA	1:421:A:ILE:HG23	18	0.42
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	15	0.42
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	15	0.42
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	15	0.42
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE1	10	0.42
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE2	10	0.42
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	4	0.42
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	6	0.42
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	19	0.42
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	2	0.42
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	13	0.42
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	15	0.42
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	16	0.42
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	15	0.42
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	15	0.42
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	5	0.42
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	5	0.42
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	11	0.42
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	11	0.42
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	11	0.42
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	11	0.42
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	3	0.42
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	3	0.42
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	3	0.42
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	8	0.42
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	8	0.42
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	8	0.42
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	8	0.42
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	8	0.42
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	8	0.42
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	7	0.42
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	7	0.42
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	10	0.42
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	10	0.42
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	9	0.42
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	8	0.42
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	14	0.42
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	10	0.42
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	10	0.42
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	19	0.42
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	19	0.42
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	9	0.42
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	6	0.42
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	6	0.42
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	6	0.42
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	19	0.42
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	19	0.42
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	19	0.42
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	7	0.42
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	7	0.42
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	7	0.42
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	11	0.42
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	11	0.42
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	11	0.42
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	9	0.42
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	9	0.42
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	9	0.42
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	4	0.42
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	4	0.42
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	4	0.42
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	4	0.42
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	4	0.42
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	4	0.42
(1,319)	1:433:A:SER:HB2	1:450:A:PHE:HB2	3	0.42
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	7	0.42
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	2	0.42
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	2	0.42
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	2	0.42
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	2	0.42
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	2	0.42
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	2	0.42
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	3	0.42
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	3	0.42
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	3	0.42
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	1	0.42
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	1	0.42
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	1	0.42
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	1	0.42
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	1	0.42
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	2	0.42
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	2	0.42
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	2	0.42
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	10	0.42
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	10	0.42
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	10	0.42
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG21	14	0.42
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG22	14	0.42
(1,231)	1:451:A:VAL:H	1:451:A:VAL:HG23	14	0.42
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	14	0.42
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	17	0.42
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	17	0.42
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	17	0.42
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	17	0.42
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	17	0.42
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	17	0.42
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	2	0.42
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	2	0.42
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	2	0.42
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	2	0.42
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	2	0.42
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	2	0.42
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	15	0.42
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	15	0.42
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	15	0.42
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	15	0.42
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	15	0.42
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	15	0.42
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	12	0.42
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	12	0.42
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	12	0.42
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	12	0.42
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	12	0.42
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	12	0.42
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	17	0.42
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	17	0.42
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	17	0.42
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	17	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	17	0.42
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	17	0.42
(1,192)	1:436:A:VAL:HG21	1:449:A:GLY:HA2	17	0.42
(1,192)	1:436:A:VAL:HG22	1:449:A:GLY:HA2	17	0.42
(1,192)	1:436:A:VAL:HG23	1:449:A:GLY:HA2	17	0.42
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	7	0.42
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	7	0.42
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	7	0.42
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	3	0.42
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	3	0.42
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	3	0.42
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	16	0.42
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	17	0.42
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	17	0.42
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	17	0.42
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	17	0.42
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	17	0.42
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	17	0.42
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	18	0.42
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	18	0.42
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	18	0.42
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	18	0.42
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	18	0.42
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	18	0.42
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	14	0.42
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	14	0.42
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	14	0.42
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	14	0.42
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	14	0.42
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	14	0.42
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	16	0.42
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	16	0.42
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	16	0.42
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	16	0.42
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	16	0.42
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	16	0.42
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	3	0.42
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	3	0.42
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	3	0.42
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	3	0.42
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	3	0.42
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	3	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	6	0.42
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	6	0.42
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	6	0.42
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	6	0.42
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	6	0.42
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	6	0.42
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	5	0.42
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	5	0.42
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	9	0.42
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	9	0.42
(1,48)	1:407:A:LEU:HD11	1:479:A:GLN:HA	18	0.42
(1,48)	1:407:A:LEU:HD12	1:479:A:GLN:HA	18	0.42
(1,48)	1:407:A:LEU:HD13	1:479:A:GLN:HA	18	0.42
(1,48)	1:407:A:LEU:HD21	1:479:A:GLN:HA	18	0.42
(1,48)	1:407:A:LEU:HD22	1:479:A:GLN:HA	18	0.42
(1,48)	1:407:A:LEU:HD23	1:479:A:GLN:HA	18	0.42
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	9	0.42
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	9	0.42
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	9	0.42
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG2	15	0.41
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG3	15	0.41
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG2	15	0.41
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG3	15	0.41
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	3	0.41
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	3	0.41
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	3	0.41
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	3	0.41
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	3	0.41
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	3	0.41
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	20	0.41
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	19	0.41
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	19	0.41
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	3	0.41
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	3	0.41
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	11	0.41
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	11	0.41
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	20	0.41
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	20	0.41
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	20	0.41
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	20	0.41
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	20	0.41
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	17	0.41
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	17	0.41
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	17	0.41
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	17	0.41
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	17	0.41
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	17	0.41
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	17	0.41
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	17	0.41
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	17	0.41
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	17	0.41
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	17	0.41
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	17	0.41
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	19	0.41
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	19	0.41
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD1	1	0.41
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD2	1	0.41
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD1	1	0.41
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD2	1	0.41
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD1	1	0.41
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD2	1	0.41
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD1	1	0.41
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD2	1	0.41
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD1	1	0.41
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD2	1	0.41
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD1	1	0.41
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD2	1	0.41
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD1	19	0.41
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD2	19	0.41
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	5	0.41
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	11	0.41
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	15	0.41
(1,2280)	1:463:A:ILE:HG21	1:464:A:GLN:HE22	7	0.41
(1,2280)	1:463:A:ILE:HG22	1:464:A:GLN:HE22	7	0.41
(1,2280)	1:463:A:ILE:HG23	1:464:A:GLN:HE22	7	0.41
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	2	0.41
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	2	0.41
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	14	0.41
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	14	0.41
(1,2273)	1:459:A:ALA:H	1:460:A:GLN:HE22	11	0.41
(1,2273)	1:459:A:ALA:H	1:460:A:GLN:HE22	14	0.41
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	2	0.41
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	1	0.41
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	1	0.41
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	1	0.41
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	17	0.41
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	17	0.41
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	17	0.41
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	17	0.41
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	17	0.41
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	17	0.41
(1,2179)	1:412:A:LEU:H	1:448:A:PHE:HA	11	0.41
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	16	0.41
(1,2141)	1:445:A:SER:H	1:445:A:SER:HB2	15	0.41
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	8	0.41
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	10	0.41
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	16	0.41
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	10	0.41
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	10	0.41
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	13	0.41
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	13	0.41
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	8	0.41
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	20	0.41
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	7	0.41
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	15	0.41
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	16	0.41
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	9	0.41
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	12	0.41
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	7	0.41
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	20	0.41
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	20	0.41
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	19	0.41
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	19	0.41
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	8	0.41
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	10	0.41
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	12	0.41
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	17	0.41
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	2	0.41
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	15	0.41
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	17	0.41
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	19	0.41
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	10	0.41
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	10	0.41
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	15	0.41
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	9	0.41
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	15	0.41
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	16	0.41
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	16	0.41
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	2	0.41
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	15	0.41
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	15	0.41
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	15	0.41
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	17	0.41
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	17	0.41
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	17	0.41
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	7	0.41
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	3	0.41
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	18	0.41
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	18	0.41
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	18	0.41
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	8	0.41
(1,1850)	1:399:A:LYS:H	1:433:A:SER:HB2	12	0.41
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	10	0.41
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	16	0.41
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	19	0.41
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	14	0.41
(1,1805)	1:490:A:TYR:H	1:490:A:TYR:HB2	3	0.41
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	7	0.41
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	14	0.41
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	5	0.41
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	7	0.41
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	16	0.41
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	9	0.41
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	12	0.41
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	14	0.41
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	15	0.41
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	9	0.41
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	9	0.41
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	12	0.41
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	10	0.41
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	10	0.41
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	5	0.41
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	9	0.41
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	10	0.41
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	19	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	20	0.41
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	20	0.41
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	1	0.41
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	6	0.41
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	7	0.41
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	15	0.41
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	16	0.41
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	11	0.41
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	11	0.41
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	11	0.41
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	11	0.41
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	6	0.41
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	10	0.41
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	13	0.41
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	14	0.41
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	14	0.41
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	20	0.41
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	1	0.41
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	5	0.41
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	19	0.41
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	13	0.41
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	6	0.41
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	17	0.41
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	12	0.41
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	12	0.41
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	2	0.41
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	6	0.41
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	7	0.41
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	18	0.41
(1,1534)	1:440:A:LYS:HD2	1:441:A:GLN:HG2	5	0.41
(1,1534)	1:440:A:LYS:HD3	1:441:A:GLN:HG2	5	0.41
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	16	0.41
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	19	0.41
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	1	0.41
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	7	0.41
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	12	0.41
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	3	0.41
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	3	0.41
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	3	0.41
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	11	0.41
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	11	0.41
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	18	0.41
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	1	0.41
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	2	0.41
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	7	0.41
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	20	0.41
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	2	0.41
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	2	0.41
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB1	4	0.41
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB2	4	0.41
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB3	4	0.41
(1,1354)	1:400:A:GLU:HB2	1:452:A:SER:HB3	9	0.41
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	7	0.41
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	7	0.41
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	12	0.41
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	12	0.41
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	15	0.41
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	15	0.41
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	11	0.41
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	11	0.41
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	15	0.41
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	15	0.41
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	10	0.41
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	13	0.41
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	18	0.41
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	19	0.41
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	8	0.41
(1,1326)	1:411:A:HIS:H	1:448:A:PHE:HA	15	0.41
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	9	0.41
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	12	0.41
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	20	0.41
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	1	0.41
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	1	0.41
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	4	0.41
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	4	0.41
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	12	0.41
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	12	0.41
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD2	1	0.41
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD3	1	0.41
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD2	1	0.41
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD3	1	0.41
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD2	14	0.41
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD3	14	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD2	14	0.41
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD3	14	0.41
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD2	15	0.41
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD3	15	0.41
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD2	15	0.41
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD3	15	0.41
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD2	20	0.41
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD3	20	0.41
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD2	20	0.41
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD3	20	0.41
(1,1309)	1:472:A:GLY:HA3	1:473:A:MET:HG2	8	0.41
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	13	0.41
(1,1282)	1:398:A:GLN:HA	1:398:A:GLN:HG3	6	0.41
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	13	0.41
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	13	0.41
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	13	0.41
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	13	0.41
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	13	0.41
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	13	0.41
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG11	14	0.41
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG12	14	0.41
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG13	14	0.41
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG21	14	0.41
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG22	14	0.41
(1,1273)	1:456:A:PRO:HB2	1:457:A:VAL:HG23	14	0.41
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	16	0.41
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	5	0.41
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	3	0.41
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	11	0.41
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	3	0.41
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	14	0.41
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	14	0.41
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	2	0.41
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	2	0.41
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	2	0.41
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	6	0.41
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	6	0.41
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	6	0.41
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	15	0.41
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	15	0.41
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	15	0.41
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	1	0.41
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	20	0.41
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	20	0.41
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	2	0.41
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	2	0.41
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	2	0.41
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	2	0.41
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	6	0.41
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	6	0.41
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	6	0.41
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	6	0.41
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	9	0.41
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	9	0.41
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG2	19	0.41
(1,1206)	1:470:A:GLN:HA	1:470:A:GLN:HG3	19	0.41
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	8	0.41
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	8	0.41
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	8	0.41
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	8	0.41
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	8	0.41
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	8	0.41
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	14	0.41
(1,1167)	1:398:A:GLN:HG3	1:433:A:SER:HB3	10	0.41
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG2	8	0.41
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG3	8	0.41
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	3	0.41
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	12	0.41
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	17	0.41
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	2	0.41
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	16	0.41
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	15	0.41
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	19	0.41
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	6	0.41
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	6	0.41
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	10	0.41
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	10	0.41
(1,1039)	1:441:A:GLN:HA	1:441:A:GLN:HE22	1	0.41
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	19	0.41
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	13	0.41
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	13	0.41
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	17	0.41
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	17	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	1	0.41
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	1	0.41
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	1	0.41
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	14	0.41
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	14	0.41
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	14	0.41
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	16	0.41
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	16	0.41
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	16	0.41
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	1	0.41
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	17	0.41
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	18	0.41
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	18	0.41
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	3	0.41
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	3	0.41
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	12	0.41
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	12	0.41
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	16	0.41
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	16	0.41
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	18	0.41
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	18	0.41
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	17	0.41
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	17	0.41
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	17	0.41
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	3	0.41
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	3	0.41
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	3	0.41
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	7	0.41
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	7	0.41
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	7	0.41
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	7	0.41
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	7	0.41
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	7	0.41
(1,830)	1:438:A:ILE:HG21	1:443:A:ASN:HB2	11	0.41
(1,830)	1:438:A:ILE:HG22	1:443:A:ASN:HB2	11	0.41
(1,830)	1:438:A:ILE:HG23	1:443:A:ASN:HB2	11	0.41
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	17	0.41
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	20	0.41
(1,784)	1:436:A:VAL:HA	1:449:A:GLY:HA3	4	0.41
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	11	0.41
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	11	0.41
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	8	0.41
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	8	0.41
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	8	0.41
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	8	0.41
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	8	0.41
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	8	0.41
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	10	0.41
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	17	0.41
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	3	0.41
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	10	0.41
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	18	0.41
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	3	0.41
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	3	0.41
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	3	0.41
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	8	0.41
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	8	0.41
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	8	0.41
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	9	0.41
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	9	0.41
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	9	0.41
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	5	0.41
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	5	0.41
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	5	0.41
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	12	0.41
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	12	0.41
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	12	0.41
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	7	0.41
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	15	0.41
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	18	0.41
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	18	0.41
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	18	0.41
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	18	0.41
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	18	0.41
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	18	0.41
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	18	0.41
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	2	0.41
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	2	0.41
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	2	0.41
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	5	0.41
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	5	0.41
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	5	0.41
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	15	0.41
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	15	0.41
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	17	0.41
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	17	0.41
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	17	0.41
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	19	0.41
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	19	0.41
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	19	0.41
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	18	0.41
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	6	0.41
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	6	0.41
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	4	0.41
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	4	0.41
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	4	0.41
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	8	0.41
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	8	0.41
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	8	0.41
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	7	0.41
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	7	0.41
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	7	0.41
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	16	0.41
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	10	0.41
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	10	0.41
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	10	0.41
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	2	0.41
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	2	0.41
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	2	0.41
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	2	0.41
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	2	0.41
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	2	0.41
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	6	0.41
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	6	0.41
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	6	0.41
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	6	0.41
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	6	0.41
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	6	0.41
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	12	0.41
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	12	0.41
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	12	0.41
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	12	0.41
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	12	0.41
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	15	0.41
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	15	0.41
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	15	0.41
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	15	0.41
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	15	0.41
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	15	0.41
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	20	0.41
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	20	0.41
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	20	0.41
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	20	0.41
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	20	0.41
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	20	0.41
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	18	0.41
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	16	0.41
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	16	0.41
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	7	0.41
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	7	0.41
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	7	0.41
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	7	0.41
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	15	0.41
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	15	0.41
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	15	0.41
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	15	0.41
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	5	0.41
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	5	0.41
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	12	0.41
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	12	0.41
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	15	0.41
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	15	0.41
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	16	0.41
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	16	0.41
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	15	0.41
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	20	0.41
(1,437)	1:433:A:SER:HB3	1:452:A:SER:H	4	0.41
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	12	0.41
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	1	0.41
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	6	0.41
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	6	0.41
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	14	0.41
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	14	0.41
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	14	0.41
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	18	0.41
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	18	0.41
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	15	0.41
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	15	0.41
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	15	0.41
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	20	0.41
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	20	0.41
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	20	0.41
(1,341)	1:444:A:LEU:HB2	1:445:A:SER:HB2	19	0.41
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	19	0.41
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	19	0.41
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	19	0.41
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	8	0.41
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	5	0.41
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	5	0.41
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	5	0.41
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	1	0.41
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	1	0.41
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	1	0.41
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	1	0.41
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	1	0.41
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	1	0.41
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	17	0.41
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	17	0.41
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	17	0.41
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	16	0.41
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	16	0.41
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	16	0.41
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	5	0.41
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	5	0.41
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	5	0.41
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	6	0.41
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	6	0.41
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	6	0.41
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	15	0.41
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	15	0.41
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	15	0.41
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	16	0.41
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	16	0.41
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	16	0.41
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	20	0.41
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	20	0.41
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	20	0.41
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	20	0.41
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	20	0.41
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	2	0.41
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	2	0.41
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	2	0.41
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	2	0.41
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	2	0.41
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	2	0.41
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	5	0.41
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	5	0.41
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	5	0.41
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	5	0.41
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	5	0.41
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	5	0.41
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	11	0.41
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	11	0.41
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	11	0.41
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	11	0.41
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	11	0.41
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	11	0.41
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	16	0.41
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	16	0.41
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	16	0.41
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	16	0.41
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	16	0.41
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	16	0.41
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	19	0.41
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	19	0.41
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	19	0.41
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	19	0.41
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	19	0.41
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	19	0.41
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	4	0.41
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	4	0.41
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	4	0.41
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	6	0.41
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	6	0.41
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	3	0.41
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	4	0.41
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	19	0.41
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	8	0.41
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	8	0.41
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	8	0.41
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	8	0.41
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	8	0.41
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	8	0.41
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	12	0.41
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	12	0.41
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	12	0.41
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	12	0.41
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	12	0.41
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	12	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	13	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	13	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	13	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	13	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	13	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	13	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	19	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	19	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	19	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	19	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	19	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	19	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	20	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	20	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	20	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	20	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	20	0.41
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	20	0.41
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	8	0.41
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	8	0.41
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	8	0.41
(1,184)	1:404:A:GLY:HA3	1:456:A:PRO:HB2	15	0.41
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	14	0.41
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	14	0.41
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	14	0.41
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	17	0.41
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	17	0.41
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	17	0.41
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	15	0.41
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	15	0.41
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	1	0.41
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	1	0.41
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	1	0.41
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	1	0.41
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	1	0.41
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	1	0.41
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	16	0.41
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	16	0.41
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	16	0.41
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	16	0.41
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	16	0.41
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	16	0.41
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	9	0.41
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	9	0.41
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	9	0.41
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	9	0.41
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	9	0.41
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	9	0.41
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD11	9	0.41
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD12	9	0.41
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD13	9	0.41
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD21	9	0.41
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD22	9	0.41
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD23	9	0.41
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	1	0.41
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	1	0.41
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	1	0.41
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	1	0.41
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	1	0.41
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	1	0.41
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	13	0.41
(1,107)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	13	0.41
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	13	0.41
(1,107)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	13	0.41
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	13	0.41
(1,107)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	13	0.41
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	13	0.41
(1,107)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	13	0.41
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	13	0.41
(1,107)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	13	0.41
(1,107)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	13	0.41
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD11	3	0.41
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD12	3	0.41
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD13	3	0.41
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD21	3	0.41
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD22	3	0.41
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD23	3	0.41
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD11	6	0.41
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD12	6	0.41
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD13	6	0.41
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD21	6	0.41
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD22	6	0.41
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD23	6	0.41
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	4	0.41
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	4	0.41
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	4	0.41
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	4	0.41
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	4	0.41
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	4	0.41
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	1	0.41
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	1	0.41
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	1	0.41
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	1	0.41
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	1	0.41
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	1	0.41
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	1	0.41
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	1	0.41
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	1	0.41
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	1	0.41
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	1	0.41
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	1	0.41
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	1	0.41
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	1	0.41
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	1	0.41
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	1	0.41
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	1	0.41
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	1	0.41
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	8	0.41
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	17	0.41
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	8	0.41
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	8	0.41
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	10	0.41
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	10	0.41
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	10	0.41
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD1	14	0.41
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD2	14	0.41
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	2	0.4
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	2	0.4
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	2	0.4
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	2	0.4
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	2	0.4
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	2	0.4
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	1	0.4
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	1	0.4
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	10	0.4
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	10	0.4
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	11	0.4
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	11	0.4
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE1	8	0.4
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE2	8	0.4
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE1	15	0.4
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE2	15	0.4
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	11	0.4
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	11	0.4
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	17	0.4
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	17	0.4
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	15	0.4
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	15	0.4
(1,2346)	1:409:A:ILE:HG21	1:448:A:PHE:HD1	6	0.4
(1,2346)	1:409:A:ILE:HG21	1:448:A:PHE:HD2	6	0.4
(1,2346)	1:409:A:ILE:HG22	1:448:A:PHE:HD1	6	0.4
(1,2346)	1:409:A:ILE:HG22	1:448:A:PHE:HD2	6	0.4
(1,2346)	1:409:A:ILE:HG23	1:448:A:PHE:HD1	6	0.4
(1,2346)	1:409:A:ILE:HG23	1:448:A:PHE:HD2	6	0.4
(1,2342)	1:448:A:PHE:H	1:448:A:PHE:HD1	6	0.4
(1,2342)	1:448:A:PHE:H	1:448:A:PHE:HD2	6	0.4
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	2	0.4
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	2	0.4
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	2	0.4
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	2	0.4
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG21	2	0.4
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG22	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2326)	1:442:A:THR:H	1:442:A:THR:HG23	2	0.4
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	7	0.4
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	7	0.4
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	7	0.4
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	2	0.4
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	6	0.4
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	7	0.4
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	8	0.4
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	10	0.4
(1,2290)	1:470:A:GLN:HA	1:470:A:GLN:HE21	10	0.4
(1,2290)	1:470:A:GLN:HA	1:470:A:GLN:HE21	17	0.4
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	19	0.4
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	19	0.4
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB2	7	0.4
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB3	7	0.4
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	8	0.4
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	8	0.4
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	12	0.4
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	9	0.4
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	9	0.4
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	19	0.4
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	19	0.4
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	1	0.4
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	13	0.4
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	13	0.4
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	2	0.4
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	2	0.4
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	2	0.4
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	5	0.4
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	5	0.4
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	5	0.4
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	5	0.4
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	5	0.4
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	5	0.4
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	13	0.4
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	13	0.4
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	13	0.4
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	13	0.4
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	13	0.4
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	13	0.4
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	3	0.4
(1,2123)	1:423:A:GLN:H	1:424:A:MET:H	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	12	0.4
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	8	0.4
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	14	0.4
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	16	0.4
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	10	0.4
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	19	0.4
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	9	0.4
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	5	0.4
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	20	0.4
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	10	0.4
(1,2026)	1:468:A:GLY:H	1:477:A:LYS:HA	20	0.4
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	13	0.4
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	5	0.4
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	17	0.4
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	20	0.4
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	9	0.4
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	9	0.4
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	16	0.4
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	16	0.4
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	6	0.4
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	20	0.4
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	1	0.4
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	14	0.4
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	16	0.4
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	3	0.4
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	11	0.4
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	11	0.4
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	17	0.4
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	17	0.4
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	4	0.4
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	19	0.4
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	20	0.4
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	1	0.4
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	2	0.4
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	3	0.4
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	11	0.4
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	4	0.4
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	20	0.4
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	20	0.4
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	6	0.4
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	6	0.4
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	11	0.4
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	11	0.4
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	11	0.4
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	10	0.4
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	19	0.4
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD1	9	0.4
(1,1876)	1:416:A:PHE:H	1:416:A:PHE:HD2	9	0.4
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	10	0.4
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	11	0.4
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	17	0.4
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	7	0.4
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	15	0.4
(1,1825)	1:409:A:ILE:HA	1:410:A:TYR:H	20	0.4
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	4	0.4
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	6	0.4
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	12	0.4
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	15	0.4
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	6	0.4
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	15	0.4
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	20	0.4
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	3	0.4
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	3	0.4
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	8	0.4
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	10	0.4
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	4	0.4
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	3	0.4
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	5	0.4
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	5	0.4
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	5	0.4
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	12	0.4
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	12	0.4
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	12	0.4
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	13	0.4
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	13	0.4
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	13	0.4
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	20	0.4
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	20	0.4
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	20	0.4
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	2	0.4
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	2	0.4
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	9	0.4
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	11	0.4
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	12	0.4
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	6	0.4
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	6	0.4
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	6	0.4
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	9	0.4
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	9	0.4
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	9	0.4
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	2	0.4
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	11	0.4
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	12	0.4
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	13	0.4
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	17	0.4
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	18	0.4
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	1	0.4
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	1	0.4
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	16	0.4
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	16	0.4
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	1	0.4
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	8	0.4
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	8	0.4
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	8	0.4
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	8	0.4
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	10	0.4
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	1	0.4
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	9	0.4
(1,1633)	1:405:A:ALA:HA	1:406:A:ASN:HD22	14	0.4
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	8	0.4
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	9	0.4
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE1	4	0.4
(1,1622)	1:413:A:PRO:HG2	1:416:A:PHE:HE2	4	0.4
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	17	0.4
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	17	0.4
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	17	0.4
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	17	0.4
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	17	0.4
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	17	0.4
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	11	0.4
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	11	0.4
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	15	0.4
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	15	0.4
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	1	0.4
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	1	0.4
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	1	0.4
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	16	0.4
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	16	0.4
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	16	0.4
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	16	0.4
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	16	0.4
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	16	0.4
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	7	0.4
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	4	0.4
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	9	0.4
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	9	0.4
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	15	0.4
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	14	0.4
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	14	0.4
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	8	0.4
(1,1494)	1:406:A:ASN:HA	1:406:A:ASN:HD21	1	0.4
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	1	0.4
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	1	0.4
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	1	0.4
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	3	0.4
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	3	0.4
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	3	0.4
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	18	0.4
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	18	0.4
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	10	0.4
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	12	0.4
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	14	0.4
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	20	0.4
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	2	0.4
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	20	0.4
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	17	0.4
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	17	0.4
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	1	0.4
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	1	0.4
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	12	0.4
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	12	0.4
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	9	0.4
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	9	0.4
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	11	0.4
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	11	0.4
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	8	0.4
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	2	0.4
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	10	0.4
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	10	0.4
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	4	0.4
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	4	0.4
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	17	0.4
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	17	0.4
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	2	0.4
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	5	0.4
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	14	0.4
(1,1326)	1:411:A:HIS:H	1:448:A:PHE:HA	7	0.4
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	17	0.4
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	10	0.4
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	10	0.4
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	16	0.4
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	16	0.4
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	18	0.4
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	18	0.4
(1,1309)	1:472:A:GLY:HA3	1:473:A:MET:HG2	5	0.4
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	2	0.4
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	14	0.4
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	19	0.4
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	19	0.4
(1,1264)	1:405:A:ALA:HB1	1:456:A:PRO:HB3	14	0.4
(1,1264)	1:405:A:ALA:HB2	1:456:A:PRO:HB3	14	0.4
(1,1264)	1:405:A:ALA:HB3	1:456:A:PRO:HB3	14	0.4
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	13	0.4
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	10	0.4
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	10	0.4
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	16	0.4
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	16	0.4
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	16	0.4
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	2	0.4
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	2	0.4
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	1	0.4
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	1	0.4
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	1	0.4
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	1	0.4
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	7	0.4
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	7	0.4
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	7	0.4
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	6	0.4
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	6	0.4
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	11	0.4
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	11	0.4
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	8	0.4
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	10	0.4
(1,1113)	1:423:A:GLN:HA	1:423:A:GLN:HG2	6	0.4
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	2	0.4
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	5	0.4
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	9	0.4
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	17	0.4
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	18	0.4
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	20	0.4
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	7	0.4
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	17	0.4
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	5	0.4
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	5	0.4
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	6	0.4
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	6	0.4
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	13	0.4
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	13	0.4
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	4	0.4
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	4	0.4
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	9	0.4
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	9	0.4
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	19	0.4
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	19	0.4
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	20	0.4
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	20	0.4
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	3	0.4
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	3	0.4
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	9	0.4
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	9	0.4
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	17	0.4
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	17	0.4
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	8	0.4
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	8	0.4
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	9	0.4
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	9	0.4
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	12	0.4
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	3	0.4
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	20	0.4
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	19	0.4
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	19	0.4
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	19	0.4
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	2	0.4
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	19	0.4
(1,960)	1:409:A:ILE:HA	1:410:A:TYR:HB2	18	0.4
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	10	0.4
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	10	0.4
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	8	0.4
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	9	0.4
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	12	0.4
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	16	0.4
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	16	0.4
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	18	0.4
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	18	0.4
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	19	0.4
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	19	0.4
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	2	0.4
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	2	0.4
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	7	0.4
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	7	0.4
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	6	0.4
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	6	0.4
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	6	0.4
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	7	0.4
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	4	0.4
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	4	0.4
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	11	0.4
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	11	0.4
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	1	0.4
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	1	0.4
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	1	0.4
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	4	0.4
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	4	0.4
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	12	0.4
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	12	0.4
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	8	0.4
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	8	0.4
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	13	0.4
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	13	0.4
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	2	0.4
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	2	0.4
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	2	0.4
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	11	0.4
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	11	0.4
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	11	0.4
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	5	0.4
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	5	0.4
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	5	0.4
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	8	0.4
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	8	0.4
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	8	0.4
(1,828)	1:409:A:ILE:HD11	1:478:A:VAL:HA	2	0.4
(1,828)	1:409:A:ILE:HD12	1:478:A:VAL:HA	2	0.4
(1,828)	1:409:A:ILE:HD13	1:478:A:VAL:HA	2	0.4
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	2	0.4
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	7	0.4
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	13	0.4
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	13	0.4
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	13	0.4
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	13	0.4
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD11	16	0.4
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD12	16	0.4
(1,779)	1:409:A:ILE:HB	1:409:A:ILE:HD13	16	0.4
(1,778)	1:409:A:ILE:HD11	1:421:A:ILE:HG12	3	0.4
(1,778)	1:409:A:ILE:HD12	1:421:A:ILE:HG12	3	0.4
(1,778)	1:409:A:ILE:HD13	1:421:A:ILE:HG12	3	0.4
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	14	0.4
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	17	0.4
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	20	0.4
(1,721)	1:469:A:PHE:HD1	1:471:A:ILE:HB	13	0.4
(1,721)	1:469:A:PHE:HD2	1:471:A:ILE:HB	13	0.4
(1,721)	1:469:A:PHE:HD1	1:471:A:ILE:HB	14	0.4
(1,721)	1:469:A:PHE:HD2	1:471:A:ILE:HB	14	0.4
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	7	0.4
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	14	0.4
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	18	0.4
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	19	0.4
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	3	0.4
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	3	0.4
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	3	0.4
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	3	0.4
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	3	0.4
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	16	0.4
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	16	0.4
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	16	0.4
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	16	0.4
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	16	0.4
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	16	0.4
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	2	0.4
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	2	0.4
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	2	0.4
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	3	0.4
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	3	0.4
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	3	0.4
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	10	0.4
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	10	0.4
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	10	0.4
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	15	0.4
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	15	0.4
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	15	0.4
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	19	0.4
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	19	0.4
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	19	0.4
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	4	0.4
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	4	0.4
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	4	0.4
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	4	0.4
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	4	0.4
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	4	0.4
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	2	0.4
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	2	0.4
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	2	0.4
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	4	0.4
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	4	0.4
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	17	0.4
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	17	0.4
(1,625)	1:466:A:MET:HG2	1:469:A:PHE:HB2	4	0.4
(1,625)	1:466:A:MET:HG3	1:469:A:PHE:HB2	4	0.4
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	2	0.4
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	1	0.4
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	1	0.4
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	1	0.4
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	3	0.4
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	3	0.4
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	3	0.4
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	13	0.4
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	13	0.4
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	13	0.4
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	16	0.4
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	16	0.4
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	16	0.4
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	18	0.4
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	18	0.4
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	18	0.4
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	19	0.4
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	19	0.4
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	19	0.4
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	19	0.4
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	19	0.4
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	19	0.4
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	4	0.4
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	14	0.4
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	4	0.4
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	4	0.4
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	7	0.4
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	7	0.4
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	20	0.4
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	20	0.4
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	20	0.4
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	20	0.4
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	7	0.4
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	7	0.4
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	7	0.4
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	1	0.4
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	1	0.4
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	1	0.4
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	1	0.4
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	1	0.4
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	1	0.4
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	6	0.4
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	6	0.4
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	6	0.4
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	10	0.4
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	10	0.4
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	7	0.4
(1,441)	1:433:A:SER:HB3	1:452:A:SER:HB3	17	0.4
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	3	0.4
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	3	0.4
(1,426)	1:433:A:SER:HB2	1:452:A:SER:HB3	4	0.4
(1,419)	1:480:A:LEU:HB2	1:481:A:LYS:H	8	0.4
(1,419)	1:480:A:LEU:HB3	1:481:A:LYS:H	8	0.4
(1,417)	1:407:A:LEU:HD11	1:453:A:TYR:HB3	14	0.4
(1,417)	1:407:A:LEU:HD12	1:453:A:TYR:HB3	14	0.4
(1,417)	1:407:A:LEU:HD13	1:453:A:TYR:HB3	14	0.4
(1,417)	1:407:A:LEU:HD21	1:453:A:TYR:HB3	14	0.4
(1,417)	1:407:A:LEU:HD22	1:453:A:TYR:HB3	14	0.4
(1,417)	1:407:A:LEU:HD23	1:453:A:TYR:HB3	14	0.4
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	4	0.4
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	1	0.4
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	7	0.4
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	7	0.4
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	7	0.4
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	7	0.4
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	11	0.4
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	11	0.4
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	11	0.4
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	20	0.4
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	3	0.4
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	3	0.4
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	3	0.4
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	13	0.4
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	13	0.4
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	13	0.4
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	5	0.4
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	5	0.4
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	5	0.4
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	8	0.4
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	8	0.4
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	8	0.4
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	11	0.4
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	11	0.4
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	12	0.4
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	12	0.4
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	12	0.4
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	13	0.4
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	13	0.4
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	13	0.4
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	5	0.4
(1,310)	1:435:A:LYS:HG3	1:450:A:PHE:HB3	10	0.4
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	8	0.4
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	12	0.4
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	7	0.4
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	4	0.4
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	4	0.4
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	4	0.4
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	13	0.4
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	13	0.4
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	13	0.4
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	16	0.4
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	16	0.4
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	16	0.4
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	11	0.4
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	11	0.4
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	11	0.4
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	8	0.4
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	8	0.4
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	8	0.4
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	12	0.4
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	12	0.4
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	12	0.4
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	20	0.4
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	20	0.4
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	20	0.4
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	3	0.4
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	3	0.4
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	3	0.4
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	13	0.4
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	13	0.4
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	13	0.4
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	12	0.4
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	12	0.4
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	12	0.4
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	14	0.4
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	14	0.4
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	14	0.4
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	14	0.4
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	14	0.4
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	14	0.4
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	18	0.4
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	18	0.4
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	18	0.4
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	18	0.4
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	18	0.4
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	18	0.4
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	7	0.4
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	7	0.4
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	7	0.4
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	7	0.4
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	7	0.4
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	7	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	2	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	2	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	2	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	2	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	2	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	2	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	6	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	6	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	6	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	6	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	6	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	6	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	8	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	8	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	8	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	8	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	8	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	8	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	11	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	11	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	11	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	11	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	11	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	15	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	15	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	15	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	15	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	15	0.4
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	15	0.4
(1,200)	1:404:A:GLY:HA2	1:456:A:PRO:HB3	19	0.4
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	5	0.4
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	5	0.4
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	5	0.4
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	2	0.4
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	2	0.4
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	2	0.4
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	1	0.4
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	1	0.4
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	1	0.4
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	5	0.4
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	5	0.4
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	5	0.4
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD11	20	0.4
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD12	20	0.4
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD13	20	0.4
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD21	20	0.4
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD22	20	0.4
(1,133)	1:422:A:LEU:HA	1:422:A:LEU:HD23	20	0.4
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	8	0.4
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	8	0.4
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	8	0.4
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	8	0.4
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	8	0.4
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	8	0.4
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD11	10	0.4
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD12	10	0.4
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD13	10	0.4
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD21	10	0.4
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD22	10	0.4
(1,132)	1:419:A:GLN:HA	1:422:A:LEU:HD23	10	0.4
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	2	0.4
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	2	0.4
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	2	0.4
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	2	0.4
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	2	0.4
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	17	0.4
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	17	0.4
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	17	0.4
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	17	0.4
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	17	0.4
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	17	0.4
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	19	0.4
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	19	0.4
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	19	0.4
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	19	0.4
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	19	0.4
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	19	0.4
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	2	0.4
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	2	0.4
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	2	0.4
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	2	0.4
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	2	0.4
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	2	0.4
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	2	0.4
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	2	0.4
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	2	0.4
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	2	0.4
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	2	0.4
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	2	0.4
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	2	0.4
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	2	0.4
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	2	0.4
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	2	0.4
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	2	0.4
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	2	0.4
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	2	0.4
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	2	0.4
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	2	0.4
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	2	0.4
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	2	0.4
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	2	0.4
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	2	0.4
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	2	0.4
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	2	0.4
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	2	0.4
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	2	0.4
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	2	0.4
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	2	0.4
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	2	0.4
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	2	0.4
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	2	0.4
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	2	0.4
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	11	0.4
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	11	0.4
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	11	0.4
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	11	0.4
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	11	0.4
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	11	0.4
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	5	0.4
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	5	0.4
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	5	0.4
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	5	0.4
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	5	0.4
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	5	0.4
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	13	0.4
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	13	0.4
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	13	0.4
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	13	0.4
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	13	0.4
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	13	0.4
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	15	0.4
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	15	0.4
(1,25)	1:401:A:GLY:H	1:402:A:PRO:HD3	16	0.4
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	5	0.4
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	8	0.4
(1,20)	1:402:A:PRO:HD3	1:454:A:ASP:H	5	0.4
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	12	0.4
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	12	0.4
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	12	0.4
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	8	0.39
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	8	0.39
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	16	0.39
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	16	0.39
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE1	4	0.39
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE2	4	0.39
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	10	0.39
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	10	0.39
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	10	0.39
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	10	0.39
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	10	0.39
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	10	0.39
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	10	0.39
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	10	0.39
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	10	0.39
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	10	0.39
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	10	0.39
(1,2346)	1:409:A:ILE:HG21	1:448:A:PHE:HD1	12	0.39
(1,2346)	1:409:A:ILE:HG21	1:448:A:PHE:HD2	12	0.39
(1,2346)	1:409:A:ILE:HG22	1:448:A:PHE:HD1	12	0.39
(1,2346)	1:409:A:ILE:HG22	1:448:A:PHE:HD2	12	0.39
(1,2346)	1:409:A:ILE:HG23	1:448:A:PHE:HD1	12	0.39
(1,2346)	1:409:A:ILE:HG23	1:448:A:PHE:HD2	12	0.39
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD1	7	0.39
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD2	7	0.39
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD1	20	0.39
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD2	20	0.39
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	11	0.39
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	11	0.39
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	14	0.39
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	14	0.39
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	15	0.39
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	15	0.39
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	6	0.39
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	4	0.39
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	8	0.39
(1,2290)	1:470:A:GLN:HA	1:470:A:GLN:HE21	15	0.39
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	8	0.39
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	18	0.39
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	4	0.39
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	4	0.39
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	5	0.39
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	5	0.39
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	16	0.39
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	16	0.39
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	13	0.39
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	10	0.39
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	1	0.39
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	1	0.39
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	1	0.39
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	1	0.39
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	1	0.39
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	16	0.39
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	7	0.39
(1,2143)	1:444:A:LEU:HB3	1:445:A:SER:H	9	0.39
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	5	0.39
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	7	0.39
(1,2111)	1:418:A:ASP:HB3	1:419:A:GLN:H	3	0.39
(1,2105)	1:420:A:ASP:HB3	1:421:A:ILE:H	19	0.39
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	16	0.39
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	3	0.39
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	18	0.39
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	1	0.39
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	11	0.39
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	13	0.39
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	6	0.39
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	10	0.39
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	13	0.39
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	4	0.39
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	9	0.39
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	11	0.39
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	12	0.39
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	16	0.39
(1,1995)	1:402:A:PRO:HB2	1:403:A:GLU:H	19	0.39
(1,1995)	1:402:A:PRO:HB3	1:403:A:GLU:H	19	0.39
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	18	0.39
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	20	0.39
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	10	0.39
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	5	0.39
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	8	0.39
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	4	0.39
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	7	0.39
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	12	0.39
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	1	0.39
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	14	0.39
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	18	0.39
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	20	0.39
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	20	0.39
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	20	0.39
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	4	0.39
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	5	0.39
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	18	0.39
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	5	0.39
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	18	0.39
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	20	0.39
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	3	0.39
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	5	0.39
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	5	0.39
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	5	0.39
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	15	0.39
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	4	0.39
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	8	0.39
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	8	0.39
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	8	0.39
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	10	0.39
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	7	0.39
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	17	0.39
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	5	0.39
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	16	0.39
(1,1867)	1:418:A:ASP:HB2	1:436:A:VAL:H	7	0.39
(1,1867)	1:418:A:ASP:HB2	1:436:A:VAL:H	18	0.39
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	4	0.39
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	6	0.39
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	18	0.39
(1,1850)	1:399:A:LYS:H	1:433:A:SER:HB2	11	0.39
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	19	0.39
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	6	0.39
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	3	0.39
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	9	0.39
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	18	0.39
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	19	0.39
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	14	0.39
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	10	0.39
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	10	0.39
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	14	0.39
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	14	0.39
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	20	0.39
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	7	0.39
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	15	0.39
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	16	0.39
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	5	0.39
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	10	0.39
(1,1745)	1:477:A:LYS:H	1:478:A:VAL:H	11	0.39
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	16	0.39
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	1	0.39
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	4	0.39
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	7	0.39
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	16	0.39
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	12	0.39
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	12	0.39
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	12	0.39
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	19	0.39
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	8	0.39
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	8	0.39
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	13	0.39
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	13	0.39
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	14	0.39
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	14	0.39
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	20	0.39
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	9	0.39
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	11	0.39
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	5	0.39
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	7	0.39
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	7	0.39
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	7	0.39
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	7	0.39
(1,1656)	1:405:A:ALA:HA	1:406:A:ASN:HA	9	0.39
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	16	0.39
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG2	17	0.39
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG3	17	0.39
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG2	18	0.39
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG3	18	0.39
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	13	0.39
(1,1629)	1:405:A:ALA:HA	1:455:A:ASN:HA	4	0.39
(1,1627)	1:402:A:PRO:HG2	1:455:A:ASN:HA	15	0.39
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	14	0.39
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	14	0.39
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	19	0.39
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	19	0.39
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	20	0.39
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	20	0.39
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	4	0.39
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	11	0.39
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	19	0.39
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	14	0.39
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	10	0.39
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	19	0.39
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	19	0.39
(1,1534)	1:440:A:LYS:HD2	1:441:A:GLN:HG2	19	0.39
(1,1534)	1:440:A:LYS:HD3	1:441:A:GLN:HG2	19	0.39
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	17	0.39
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	18	0.39
(1,1515)	1:398:A:GLN:HB2	1:399:A:LYS:H	9	0.39
(1,1515)	1:398:A:GLN:HB3	1:399:A:LYS:H	9	0.39
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	17	0.39
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	20	0.39
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	20	0.39
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	20	0.39
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	14	0.39
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	14	0.39
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	18	0.39
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	18	0.39
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	19	0.39
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	19	0.39
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	3	0.39
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	5	0.39
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	7	0.39
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	7	0.39
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	7	0.39
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	7	0.39
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG2	2	0.39
(1,1445)	1:439:A:ASP:HA	1:440:A:LYS:HG3	2	0.39
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	8	0.39
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	8	0.39
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	11	0.39
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	17	0.39
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	1	0.39
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	1	0.39
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	3	0.39
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	3	0.39
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	10	0.39
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	10	0.39
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	15	0.39
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	10	0.39
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	10	0.39
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	6	0.39
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	6	0.39
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	6	0.39
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	6	0.39
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG11	17	0.39
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG12	17	0.39
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG13	17	0.39
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG11	17	0.39
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG12	17	0.39
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG13	17	0.39
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	15	0.39
(1,1326)	1:411:A:HIS:H	1:448:A:PHE:HA	12	0.39
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	2	0.39
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	13	0.39
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	8	0.39
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	8	0.39
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	10	0.39
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	15	0.39
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	16	0.39
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	18	0.39
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	3	0.39
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	3	0.39
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	1	0.39
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	8	0.39
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	12	0.39
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	16	0.39
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	20	0.39
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	5	0.39
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	17	0.39
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	15	0.39
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE1	8	0.39
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE2	8	0.39
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE1	8	0.39
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE2	8	0.39
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	19	0.39
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	19	0.39
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	19	0.39
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	5	0.39
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	9	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	5	0.39
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	5	0.39
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	14	0.39
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	14	0.39
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	4	0.39
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	4	0.39
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	4	0.39
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	4	0.39
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	4	0.39
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	4	0.39
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	8	0.39
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	6	0.39
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	20	0.39
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	18	0.39
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	1	0.39
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	1	0.39
(1,1159)	1:398:A:GLN:HG3	1:433:A:SER:HB2	6	0.39
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG2	19	0.39
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG3	19	0.39
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	17	0.39
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	11	0.39
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	15	0.39
(1,1112)	1:423:A:GLN:H	1:423:A:GLN:HG3	14	0.39
(1,1112)	1:423:A:GLN:H	1:423:A:GLN:HG3	19	0.39
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	4	0.39
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	8	0.39
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	10	0.39
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	2	0.39
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	2	0.39
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	10	0.39
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	10	0.39
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	8	0.39
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	8	0.39
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	2	0.39
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	2	0.39
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	13	0.39
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	13	0.39
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	19	0.39
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	19	0.39
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	16	0.39
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	2	0.39
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	5	0.39
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	5	0.39
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	7	0.39
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	7	0.39
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	18	0.39
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	18	0.39
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	20	0.39
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	20	0.39
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	14	0.39
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	14	0.39
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	14	0.39
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	14	0.39
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	15	0.39
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	15	0.39
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	15	0.39
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	17	0.39
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	17	0.39
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	17	0.39
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	8	0.39
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	17	0.39
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD1	20	0.39
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD2	20	0.39
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	13	0.39
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	13	0.39
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	13	0.39
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	13	0.39
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	13	0.39
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	13	0.39
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	20	0.39
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	20	0.39
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	12	0.39
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	9	0.39
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	18	0.39
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	6	0.39
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	6	0.39
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	6	0.39
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	17	0.39
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	17	0.39
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	17	0.39
(1,873)	1:451:A:VAL:HA	1:452:A:SER:HB3	19	0.39
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	6	0.39
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	20	0.39
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	20	0.39
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	20	0.39
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	20	0.39
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	20	0.39
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	2	0.39
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	2	0.39
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	2	0.39
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD11	20	0.39
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD12	20	0.39
(1,844)	1:413:A:PRO:HG2	1:471:A:ILE:HD13	20	0.39
(1,830)	1:438:A:ILE:HG21	1:443:A:ASN:HB2	2	0.39
(1,830)	1:438:A:ILE:HG22	1:443:A:ASN:HB2	2	0.39
(1,830)	1:438:A:ILE:HG23	1:443:A:ASN:HB2	2	0.39
(1,830)	1:438:A:ILE:HG21	1:443:A:ASN:HB2	4	0.39
(1,830)	1:438:A:ILE:HG22	1:443:A:ASN:HB2	4	0.39
(1,830)	1:438:A:ILE:HG23	1:443:A:ASN:HB2	4	0.39
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	8	0.39
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	10	0.39
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	14	0.39
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	15	0.39
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	8	0.39
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	8	0.39
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	8	0.39
(1,721)	1:469:A:PHE:HD1	1:471:A:ILE:HB	10	0.39
(1,721)	1:469:A:PHE:HD2	1:471:A:ILE:HB	10	0.39
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	15	0.39
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	5	0.39
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	9	0.39
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	13	0.39
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	17	0.39
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	13	0.39
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	13	0.39
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	13	0.39
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	13	0.39
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	13	0.39
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	13	0.39
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	12	0.39
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	12	0.39
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	12	0.39
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	14	0.39
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	14	0.39
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	1	0.39
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	1	0.39
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	1	0.39
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	3	0.39
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	3	0.39
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	3	0.39
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	3	0.39
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	3	0.39
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	3	0.39
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	5	0.39
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	5	0.39
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	5	0.39
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	5	0.39
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	5	0.39
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	5	0.39
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	3	0.39
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	13	0.39
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	15	0.39
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	15	0.39
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	15	0.39
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	15	0.39
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	15	0.39
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	15	0.39
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	19	0.39
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	19	0.39
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	19	0.39
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	17	0.39
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	17	0.39
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	17	0.39
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	5	0.39
(1,622)	1:402:A:PRO:HD2	1:454:A:ASP:HB3	10	0.39
(1,622)	1:402:A:PRO:HD2	1:454:A:ASP:HB3	12	0.39
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	8	0.39
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	8	0.39
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	8	0.39
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	9	0.39
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	9	0.39
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	9	0.39
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	11	0.39
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	11	0.39
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	10	0.39
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	17	0.39
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	17	0.39
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	8	0.39
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	8	0.39
(1,589)	1:486:A:ASP:H	1:486:A:ASP:HB3	5	0.39
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	2	0.39
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	2	0.39
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	2	0.39
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	1	0.39
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	1	0.39
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	1	0.39
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	10	0.39
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	10	0.39
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	10	0.39
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	9	0.39
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	1	0.39
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	8	0.39
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	17	0.39
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	17	0.39
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	19	0.39
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	19	0.39
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	6	0.39
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	6	0.39
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	6	0.39
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	6	0.39
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	6	0.39
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	6	0.39
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	6	0.39
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	6	0.39
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	6	0.39
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	6	0.39
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	6	0.39
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	6	0.39
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	8	0.39
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	8	0.39
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	20	0.39
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	20	0.39
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	3	0.39
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	3	0.39
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	3	0.39
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	18	0.39
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	18	0.39
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	18	0.39
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	18	0.39
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	12	0.39
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	12	0.39
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	12	0.39
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	12	0.39
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	12	0.39
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	12	0.39
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	19	0.39
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	19	0.39
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	19	0.39
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	19	0.39
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	8	0.39
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	8	0.39
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	4	0.39
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	4	0.39
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	19	0.39
(1,441)	1:433:A:SER:HB3	1:452:A:SER:HB3	19	0.39
(1,425)	1:433:A:SER:HB2	1:434:A:ALA:HA	12	0.39
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	5	0.39
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	5	0.39
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	10	0.39
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	20	0.39
(1,383)	1:471:A:ILE:H	1:475:A:ARG:HD2	19	0.39
(1,369)	1:401:A:GLY:H	1:452:A:SER:HB2	7	0.39
(1,369)	1:401:A:GLY:H	1:452:A:SER:HB2	8	0.39
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	13	0.39
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	13	0.39
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	13	0.39
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	1	0.39
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	1	0.39
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	1	0.39
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	10	0.39
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	10	0.39
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	10	0.39
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	14	0.39
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	14	0.39
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	14	0.39
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	14	0.39
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	14	0.39
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	13	0.39
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	13	0.39
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	13	0.39
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	13	0.39
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	13	0.39
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	13	0.39
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	14	0.39
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	14	0.39
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	14	0.39
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	14	0.39
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	14	0.39
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	14	0.39
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	6	0.39
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	6	0.39
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	6	0.39
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	14	0.39
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	14	0.39
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	14	0.39
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	15	0.39
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	15	0.39
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	15	0.39
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	17	0.39
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	17	0.39
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	17	0.39
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	19	0.39
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	19	0.39
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	19	0.39
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	3	0.39
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	7	0.39
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	10	0.39
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	10	0.39
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	10	0.39
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	10	0.39
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	7	0.39
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	7	0.39
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	7	0.39
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	7	0.39
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	7	0.39
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	7	0.39
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	10	0.39
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	10	0.39
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	15	0.39
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	15	0.39
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	15	0.39
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	20	0.39
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	20	0.39
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	20	0.39
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG11	7	0.39
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG12	7	0.39
(1,255)	1:478:A:VAL:HA	1:478:A:VAL:HG13	7	0.39
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	9	0.39
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	9	0.39
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	9	0.39
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	9	0.39
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	9	0.39
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	9	0.39
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	3	0.39
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	3	0.39
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	3	0.39
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	4	0.39
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	4	0.39
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	4	0.39
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	8	0.39
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	8	0.39
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	8	0.39
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	12	0.39
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	12	0.39
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	8	0.39
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	3	0.39
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	3	0.39
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	3	0.39
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	3	0.39
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	3	0.39
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	3	0.39
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	18	0.39
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	18	0.39
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	18	0.39
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	18	0.39
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	18	0.39
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	18	0.39
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	11	0.39
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	11	0.39
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	11	0.39
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	11	0.39
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	11	0.39
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	18	0.39
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	18	0.39
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	18	0.39
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	18	0.39
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	18	0.39
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	18	0.39
(1,200)	1:404:A:GLY:HA2	1:456:A:PRO:HB3	8	0.39
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	9	0.39
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	9	0.39
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	9	0.39
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	16	0.39
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	16	0.39
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	16	0.39
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	17	0.39
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	17	0.39
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	17	0.39
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	4	0.39
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	4	0.39
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	4	0.39
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	18	0.39
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	18	0.39
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	18	0.39
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	2	0.39
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	2	0.39
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	2	0.39
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	2	0.39
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	2	0.39
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	2	0.39
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	13	0.39
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	13	0.39
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	13	0.39
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	13	0.39
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	13	0.39
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	13	0.39
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	19	0.39
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	19	0.39
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	19	0.39
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	19	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	19	0.39
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	19	0.39
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	18	0.39
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	18	0.39
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	18	0.39
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	18	0.39
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	18	0.39
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	18	0.39
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	18	0.39
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	18	0.39
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	18	0.39
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	18	0.39
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	18	0.39
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	18	0.39
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	18	0.39
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	18	0.39
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	18	0.39
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	18	0.39
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	18	0.39
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	18	0.39
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	18	0.39
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	18	0.39
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	18	0.39
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	18	0.39
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	18	0.39
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	18	0.39
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	18	0.39
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	18	0.39
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	18	0.39
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	18	0.39
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	18	0.39
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	18	0.39
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	18	0.39
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	18	0.39
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	18	0.39
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	18	0.39
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	18	0.39
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	18	0.39
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	9	0.39
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	9	0.39
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	9	0.39
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	9	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	9	0.39
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	9	0.39
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	18	0.39
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	18	0.39
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	18	0.39
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	18	0.39
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	18	0.39
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	18	0.39
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG2	9	0.39
(1,71)	1:477:A:LYS:H	1:477:A:LYS:HG3	9	0.39
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	2	0.39
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	2	0.39
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	7	0.39
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	7	0.39
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	9	0.39
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	9	0.39
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	17	0.39
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	17	0.39
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	20	0.39
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	20	0.39
(1,61)	1:480:A:LEU:HB2	1:480:A:LEU:HG	14	0.39
(1,61)	1:480:A:LEU:HB3	1:480:A:LEU:HG	14	0.39
(1,60)	1:480:A:LEU:HG	1:481:A:LYS:H	13	0.39
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	13	0.39
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	13	0.39
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	13	0.39
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	13	0.39
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	13	0.39
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	13	0.39
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	13	0.39
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	13	0.39
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	13	0.39
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	13	0.39
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	13	0.39
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	13	0.39
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	13	0.39
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	13	0.39
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	13	0.39
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	13	0.39
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	13	0.39
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	13	0.39
(1,45)	1:407:A:LEU:HD11	1:460:A:GLN:H	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:407:A:LEU:HD12	1:460:A:GLN:H	18	0.39
(1,45)	1:407:A:LEU:HD13	1:460:A:GLN:H	18	0.39
(1,45)	1:407:A:LEU:HD21	1:460:A:GLN:H	18	0.39
(1,45)	1:407:A:LEU:HD22	1:460:A:GLN:H	18	0.39
(1,45)	1:407:A:LEU:HD23	1:460:A:GLN:H	18	0.39
(1,39)	1:409:A:ILE:HG21	1:476:A:LEU:HG	2	0.39
(1,39)	1:409:A:ILE:HG22	1:476:A:LEU:HG	2	0.39
(1,39)	1:409:A:ILE:HG23	1:476:A:LEU:HG	2	0.39
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	20	0.39
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	9	0.39
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	2	0.39
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	2	0.39
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	2	0.39
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB1	16	0.39
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB2	16	0.39
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB3	16	0.39
(1,12)	1:407:A:LEU:HG	1:453:A:TYR:HD1	16	0.39
(1,12)	1:407:A:LEU:HG	1:453:A:TYR:HD2	16	0.39
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	3	0.39
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	3	0.39
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	5	0.38
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	5	0.38
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	5	0.38
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	5	0.38
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	5	0.38
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	5	0.38
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	3	0.38
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	3	0.38
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD1	13	0.38
(1,2418)	1:416:A:PHE:HA	1:416:A:PHE:HD2	13	0.38
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	1	0.38
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	1	0.38
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD1	17	0.38
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD2	17	0.38
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	4	0.38
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	4	0.38
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	7	0.38
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	7	0.38
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD1	15	0.38
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD2	15	0.38
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	18	0.38
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	5	0.38
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	5	0.38
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	3	0.38
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	8	0.38
(1,2312)	1:426:A:MET:HA	1:428:A:PHE:H	15	0.38
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	2	0.38
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	19	0.38
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	20	0.38
(1,2290)	1:470:A:GLN:HA	1:470:A:GLN:HE21	1	0.38
(1,2290)	1:470:A:GLN:HA	1:470:A:GLN:HE21	11	0.38
(1,2261)	1:410:A:TYR:HB3	1:411:A:HIS:H	7	0.38
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	10	0.38
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	10	0.38
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	13	0.38
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	13	0.38
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	17	0.38
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	17	0.38
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	3	0.38
(1,2241)	1:445:A:SER:HB2	1:479:A:GLN:HE22	9	0.38
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	16	0.38
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	16	0.38
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	16	0.38
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	8	0.38
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	12	0.38
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	16	0.38
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	16	0.38
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	16	0.38
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	14	0.38
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	14	0.38
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	14	0.38
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	14	0.38
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	14	0.38
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	14	0.38
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	15	0.38
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	15	0.38
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	15	0.38
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	15	0.38
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	15	0.38
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	15	0.38
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	18	0.38
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	18	0.38
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	18	0.38
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	18	0.38
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	18	0.38
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	20	0.38
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	20	0.38
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	20	0.38
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	1	0.38
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	16	0.38
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	3	0.38
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	3	0.38
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	4	0.38
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	4	0.38
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	13	0.38
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	15	0.38
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	5	0.38
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	5	0.38
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	9	0.38
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	9	0.38
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	18	0.38
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	18	0.38
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	6	0.38
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	2	0.38
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	16	0.38
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	20	0.38
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	13	0.38
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	16	0.38
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	17	0.38
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	13	0.38
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	17	0.38
(1,2014)	1:407:A:LEU:HB2	1:408:A:PHE:H	18	0.38
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	15	0.38
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	4	0.38
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	5	0.38
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	5	0.38
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	15	0.38
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	11	0.38
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	12	0.38
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	20	0.38
(1,1965)	1:405:A:ALA:H	1:406:A:ASN:HB3	14	0.38
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	10	0.38
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	2	0.38
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	8	0.38
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	8	0.38
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	8	0.38
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	10	0.38
(1,1936)	1:486:A:ASP:H	1:486:A:ASP:HB2	8	0.38
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	9	0.38
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	11	0.38
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	5	0.38
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	9	0.38
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	12	0.38
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	7	0.38
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	7	0.38
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	7	0.38
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	10	0.38
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	10	0.38
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	10	0.38
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	1	0.38
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	15	0.38
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	7	0.38
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	3	0.38
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	3	0.38
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	18	0.38
(1,1838)	1:469:A:PHE:H	1:476:A:LEU:H	16	0.38
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	10	0.38
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	10	0.38
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	16	0.38
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	2	0.38
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	10	0.38
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	17	0.38
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	20	0.38
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	12	0.38
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	8	0.38
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	18	0.38
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	11	0.38
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	1	0.38
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	4	0.38
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	4	0.38
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	12	0.38
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	12	0.38
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	15	0.38
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	15	0.38
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	20	0.38
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	15	0.38
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	16	0.38
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	18	0.38
(1,1772)	1:444:A:LEU:HD11	1:446:A:LYS:H	9	0.38
(1,1772)	1:444:A:LEU:HD12	1:446:A:LYS:H	9	0.38
(1,1772)	1:444:A:LEU:HD13	1:446:A:LYS:H	9	0.38
(1,1772)	1:444:A:LEU:HD21	1:446:A:LYS:H	9	0.38
(1,1772)	1:444:A:LEU:HD22	1:446:A:LYS:H	9	0.38
(1,1772)	1:444:A:LEU:HD23	1:446:A:LYS:H	9	0.38
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	19	0.38
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	19	0.38
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	10	0.38
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	10	0.38
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	10	0.38
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	14	0.38
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	3	0.38
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	6	0.38
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	7	0.38
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	12	0.38
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	13	0.38
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	18	0.38
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	9	0.38
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	13	0.38
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	6	0.38
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	6	0.38
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	11	0.38
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	11	0.38
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	11	0.38
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	11	0.38
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	5	0.38
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	8	0.38
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	8	0.38
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	6	0.38
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	6	0.38
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	7	0.38
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	7	0.38
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	12	0.38
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	12	0.38
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	13	0.38
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	6	0.38
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	5	0.38
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	5	0.38
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	5	0.38
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	7	0.38
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	7	0.38
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	7	0.38
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	2	0.38
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	7	0.38
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	15	0.38
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	4	0.38
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	4	0.38
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	10	0.38
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	2	0.38
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	2	0.38
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	7	0.38
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	7	0.38
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	17	0.38
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	17	0.38
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	6	0.38
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	9	0.38
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	9	0.38
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	9	0.38
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	12	0.38
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	12	0.38
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	14	0.38
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	14	0.38
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	15	0.38
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	2	0.38
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	18	0.38
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	14	0.38
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	14	0.38
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	14	0.38
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	14	0.38
(1,1534)	1:440:A:LYS:HD2	1:441:A:GLN:HG2	13	0.38
(1,1534)	1:440:A:LYS:HD3	1:441:A:GLN:HG2	13	0.38
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	1	0.38
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	6	0.38
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	7	0.38
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	15	0.38
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	15	0.38
(1,1515)	1:398:A:GLN:HB2	1:399:A:LYS:H	15	0.38
(1,1515)	1:398:A:GLN:HB3	1:399:A:LYS:H	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	17	0.38
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	17	0.38
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	17	0.38
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	17	0.38
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	4	0.38
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	4	0.38
(1,1471)	1:405:A:ALA:HB1	1:454:A:ASP:HA	15	0.38
(1,1471)	1:405:A:ALA:HB2	1:454:A:ASP:HA	15	0.38
(1,1471)	1:405:A:ALA:HB3	1:454:A:ASP:HA	15	0.38
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	7	0.38
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	16	0.38
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	2	0.38
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	16	0.38
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	20	0.38
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	8	0.38
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	8	0.38
(1,1409)	1:400:A:GLU:HB3	1:452:A:SER:HB2	16	0.38
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	7	0.38
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	7	0.38
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	5	0.38
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	5	0.38
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	12	0.38
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	15	0.38
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	1	0.38
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	16	0.38
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	12	0.38
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	12	0.38
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD2	18	0.38
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD3	18	0.38
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	1	0.38
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	1	0.38
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	14	0.38
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	14	0.38
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	10	0.38
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	10	0.38
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	10	0.38
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	10	0.38
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	14	0.38
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	14	0.38
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG11	8	0.38
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG12	8	0.38
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG13	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG11	8	0.38
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG12	8	0.38
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG13	8	0.38
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	7	0.38
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	5	0.38
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	18	0.38
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	3	0.38
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	3	0.38
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	13	0.38
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	13	0.38
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	19	0.38
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	19	0.38
(1,1302)	1:472:A:GLY:HA3	1:473:A:MET:HG3	3	0.38
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	3	0.38
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD2	4	0.38
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD3	4	0.38
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	13	0.38
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	1	0.38
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	14	0.38
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	17	0.38
(1,1238)	1:451:A:VAL:HG11	1:452:A:SER:HA	16	0.38
(1,1238)	1:451:A:VAL:HG12	1:452:A:SER:HA	16	0.38
(1,1238)	1:451:A:VAL:HG13	1:452:A:SER:HA	16	0.38
(1,1226)	1:399:A:LYS:HA	1:400:A:GLU:HG3	18	0.38
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	7	0.38
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	7	0.38
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	13	0.38
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	13	0.38
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	4	0.38
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	4	0.38
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	4	0.38
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	4	0.38
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	8	0.38
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	8	0.38
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	8	0.38
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	8	0.38
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	17	0.38
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	17	0.38
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	17	0.38
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	17	0.38
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	7	0.38
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	20	0.38
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	20	0.38
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	2	0.38
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	2	0.38
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	13	0.38
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	13	0.38
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	15	0.38
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	15	0.38
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	3	0.38
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	3	0.38
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	3	0.38
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	3	0.38
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	6	0.38
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	6	0.38
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	6	0.38
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	6	0.38
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	9	0.38
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	9	0.38
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	9	0.38
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	9	0.38
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	12	0.38
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	15	0.38
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	10	0.38
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	1	0.38
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	4	0.38
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	14	0.38
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	16	0.38
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	20	0.38
(1,1139)	1:477:A:LYS:HG2	1:479:A:GLN:HG2	6	0.38
(1,1139)	1:477:A:LYS:HG2	1:479:A:GLN:HG3	6	0.38
(1,1139)	1:477:A:LYS:HG3	1:479:A:GLN:HG2	6	0.38
(1,1139)	1:477:A:LYS:HG3	1:479:A:GLN:HG3	6	0.38
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	5	0.38
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	6	0.38
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	8	0.38
(1,1112)	1:423:A:GLN:H	1:423:A:GLN:HG3	5	0.38
(1,1103)	1:479:A:GLN:HG2	1:480:A:LEU:H	13	0.38
(1,1103)	1:479:A:GLN:HG3	1:480:A:LEU:H	13	0.38
(1,1102)	1:436:A:VAL:HG11	1:438:A:ILE:HD11	9	0.38
(1,1102)	1:436:A:VAL:HG11	1:438:A:ILE:HD12	9	0.38
(1,1102)	1:436:A:VAL:HG11	1:438:A:ILE:HD13	9	0.38
(1,1102)	1:436:A:VAL:HG12	1:438:A:ILE:HD11	9	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1102)	1:436:A:VAL:HG12	1:438:A:ILE:HD12	9	0.38
(1,1102)	1:436:A:VAL:HG12	1:438:A:ILE:HD13	9	0.38
(1,1102)	1:436:A:VAL:HG13	1:438:A:ILE:HD11	9	0.38
(1,1102)	1:436:A:VAL:HG13	1:438:A:ILE:HD12	9	0.38
(1,1102)	1:436:A:VAL:HG13	1:438:A:ILE:HD13	9	0.38
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	14	0.38
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	20	0.38
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	20	0.38
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	20	0.38
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	20	0.38
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	4	0.38
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	4	0.38
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	18	0.38
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	18	0.38
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	18	0.38
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	18	0.38
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	6	0.38
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	6	0.38
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	6	0.38
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	10	0.38
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	10	0.38
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	12	0.38
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	12	0.38
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	20	0.38
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	20	0.38
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	10	0.38
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	10	0.38
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	17	0.38
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	17	0.38
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	8	0.38
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	4	0.38
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	4	0.38
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	4	0.38
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	16	0.38
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	16	0.38
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	16	0.38
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	19	0.38
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	19	0.38
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	19	0.38
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	13	0.38
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	13	0.38
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD1	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD2	3	0.38
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD1	10	0.38
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD2	10	0.38
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	19	0.38
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	8	0.38
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	8	0.38
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	8	0.38
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	8	0.38
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	3	0.38
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	3	0.38
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	1	0.38
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	1	0.38
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	3	0.38
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	3	0.38
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	6	0.38
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	5	0.38
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	5	0.38
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	5	0.38
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	15	0.38
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	15	0.38
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	4	0.38
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	4	0.38
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	4	0.38
(1,880)	1:463:A:ILE:HD11	1:479:A:GLN:H	4	0.38
(1,880)	1:463:A:ILE:HD12	1:479:A:GLN:H	4	0.38
(1,880)	1:463:A:ILE:HD13	1:479:A:GLN:H	4	0.38
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	13	0.38
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	13	0.38
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	3	0.38
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	19	0.38
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	9	0.38
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	9	0.38
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	9	0.38
(1,837)	1:443:A:ASN:H	1:443:A:ASN:HB3	6	0.38
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	16	0.38
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	19	0.38
(1,784)	1:436:A:VAL:HA	1:449:A:GLY:HA3	10	0.38
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	16	0.38
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	16	0.38
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	16	0.38
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	16	0.38
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	16	0.38
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD2	14	0.38
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD3	14	0.38
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	2	0.38
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	2	0.38
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	2	0.38
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	2	0.38
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	2	0.38
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	2	0.38
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	4	0.38
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	4	0.38
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	4	0.38
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	20	0.38
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	20	0.38
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	20	0.38
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	18	0.38
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	18	0.38
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	18	0.38
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	9	0.38
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	9	0.38
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	9	0.38
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	9	0.38
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	9	0.38
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	9	0.38
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	16	0.38
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	16	0.38
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	16	0.38
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	16	0.38
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	16	0.38
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	16	0.38
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	18	0.38
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	18	0.38
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	18	0.38
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	18	0.38
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	18	0.38
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	18	0.38
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG21	6	0.38
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG22	6	0.38
(1,674)	1:413:A:PRO:HA	1:471:A:ILE:HG23	6	0.38
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	10	0.38
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	11	0.38
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	18	0.38
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	8	0.38
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	8	0.38
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	8	0.38
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	8	0.38
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	8	0.38
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	8	0.38
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	4	0.38
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	4	0.38
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	4	0.38
(1,589)	1:486:A:ASP:H	1:486:A:ASP:HB3	1	0.38
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	13	0.38
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	13	0.38
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	13	0.38
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	14	0.38
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	14	0.38
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	14	0.38
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	17	0.38
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	17	0.38
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	17	0.38
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	3	0.38
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	3	0.38
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	3	0.38
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	7	0.38
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	7	0.38
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	7	0.38
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	8	0.38
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	8	0.38
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	8	0.38
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	8	0.38
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	8	0.38
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	8	0.38
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	13	0.38
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	13	0.38
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	13	0.38
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	13	0.38
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	13	0.38
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	13	0.38
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	16	0.38
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	16	0.38
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	16	0.38
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	16	0.38
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	16	0.38
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	7	0.38
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	14	0.38
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	2	0.38
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	2	0.38
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	14	0.38
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	14	0.38
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	5	0.38
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	5	0.38
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	5	0.38
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	5	0.38
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	17	0.38
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	17	0.38
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	17	0.38
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	17	0.38
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	3	0.38
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	3	0.38
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	3	0.38
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	3	0.38
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	3	0.38
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	3	0.38
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	3	0.38
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	3	0.38
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	3	0.38
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	3	0.38
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	3	0.38
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	3	0.38
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	19	0.38
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	19	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	1	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	1	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	1	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	1	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	2	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	2	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	2	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	2	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	4	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	4	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	4	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	5	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	5	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	5	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	5	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	6	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	6	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	6	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	6	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	8	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	8	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	8	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	8	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	9	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	9	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	9	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	9	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	10	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	10	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	10	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	10	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	14	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	14	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	14	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	14	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	16	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	16	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	16	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	16	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	19	0.38
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	19	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	19	0.38
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	19	0.38
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	16	0.38
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	16	0.38
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	16	0.38
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	10	0.38
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	10	0.38
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	10	0.38
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	10	0.38
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	10	0.38
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	10	0.38
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	4	0.38
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	4	0.38
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	4	0.38
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	8	0.38
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	8	0.38
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	8	0.38
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	8	0.38
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	16	0.38
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	16	0.38
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	16	0.38
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	16	0.38
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	19	0.38
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	19	0.38
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	19	0.38
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	19	0.38
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	2	0.38
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	2	0.38
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB2	12	0.38
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB3	12	0.38
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB2	12	0.38
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB3	12	0.38
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB2	12	0.38
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB3	12	0.38
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	6	0.38
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	6	0.38
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	7	0.38
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	7	0.38
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	20	0.38
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	20	0.38
(1,419)	1:480:A:LEU:HB2	1:481:A:LYS:H	7	0.38
(1,419)	1:480:A:LEU:HB3	1:481:A:LYS:H	7	0.38
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	15	0.38
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	10	0.38
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	6	0.38
(1,395)	1:405:A:ALA:HB1	1:452:A:SER:HB2	2	0.38
(1,395)	1:405:A:ALA:HB2	1:452:A:SER:HB2	2	0.38
(1,395)	1:405:A:ALA:HB3	1:452:A:SER:HB2	2	0.38
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	13	0.38
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	2	0.38
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	2	0.38
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	2	0.38
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	16	0.38
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	16	0.38
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	7	0.38
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	7	0.38
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	7	0.38
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	12	0.38
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	12	0.38
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	12	0.38
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	12	0.38
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	12	0.38
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	12	0.38
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	12	0.38
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	12	0.38
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	12	0.38
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	2	0.38
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	2	0.38
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	2	0.38
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	16	0.38
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	16	0.38
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	16	0.38
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	17	0.38
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	17	0.38
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	17	0.38
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	19	0.38
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	19	0.38
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	19	0.38
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	7	0.38
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	7	0.38
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	7	0.38
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	18	0.38
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	18	0.38
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	18	0.38
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	13	0.38
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	13	0.38
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	13	0.38
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	13	0.38
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	13	0.38
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	13	0.38
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	8	0.38
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	19	0.38
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	14	0.38
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	3	0.38
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	3	0.38
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	6	0.38
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	6	0.38
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	6	0.38
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	6	0.38
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	6	0.38
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	6	0.38
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	6	0.38
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	6	0.38
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	6	0.38
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	9	0.38
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	9	0.38
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	9	0.38
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	11	0.38
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	11	0.38
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	11	0.38
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	14	0.38
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	14	0.38
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	14	0.38
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	18	0.38
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	18	0.38
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	18	0.38
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	1	0.38
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	1	0.38
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	1	0.38
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	15	0.38
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	15	0.38
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	15	0.38
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	11	0.38
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	11	0.38
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	11	0.38
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	15	0.38
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	15	0.38
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	15	0.38
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	18	0.38
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	18	0.38
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	18	0.38
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	17	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	2	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	2	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	2	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	2	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	2	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	6	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	6	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	6	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	6	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	6	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	6	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	15	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	15	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	15	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	15	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	15	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	15	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	20	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	20	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	20	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	20	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	20	0.38
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	20	0.38
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	11	0.38
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	11	0.38
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	11	0.38
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	11	0.38
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	11	0.38
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	11	0.38
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	1	0.38
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	1	0.38
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	1	0.38
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	1	0.38
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	1	0.38
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	1	0.38
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	14	0.38
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	14	0.38
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	14	0.38
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	14	0.38
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	14	0.38
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	14	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	5	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	5	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	5	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	5	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	5	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	8	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	8	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	8	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	8	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	8	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	8	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	9	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	9	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	9	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	9	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	9	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	9	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	10	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	10	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	10	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	10	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	10	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	10	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	19	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	19	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	19	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	19	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	19	0.38
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	19	0.38
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	20	0.38
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	20	0.38
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	20	0.38
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	6	0.38
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	6	0.38
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	6	0.38
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	14	0.38
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	15	0.38
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	20	0.38
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	12	0.38
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	12	0.38
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	12	0.38
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	12	0.38
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	12	0.38
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:442:A:THR:HG21	1:444:A:LEU:HG	15	0.38
(1,117)	1:442:A:THR:HG22	1:444:A:LEU:HG	15	0.38
(1,117)	1:442:A:THR:HG23	1:444:A:LEU:HG	15	0.38
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	17	0.38
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	8	0.38
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	8	0.38
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	8	0.38
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	8	0.38
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	8	0.38
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	8	0.38
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	15	0.38
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	1	0.38
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	1	0.38
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	14	0.38
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	14	0.38
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	15	0.38
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	15	0.38
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	11	0.38
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	11	0.38
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	11	0.38
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	11	0.38
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	11	0.38
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	11	0.38
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	11	0.38
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	11	0.38
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	11	0.38
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	11	0.38
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	11	0.38
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	11	0.38
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	11	0.38
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	11	0.38
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	11	0.38
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	11	0.38
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	11	0.38
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	11	0.38
(1,39)	1:409:A:ILE:HG21	1:476:A:LEU:HG	16	0.38
(1,39)	1:409:A:ILE:HG22	1:476:A:LEU:HG	16	0.38
(1,39)	1:409:A:ILE:HG23	1:476:A:LEU:HG	16	0.38
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	19	0.38
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	1	0.38
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	13	0.38
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	15	0.38
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	3	0.38
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	3	0.38
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	3	0.38
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	7	0.38
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	7	0.38
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	7	0.38
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	7	0.38
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	7	0.38
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	10	0.38
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	10	0.38
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	12	0.38
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	12	0.38
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	8	0.37
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	8	0.37
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	8	0.37
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	8	0.37
(1,2390)	1:416:A:PHE:HE1	1:420:A:ASP:HB2	9	0.37
(1,2390)	1:416:A:PHE:HE2	1:420:A:ASP:HB2	9	0.37
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	13	0.37
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	13	0.37
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD1	11	0.37
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD2	11	0.37
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	7	0.37
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	7	0.37
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	5	0.37
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	5	0.37
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	13	0.37
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	13	0.37
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB2	2	0.37
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB3	2	0.37
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB2	2	0.37
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB3	2	0.37
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	12	0.37
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	12	0.37
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	18	0.37
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	6	0.37
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	16	0.37
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	5	0.37
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	3	0.37
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	10	0.37
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	1	0.37
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	1	0.37
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	5	0.37
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	5	0.37
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	8	0.37
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	8	0.37
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	9	0.37
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	9	0.37
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	14	0.37
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	14	0.37
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	20	0.37
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	2	0.37
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	2	0.37
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	15	0.37
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	15	0.37
(1,2241)	1:445:A:SER:HB2	1:479:A:GLN:HE22	19	0.37
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	4	0.37
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	16	0.37
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	17	0.37
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	17	0.37
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	17	0.37
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	19	0.37
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	19	0.37
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	19	0.37
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	19	0.37
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	19	0.37
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	19	0.37
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	13	0.37
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	20	0.37
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	1	0.37
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	16	0.37
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	18	0.37
(1,2115)	1:459:A:ALA:H	1:460:A:GLN:H	2	0.37
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	19	0.37
(1,2101)	1:421:A:ILE:H	1:422:A:LEU:H	8	0.37
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	1	0.37
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	1	0.37
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	8	0.37
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	8	0.37
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	11	0.37
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	11	0.37
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	12	0.37
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	14	0.37
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	4	0.37
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	12	0.37
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	3	0.37
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	4	0.37
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	8	0.37
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	9	0.37
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	15	0.37
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	19	0.37
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	6	0.37
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	8	0.37
(1,2012)	1:408:A:PHE:H	1:408:A:PHE:HB2	10	0.37
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	17	0.37
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	17	0.37
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB2	13	0.37
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB3	13	0.37
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	2	0.37
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	16	0.37
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	2	0.37
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	4	0.37
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	7	0.37
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	9	0.37
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	11	0.37
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	8	0.37
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	14	0.37
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	17	0.37
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	10	0.37
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	1	0.37
(1,1914)	1:399:A:LYS:HB2	1:400:A:GLU:H	9	0.37
(1,1914)	1:399:A:LYS:HB3	1:400:A:GLU:H	9	0.37
(1,1911)	1:400:A:GLU:H	1:433:A:SER:HB3	14	0.37
(1,1901)	1:418:A:ASP:H	1:418:A:ASP:HB3	3	0.37
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	10	0.37
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	11	0.37
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	12	0.37
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	13	0.37
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	15	0.37
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	11	0.37
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	12	0.37
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	6	0.37
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1867)	1:418:A:ASP:HB2	1:436:A:VAL:H	19	0.37
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	19	0.37
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	6	0.37
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	6	0.37
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	16	0.37
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	16	0.37
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	12	0.37
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	12	0.37
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	4	0.37
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	15	0.37
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	10	0.37
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	10	0.37
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	11	0.37
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	15	0.37
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	20	0.37
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	2	0.37
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	2	0.37
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	8	0.37
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	1	0.37
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	5	0.37
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	9	0.37
(1,1805)	1:490:A:TYR:H	1:490:A:TYR:HB2	14	0.37
(1,1794)	1:407:A:LEU:HD11	1:479:A:GLN:H	14	0.37
(1,1794)	1:407:A:LEU:HD12	1:479:A:GLN:H	14	0.37
(1,1794)	1:407:A:LEU:HD13	1:479:A:GLN:H	14	0.37
(1,1794)	1:407:A:LEU:HD21	1:479:A:GLN:H	14	0.37
(1,1794)	1:407:A:LEU:HD22	1:479:A:GLN:H	14	0.37
(1,1794)	1:407:A:LEU:HD23	1:479:A:GLN:H	14	0.37
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	1	0.37
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	13	0.37
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	15	0.37
(1,1792)	1:450:A:PHE:HB3	1:451:A:VAL:H	12	0.37
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	9	0.37
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	3	0.37
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	7	0.37
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	7	0.37
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	11	0.37
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	11	0.37
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	1	0.37
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	11	0.37
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	1	0.37
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	1	0.37
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	2	0.37
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	2	0.37
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	2	0.37
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	16	0.37
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	16	0.37
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	16	0.37
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	17	0.37
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	1	0.37
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	12	0.37
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	3	0.37
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	20	0.37
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	20	0.37
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	20	0.37
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	20	0.37
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	19	0.37
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	2	0.37
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	7	0.37
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	10	0.37
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	5	0.37
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	5	0.37
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	19	0.37
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	18	0.37
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	18	0.37
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	12	0.37
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	6	0.37
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	6	0.37
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	6	0.37
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	12	0.37
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	12	0.37
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	12	0.37
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	12	0.37
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	12	0.37
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	12	0.37
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	2	0.37
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	2	0.37
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	10	0.37
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	10	0.37
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	5	0.37
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	5	0.37
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	1	0.37
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	3	0.37
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	3	0.37
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	18	0.37
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	18	0.37
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	18	0.37
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	3	0.37
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	3	0.37
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	4	0.37
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	13	0.37
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	13	0.37
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	20	0.37
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	20	0.37
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	2	0.37
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	2	0.37
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	2	0.37
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	13	0.37
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	13	0.37
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	13	0.37
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	4	0.37
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	4	0.37
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG12	3	0.37
(1,1476)	1:460:A:GLN:HA	1:463:A:ILE:HG13	3	0.37
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	4	0.37
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	13	0.37
(1,1459)	1:406:A:ASN:HA	1:407:A:LEU:HA	18	0.37
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	3	0.37
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	5	0.37
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	8	0.37
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	15	0.37
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	16	0.37
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	2	0.37
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	2	0.37
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	2	0.37
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	8	0.37
(1,1439)	1:418:A:ASP:HB2	1:435:A:LYS:HA	11	0.37
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	19	0.37
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	19	0.37
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	2	0.37
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	2	0.37
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	18	0.37
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	4	0.37
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG11	7	0.37
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG12	7	0.37
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG13	7	0.37
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG11	7	0.37
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG12	7	0.37
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG13	7	0.37
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	3	0.37
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	5	0.37
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	20	0.37
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	20	0.37
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	15	0.37
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	15	0.37
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	17	0.37
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	17	0.37
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	20	0.37
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	20	0.37
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	18	0.37
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	18	0.37
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	8	0.37
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	8	0.37
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	8	0.37
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	2	0.37
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	2	0.37
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	6	0.37
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	6	0.37
(1,1309)	1:472:A:GLY:HA3	1:473:A:MET:HG2	7	0.37
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	9	0.37
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	11	0.37
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	17	0.37
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	18	0.37
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	12	0.37
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	6	0.37
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	3	0.37
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	5	0.37
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	11	0.37
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	12	0.37
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	20	0.37
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	1	0.37
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	1	0.37
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE2	18	0.37
(1,1213)	1:399:A:LYS:HB2	1:399:A:LYS:HE3	18	0.37
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE2	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1213)	1:399:A:LYS:HB3	1:399:A:LYS:HE3	18	0.37
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	3	0.37
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	11	0.37
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	11	0.37
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	1	0.37
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	1	0.37
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	1	0.37
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	1	0.37
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	11	0.37
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	11	0.37
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	11	0.37
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	11	0.37
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	19	0.37
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	19	0.37
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	19	0.37
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	19	0.37
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	20	0.37
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	20	0.37
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	20	0.37
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	20	0.37
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	7	0.37
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	11	0.37
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	18	0.37
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	19	0.37
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	11	0.37
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	13	0.37
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	17	0.37
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	18	0.37
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	20	0.37
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG21	15	0.37
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG22	15	0.37
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG23	15	0.37
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG21	15	0.37
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG22	15	0.37
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG23	15	0.37
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG21	16	0.37
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG22	16	0.37
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG23	16	0.37
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG21	16	0.37
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG22	16	0.37
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG23	16	0.37
(1,1168)	1:398:A:GLN:H	1:398:A:GLN:HG2	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1143)	1:408:A:PHE:HA	1:450:A:PHE:HA	3	0.37
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	5	0.37
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	9	0.37
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	9	0.37
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	19	0.37
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	19	0.37
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	2	0.37
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	19	0.37
(1,1112)	1:423:A:GLN:H	1:423:A:GLN:HG3	3	0.37
(1,1112)	1:423:A:GLN:H	1:423:A:GLN:HG3	18	0.37
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	12	0.37
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	13	0.37
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	4	0.37
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	11	0.37
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	11	0.37
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	11	0.37
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	11	0.37
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	11	0.37
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	17	0.37
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	17	0.37
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	8	0.37
(1,1039)	1:441:A:GLN:HA	1:441:A:GLN:HE22	2	0.37
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	5	0.37
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	6	0.37
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	6	0.37
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	11	0.37
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	11	0.37
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	14	0.37
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	14	0.37
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	4	0.37
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD11	4	0.37
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD12	4	0.37
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD13	4	0.37
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD11	4	0.37
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD12	4	0.37
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD13	4	0.37
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD11	7	0.37
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD12	7	0.37
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD13	7	0.37
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD11	7	0.37
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD12	7	0.37
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD13	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD11	17	0.37
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD12	17	0.37
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD13	17	0.37
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD11	17	0.37
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD12	17	0.37
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD13	17	0.37
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	8	0.37
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	8	0.37
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	8	0.37
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	20	0.37
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	20	0.37
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	20	0.37
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	4	0.37
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	1	0.37
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	1	0.37
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	1	0.37
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	1	0.37
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	17	0.37
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	17	0.37
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	17	0.37
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	17	0.37
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	11	0.37
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	11	0.37
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	17	0.37
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	3	0.37
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	3	0.37
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	3	0.37
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	2	0.37
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	2	0.37
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	2	0.37
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	4	0.37
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	4	0.37
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	4	0.37
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	2	0.37
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	2	0.37
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	2	0.37
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	20	0.37
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	20	0.37
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	20	0.37
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	10	0.37
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	10	0.37
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	12	0.37
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	14	0.37
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	14	0.37
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	17	0.37
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	17	0.37
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	3	0.37
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	3	0.37
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	3	0.37
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG11	1	0.37
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG12	1	0.37
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG13	1	0.37
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG11	1	0.37
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG12	1	0.37
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG13	1	0.37
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	2	0.37
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	2	0.37
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	6	0.37
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	6	0.37
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	6	0.37
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	12	0.37
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	12	0.37
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	12	0.37
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	2	0.37
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	2	0.37
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	2	0.37
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	5	0.37
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	5	0.37
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	5	0.37
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD11	6	0.37
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD12	6	0.37
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD13	6	0.37
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD21	6	0.37
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD22	6	0.37
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD23	6	0.37
(1,830)	1:438:A:ILE:HG21	1:443:A:ASN:HB2	12	0.37
(1,830)	1:438:A:ILE:HG22	1:443:A:ASN:HB2	12	0.37
(1,830)	1:438:A:ILE:HG23	1:443:A:ASN:HB2	12	0.37
(1,830)	1:438:A:ILE:HG21	1:443:A:ASN:HB2	19	0.37
(1,830)	1:438:A:ILE:HG22	1:443:A:ASN:HB2	19	0.37
(1,830)	1:438:A:ILE:HG23	1:443:A:ASN:HB2	19	0.37
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	4	0.37
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:485:A:ASN:HB2	1:486:A:ASP:H	19	0.37
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	18	0.37
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	18	0.37
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	18	0.37
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	18	0.37
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	18	0.37
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	18	0.37
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	18	0.37
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	18	0.37
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	18	0.37
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	4	0.37
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	4	0.37
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	4	0.37
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	19	0.37
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	19	0.37
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	19	0.37
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	19	0.37
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	19	0.37
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	19	0.37
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	6	0.37
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	8	0.37
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	5	0.37
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	10	0.37
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	1	0.37
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	3	0.37
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	9	0.37
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	2	0.37
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	6	0.37
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	7	0.37
(1,706)	1:413:A:PRO:HA	1:414:A:GLN:H	20	0.37
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	14	0.37
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	14	0.37
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	14	0.37
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	14	0.37
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	14	0.37
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	14	0.37
(1,691)	1:438:A:ILE:HG21	1:445:A:SER:H	18	0.37
(1,691)	1:438:A:ILE:HG22	1:445:A:SER:H	18	0.37
(1,691)	1:438:A:ILE:HG23	1:445:A:SER:H	18	0.37
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	2	0.37
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	2	0.37
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	2	0.37
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	2	0.37
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	2	0.37
(1,656)	1:432:A:ILE:HG21	1:454:A:ASP:HB2	20	0.37
(1,656)	1:432:A:ILE:HG22	1:454:A:ASP:HB2	20	0.37
(1,656)	1:432:A:ILE:HG23	1:454:A:ASP:HB2	20	0.37
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	3	0.37
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	3	0.37
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	3	0.37
(1,653)	1:432:A:ILE:HG21	1:454:A:ASP:H	20	0.37
(1,653)	1:432:A:ILE:HG22	1:454:A:ASP:H	20	0.37
(1,653)	1:432:A:ILE:HG23	1:454:A:ASP:H	20	0.37
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	10	0.37
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	10	0.37
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	10	0.37
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	10	0.37
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	10	0.37
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	10	0.37
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	8	0.37
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	9	0.37
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	16	0.37
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	12	0.37
(1,589)	1:486:A:ASP:H	1:486:A:ASP:HB3	9	0.37
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	2	0.37
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	2	0.37
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	2	0.37
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	5	0.37
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	5	0.37
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	5	0.37
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	13	0.37
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	13	0.37
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	13	0.37
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	15	0.37
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	15	0.37
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	15	0.37
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	16	0.37
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	16	0.37
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	16	0.37
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	7	0.37
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	7	0.37
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	8	0.37
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	8	0.37
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	8	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	5	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	5	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	5	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	5	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	5	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	5	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	5	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	5	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	5	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	5	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	5	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	5	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	8	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	8	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	8	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	8	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	8	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	8	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	8	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	8	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	8	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	8	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	8	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	8	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	9	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	9	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	9	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	9	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	9	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	9	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	9	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	9	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	9	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	9	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	9	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	9	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	12	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	12	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	12	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	12	0.37
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	12	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	12	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	12	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	12	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	12	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	12	0.37
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	12	0.37
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	12	0.37
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	12	0.37
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	12	0.37
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	12	0.37
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	12	0.37
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	12	0.37
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE2	13	0.37
(1,492)	1:440:A:LYS:HD2	1:440:A:LYS:HE3	13	0.37
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE2	13	0.37
(1,492)	1:440:A:LYS:HD3	1:440:A:LYS:HE3	13	0.37
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	13	0.37
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	13	0.37
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	13	0.37
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	7	0.37
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	7	0.37
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	7	0.37
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	7	0.37
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	17	0.37
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	17	0.37
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	17	0.37
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	17	0.37
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	18	0.37
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	18	0.37
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	18	0.37
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	18	0.37
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD2	15	0.37
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD3	15	0.37
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	13	0.37
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	13	0.37
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	18	0.37
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	18	0.37
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG21	19	0.37
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG22	19	0.37
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG23	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	19	0.37
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	19	0.37
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	8	0.37
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	4	0.37
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	16	0.37
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	16	0.37
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	10	0.37
(1,395)	1:405:A:ALA:HB1	1:452:A:SER:HB2	6	0.37
(1,395)	1:405:A:ALA:HB2	1:452:A:SER:HB2	6	0.37
(1,395)	1:405:A:ALA:HB3	1:452:A:SER:HB2	6	0.37
(1,395)	1:405:A:ALA:HB1	1:452:A:SER:HB2	15	0.37
(1,395)	1:405:A:ALA:HB2	1:452:A:SER:HB2	15	0.37
(1,395)	1:405:A:ALA:HB3	1:452:A:SER:HB2	15	0.37
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	5	0.37
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	15	0.37
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	15	0.37
(1,375)	1:468:A:GLY:H	1:475:A:ARG:HD3	18	0.37
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	5	0.37
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	5	0.37
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	5	0.37
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	8	0.37
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	8	0.37
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	8	0.37
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	9	0.37
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	9	0.37
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	9	0.37
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	19	0.37
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	19	0.37
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	19	0.37
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	4	0.37
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	4	0.37
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	4	0.37
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	8	0.37
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	8	0.37
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	8	0.37
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	16	0.37
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	16	0.37
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	16	0.37
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	1	0.37
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	1	0.37
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	1	0.37
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	18	0.37
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	18	0.37
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	2	0.37
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	2	0.37
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	2	0.37
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	10	0.37
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	10	0.37
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	10	0.37
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	1	0.37
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	1	0.37
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	1	0.37
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	1	0.37
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	1	0.37
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	1	0.37
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	9	0.37
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	9	0.37
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	9	0.37
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	9	0.37
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	9	0.37
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	9	0.37
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	18	0.37
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	4	0.37
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	11	0.37
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	11	0.37
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	20	0.37
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	20	0.37
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	20	0.37
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	20	0.37
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	20	0.37
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	20	0.37
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	1	0.37
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	1	0.37
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	1	0.37
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	2	0.37
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	2	0.37
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	2	0.37
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	3	0.37
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	3	0.37
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	3	0.37
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	7	0.37
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	7	0.37
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	12	0.37
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	12	0.37
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	12	0.37
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	8	0.37
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	8	0.37
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	8	0.37
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	8	0.37
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	8	0.37
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	8	0.37
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	17	0.37
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	17	0.37
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	17	0.37
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	17	0.37
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	17	0.37
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	17	0.37
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	8	0.37
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	8	0.37
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	8	0.37
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	20	0.37
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	20	0.37
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	20	0.37
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	19	0.37
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	19	0.37
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	5	0.37
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	10	0.37
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	10	0.37
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	10	0.37
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	10	0.37
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	10	0.37
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	10	0.37
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	6	0.37
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	6	0.37
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	6	0.37
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	6	0.37
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	6	0.37
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	6	0.37
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	6	0.37
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	6	0.37
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	6	0.37
(1,184)	1:404:A:GLY:HA3	1:456:A:PRO:HB2	14	0.37
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	2	0.37
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	2	0.37
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	18	0.37
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	18	0.37
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	18	0.37
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	4	0.37
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	3	0.37
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	3	0.37
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	3	0.37
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	3	0.37
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	3	0.37
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	3	0.37
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	16	0.37
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	16	0.37
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	16	0.37
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	16	0.37
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	16	0.37
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	16	0.37
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	16	0.37
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	16	0.37
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	16	0.37
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	16	0.37
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	16	0.37
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	16	0.37
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	19	0.37
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	19	0.37
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	19	0.37
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	19	0.37
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	19	0.37
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	19	0.37
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	19	0.37
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	19	0.37
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	19	0.37
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	19	0.37
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	19	0.37
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	19	0.37
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	20	0.37
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	20	0.37
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	20	0.37
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	20	0.37
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	20	0.37
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	20	0.37
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	20	0.37
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	20	0.37
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	14	0.37
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	14	0.37
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	14	0.37
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	14	0.37
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	14	0.37
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	14	0.37
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	14	0.37
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	14	0.37
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	14	0.37
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	14	0.37
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	14	0.37
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	14	0.37
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	14	0.37
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	14	0.37
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	14	0.37
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	14	0.37
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	14	0.37
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	14	0.37
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	14	0.37
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	14	0.37
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	14	0.37
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	14	0.37
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	14	0.37
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	14	0.37
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	14	0.37
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	14	0.37
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	14	0.37
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	14	0.37
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	14	0.37
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	14	0.37
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	14	0.37
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	14	0.37
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	14	0.37
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	14	0.37
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	14	0.37
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	14	0.37
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	17	0.37
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	17	0.37
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	17	0.37
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	17	0.37
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	17	0.37
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD11	20	0.37
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD12	20	0.37
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD13	20	0.37
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD21	20	0.37
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD22	20	0.37
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD23	20	0.37
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	18	0.37
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	18	0.37
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	5	0.37
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	5	0.37
(1,39)	1:409:A:ILE:HG21	1:476:A:LEU:HG	3	0.37
(1,39)	1:409:A:ILE:HG22	1:476:A:LEU:HG	3	0.37
(1,39)	1:409:A:ILE:HG23	1:476:A:LEU:HG	3	0.37
(1,39)	1:409:A:ILE:HG21	1:476:A:LEU:HG	4	0.37
(1,39)	1:409:A:ILE:HG22	1:476:A:LEU:HG	4	0.37
(1,39)	1:409:A:ILE:HG23	1:476:A:LEU:HG	4	0.37
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	11	0.37
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD1	4	0.37
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD2	4	0.37
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG2	2	0.36
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG3	2	0.36
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG2	2	0.36
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG3	2	0.36
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	9	0.36
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	9	0.36
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	9	0.36
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	9	0.36
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	9	0.36
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	9	0.36
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	9	0.36
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	9	0.36
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	9	0.36
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	9	0.36
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	9	0.36
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	9	0.36
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	9	0.36
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	9	0.36
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	12	0.36
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	12	0.36
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD1	19	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD2	19	0.36
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	3	0.36
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	3	0.36
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	3	0.36
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	3	0.36
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	3	0.36
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	3	0.36
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	3	0.36
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	3	0.36
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	3	0.36
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	3	0.36
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	3	0.36
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	3	0.36
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	5	0.36
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	5	0.36
(1,2340)	1:448:A:PHE:HD1	1:449:A:GLY:H	19	0.36
(1,2340)	1:448:A:PHE:HD2	1:449:A:GLY:H	19	0.36
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	16	0.36
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	16	0.36
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	17	0.36
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	17	0.36
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	8	0.36
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	16	0.36
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	19	0.36
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	9	0.36
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	9	0.36
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	9	0.36
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	19	0.36
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	11	0.36
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	11	0.36
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	1	0.36
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	13	0.36
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	13	0.36
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	4	0.36
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	9	0.36
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	9	0.36
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	5	0.36
(1,2178)	1:411:A:HIS:H	1:412:A:LEU:H	16	0.36
(1,2168)	1:455:A:ASN:HD21	1:457:A:VAL:H	17	0.36
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	9	0.36
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	13	0.36
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	7	0.36
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	15	0.36
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	15	0.36
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	3	0.36
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	6	0.36
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	15	0.36
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	5	0.36
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	7	0.36
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	12	0.36
(1,2062)	1:429:A:GLY:HA3	1:430:A:ASN:H	18	0.36
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB2	1	0.36
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB3	1	0.36
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	14	0.36
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	14	0.36
(1,1992)	1:431:A:VAL:HG21	1:452:A:SER:H	18	0.36
(1,1992)	1:431:A:VAL:HG22	1:452:A:SER:H	18	0.36
(1,1992)	1:431:A:VAL:HG23	1:452:A:SER:H	18	0.36
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	18	0.36
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	19	0.36
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	2	0.36
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	5	0.36
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	12	0.36
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	12	0.36
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	3	0.36
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	6	0.36
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	8	0.36
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	13	0.36
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	19	0.36
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	20	0.36
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	7	0.36
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	7	0.36
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	7	0.36
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	3	0.36
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	13	0.36
(1,1936)	1:486:A:ASP:H	1:486:A:ASP:HB2	7	0.36
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	4	0.36
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	8	0.36
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	10	0.36
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	10	0.36
(1,1901)	1:418:A:ASP:H	1:418:A:ASP:HB3	4	0.36
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	13	0.36
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	13	0.36
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	2	0.36
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	15	0.36
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	13	0.36
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	15	0.36
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	15	0.36
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	15	0.36
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	15	0.36
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	15	0.36
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	14	0.36
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	14	0.36
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	18	0.36
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	18	0.36
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	1	0.36
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	5	0.36
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	15	0.36
(1,1836)	1:407:A:LEU:H	1:407:A:LEU:HB3	18	0.36
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	5	0.36
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	5	0.36
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	10	0.36
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	14	0.36
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	19	0.36
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	19	0.36
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	17	0.36
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	7	0.36
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	19	0.36
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	19	0.36
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	19	0.36
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	20	0.36
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	20	0.36
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	3	0.36
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	5	0.36
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	7	0.36
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	11	0.36
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	19	0.36
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	6	0.36
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	4	0.36
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	4	0.36
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	4	0.36
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	18	0.36
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	18	0.36
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	19	0.36
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	3	0.36
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	6	0.36
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	4	0.36
(1,1716)	1:469:A:PHE:HA	1:470:A:GLN:H	20	0.36
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	3	0.36
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	3	0.36
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	15	0.36
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	15	0.36
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	14	0.36
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	14	0.36
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	14	0.36
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	14	0.36
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	7	0.36
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	7	0.36
(1,1703)	1:402:A:PRO:HG2	1:405:A:ALA:HA	7	0.36
(1,1702)	1:402:A:PRO:HG2	1:456:A:PRO:HA	18	0.36
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	1	0.36
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	2	0.36
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	8	0.36
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	8	0.36
(1,1685)	1:402:A:PRO:HG3	1:455:A:ASN:HA	3	0.36
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	13	0.36
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	4	0.36
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	2	0.36
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	2	0.36
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	2	0.36
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	2	0.36
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	14	0.36
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	14	0.36
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	14	0.36
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	14	0.36
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB2	18	0.36
(1,1662)	1:471:A:ILE:HG12	1:476:A:LEU:HB3	18	0.36
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB2	18	0.36
(1,1662)	1:471:A:ILE:HG13	1:476:A:LEU:HB3	18	0.36
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	19	0.36
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	19	0.36
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	6	0.36
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	19	0.36
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	19	0.36
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	18	0.36
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	18	0.36
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	17	0.36
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	10	0.36
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	10	0.36
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	4	0.36
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	18	0.36
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	15	0.36
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	15	0.36
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	15	0.36
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	15	0.36
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	15	0.36
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	15	0.36
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	19	0.36
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	14	0.36
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	14	0.36
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	14	0.36
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	14	0.36
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	14	0.36
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	14	0.36
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	6	0.36
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	6	0.36
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	9	0.36
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	13	0.36
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	16	0.36
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	16	0.36
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	16	0.36
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	20	0.36
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	20	0.36
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	20	0.36
(1,1544)	1:409:A:ILE:HG13	1:421:A:ILE:HG12	16	0.36
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	16	0.36
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	16	0.36
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	3	0.36
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	15	0.36
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	7	0.36
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	7	0.36
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	9	0.36
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	9	0.36
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	11	0.36
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	11	0.36
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	11	0.36
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	13	0.36
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	13	0.36
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	13	0.36
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	13	0.36
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	3	0.36
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	7	0.36
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	3	0.36
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	3	0.36
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	19	0.36
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	15	0.36
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	15	0.36
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	15	0.36
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	15	0.36
(1,1439)	1:418:A:ASP:HB2	1:435:A:LYS:HA	10	0.36
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	1	0.36
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	8	0.36
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	8	0.36
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	18	0.36
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	18	0.36
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	16	0.36
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	5	0.36
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	5	0.36
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	5	0.36
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	8	0.36
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	8	0.36
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	8	0.36
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	9	0.36
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	9	0.36
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	9	0.36
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	17	0.36
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	17	0.36
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	17	0.36
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	5	0.36
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	20	0.36
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	20	0.36
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	20	0.36
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	20	0.36
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	20	0.36
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	20	0.36
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	20	0.36
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	20	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	20	0.36
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	20	0.36
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	20	0.36
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	20	0.36
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	4	0.36
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	15	0.36
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	14	0.36
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	14	0.36
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	14	0.36
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	14	0.36
(1,1309)	1:472:A:GLY:HA3	1:473:A:MET:HG2	20	0.36
(1,1302)	1:472:A:GLY:HA3	1:473:A:MET:HG3	19	0.36
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	4	0.36
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	2	0.36
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	14	0.36
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	7	0.36
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	13	0.36
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	19	0.36
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	17	0.36
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	17	0.36
(1,1242)	1:483:A:SER:HB2	1:484:A:LYS:HB3	5	0.36
(1,1242)	1:483:A:SER:HB3	1:484:A:LYS:HB3	5	0.36
(1,1238)	1:451:A:VAL:HG11	1:452:A:SER:HA	14	0.36
(1,1238)	1:451:A:VAL:HG12	1:452:A:SER:HA	14	0.36
(1,1238)	1:451:A:VAL:HG13	1:452:A:SER:HA	14	0.36
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	16	0.36
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	2	0.36
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	2	0.36
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	4	0.36
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	4	0.36
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	10	0.36
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	10	0.36
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	18	0.36
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	18	0.36
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	17	0.36
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	17	0.36
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	17	0.36
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	17	0.36
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	17	0.36
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	17	0.36
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	8	0.36
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	8	0.36
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	8	0.36
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	6	0.36
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	8	0.36
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	10	0.36
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	5	0.36
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	11	0.36
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG21	7	0.36
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG22	7	0.36
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG23	7	0.36
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG21	7	0.36
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG22	7	0.36
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG23	7	0.36
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD2	4	0.36
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD3	4	0.36
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG2	13	0.36
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG3	13	0.36
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	11	0.36
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	12	0.36
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	18	0.36
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	19	0.36
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	14	0.36
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	18	0.36
(1,1112)	1:423:A:GLN:H	1:423:A:GLN:HG3	4	0.36
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	9	0.36
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	9	0.36
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	10	0.36
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	13	0.36
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	3	0.36
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	3	0.36
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	9	0.36
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	9	0.36
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	11	0.36
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	11	0.36
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	7	0.36
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	7	0.36
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	3	0.36
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	3	0.36
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	14	0.36
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	14	0.36
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	18	0.36
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	15	0.36
(1,1039)	1:441:A:GLN:HA	1:441:A:GLN:HE22	13	0.36
(1,1039)	1:441:A:GLN:HA	1:441:A:GLN:HE22	16	0.36
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	5	0.36
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	5	0.36
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	8	0.36
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	8	0.36
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	18	0.36
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	18	0.36
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	4	0.36
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	4	0.36
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	15	0.36
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	15	0.36
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE1	19	0.36
(1,1022)	1:437:A:PHE:HA	1:437:A:PHE:HE2	19	0.36
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	9	0.36
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	16	0.36
(1,982)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	6	0.36
(1,982)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	6	0.36
(1,982)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	6	0.36
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	18	0.36
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	18	0.36
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	18	0.36
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	19	0.36
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	19	0.36
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	19	0.36
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	5	0.36
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	5	0.36
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	5	0.36
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	3	0.36
(1,966)	1:422:A:LEU:HA	1:422:A:LEU:HG	18	0.36
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	19	0.36
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	19	0.36
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	7	0.36
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	7	0.36
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	7	0.36
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	7	0.36
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	7	0.36
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	7	0.36
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	7	0.36
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	12	0.36
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	1	0.36
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	1	0.36
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	17	0.36
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	19	0.36
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	19	0.36
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	19	0.36
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	1	0.36
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	1	0.36
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	1	0.36
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	13	0.36
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	13	0.36
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD11	16	0.36
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD12	16	0.36
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD13	16	0.36
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	18	0.36
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	18	0.36
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	18	0.36
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	3	0.36
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	3	0.36
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	20	0.36
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	20	0.36
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	20	0.36
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	18	0.36
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	18	0.36
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	18	0.36
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	15	0.36
(1,830)	1:438:A:ILE:HG21	1:443:A:ASN:HB2	14	0.36
(1,830)	1:438:A:ILE:HG22	1:443:A:ASN:HB2	14	0.36
(1,830)	1:438:A:ILE:HG23	1:443:A:ASN:HB2	14	0.36
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	11	0.36
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	7	0.36
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	7	0.36
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	19	0.36
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	19	0.36
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	8	0.36
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	8	0.36
(1,786)	1:485:A:ASN:HB2	1:486:A:ASP:H	12	0.36
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	16	0.36
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	1	0.36
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	1	0.36
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	1	0.36
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	1	0.36
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	1	0.36
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	14	0.36
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	14	0.36
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	14	0.36
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	6	0.36
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	12	0.36
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	15	0.36
(1,721)	1:469:A:PHE:HD1	1:471:A:ILE:HB	16	0.36
(1,721)	1:469:A:PHE:HD2	1:471:A:ILE:HB	16	0.36
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	6	0.36
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	1	0.36
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	1	0.36
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	1	0.36
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	1	0.36
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	1	0.36
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	1	0.36
(1,626)	1:444:A:LEU:HB3	1:445:A:SER:HB3	9	0.36
(1,622)	1:402:A:PRO:HD2	1:454:A:ASP:HB3	19	0.36
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	17	0.36
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	17	0.36
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	17	0.36
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	17	0.36
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	17	0.36
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	17	0.36
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB1	14	0.36
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB2	14	0.36
(1,615)	1:461:A:ALA:H	1:461:A:ALA:HB3	14	0.36
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB2	16	0.36
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB3	16	0.36
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	3	0.36
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	3	0.36
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	3	0.36
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	11	0.36
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	11	0.36
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	11	0.36
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	13	0.36
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	13	0.36
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	13	0.36
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	13	0.36
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	13	0.36
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	13	0.36
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	13	0.36
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	13	0.36
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE1	8	0.36
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE2	8	0.36
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	20	0.36
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	4	0.36
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	4	0.36
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	15	0.36
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	15	0.36
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE2	3	0.36
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE3	3	0.36
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	9	0.36
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	9	0.36
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	9	0.36
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	9	0.36
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	2	0.36
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	2	0.36
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	2	0.36
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	2	0.36
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	2	0.36
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	2	0.36
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	2	0.36
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	2	0.36
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	2	0.36
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	2	0.36
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	2	0.36
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	2	0.36
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	15	0.36
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	15	0.36
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	15	0.36
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	9	0.36
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	9	0.36
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	9	0.36
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	9	0.36
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	9	0.36
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	9	0.36
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	1	0.36
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	1	0.36
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	1	0.36
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	1	0.36
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	2	0.36
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	2	0.36
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	2	0.36
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	10	0.36
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	10	0.36
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	10	0.36
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	10	0.36
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	15	0.36
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	15	0.36
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	15	0.36
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	15	0.36
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD2	4	0.36
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD3	4	0.36
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD2	14	0.36
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD3	14	0.36
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	4	0.36
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	4	0.36
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	6	0.36
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	6	0.36
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	9	0.36
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	9	0.36
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	8	0.36
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	8	0.36
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	14	0.36
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	14	0.36
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	18	0.36
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	18	0.36
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	20	0.36
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	20	0.36
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	12	0.36
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	18	0.36
(1,435)	1:433:A:SER:HB3	1:450:A:PHE:HD1	16	0.36
(1,435)	1:433:A:SER:HB3	1:450:A:PHE:HD2	16	0.36
(1,426)	1:433:A:SER:HB2	1:452:A:SER:HB3	13	0.36
(1,425)	1:433:A:SER:HB2	1:434:A:ALA:HA	13	0.36
(1,424)	1:408:A:PHE:HE1	1:433:A:SER:HB2	6	0.36
(1,424)	1:408:A:PHE:HE2	1:433:A:SER:HB2	6	0.36
(1,424)	1:408:A:PHE:HE1	1:433:A:SER:HB2	12	0.36
(1,424)	1:408:A:PHE:HE2	1:433:A:SER:HB2	12	0.36
(1,424)	1:408:A:PHE:HE1	1:433:A:SER:HB2	18	0.36
(1,424)	1:408:A:PHE:HE2	1:433:A:SER:HB2	18	0.36
(1,417)	1:407:A:LEU:HD11	1:453:A:TYR:HB3	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,417)	1:407:A:LEU:HD12	1:453:A:TYR:HB3	16	0.36
(1,417)	1:407:A:LEU:HD13	1:453:A:TYR:HB3	16	0.36
(1,417)	1:407:A:LEU:HD21	1:453:A:TYR:HB3	16	0.36
(1,417)	1:407:A:LEU:HD22	1:453:A:TYR:HB3	16	0.36
(1,417)	1:407:A:LEU:HD23	1:453:A:TYR:HB3	16	0.36
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	4	0.36
(1,395)	1:405:A:ALA:HB1	1:452:A:SER:HB2	14	0.36
(1,395)	1:405:A:ALA:HB2	1:452:A:SER:HB2	14	0.36
(1,395)	1:405:A:ALA:HB3	1:452:A:SER:HB2	14	0.36
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	18	0.36
(1,375)	1:468:A:GLY:H	1:475:A:ARG:HD3	12	0.36
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	1	0.36
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	1	0.36
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	1	0.36
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	17	0.36
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	17	0.36
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	17	0.36
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	10	0.36
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	10	0.36
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	10	0.36
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	8	0.36
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	8	0.36
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	8	0.36
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	8	0.36
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	8	0.36
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	8	0.36
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	8	0.36
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	8	0.36
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	8	0.36
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	11	0.36
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	11	0.36
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	11	0.36
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	2	0.36
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	2	0.36
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	2	0.36
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	10	0.36
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	10	0.36
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	10	0.36
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	4	0.36
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	4	0.36
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	4	0.36
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	9	0.36
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	9	0.36
(1,319)	1:433:A:SER:HB2	1:450:A:PHE:HB2	10	0.36
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	15	0.36
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	2	0.36
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	2	0.36
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	17	0.36
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	17	0.36
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	10	0.36
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	10	0.36
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	10	0.36
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	8	0.36
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	8	0.36
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	8	0.36
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	19	0.36
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	19	0.36
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	19	0.36
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	5	0.36
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	5	0.36
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	5	0.36
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	3	0.36
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	3	0.36
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	3	0.36
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	3	0.36
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	3	0.36
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	3	0.36
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	13	0.36
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	13	0.36
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	13	0.36
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	9	0.36
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	9	0.36
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	9	0.36
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	9	0.36
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	9	0.36
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	9	0.36
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	1	0.36
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	1	0.36
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	1	0.36
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	1	0.36
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	1	0.36
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	1	0.36
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	6	0.36
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	6	0.36
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	6	0.36
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	6	0.36
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	6	0.36
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	10	0.36
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	10	0.36
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	10	0.36
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	10	0.36
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	10	0.36
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	10	0.36
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	16	0.36
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	16	0.36
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	16	0.36
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	16	0.36
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	16	0.36
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	16	0.36
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	14	0.36
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	14	0.36
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	14	0.36
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	14	0.36
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	14	0.36
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	14	0.36
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	15	0.36
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	15	0.36
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	15	0.36
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	15	0.36
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	15	0.36
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	15	0.36
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	2	0.36
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	2	0.36
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	2	0.36
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	7	0.36
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	7	0.36
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	7	0.36
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	19	0.36
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	19	0.36
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	19	0.36
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	4	0.36
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	4	0.36
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	4	0.36
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	12	0.36
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	12	0.36
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	16	0.36
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	16	0.36
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	16	0.36
(1,176)	1:431:A:VAL:HG11	1:433:A:SER:H	5	0.36
(1,176)	1:431:A:VAL:HG12	1:433:A:SER:H	5	0.36
(1,176)	1:431:A:VAL:HG13	1:433:A:SER:H	5	0.36
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG21	16	0.36
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG22	16	0.36
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG23	16	0.36
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	9	0.36
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	9	0.36
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	9	0.36
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	9	0.36
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	9	0.36
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	9	0.36
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	9	0.36
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	9	0.36
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	9	0.36
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	9	0.36
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	9	0.36
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	9	0.36
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	9	0.36
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	9	0.36
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	9	0.36
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	9	0.36
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	9	0.36
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	9	0.36
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	9	0.36
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	9	0.36
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	9	0.36
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	9	0.36
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	9	0.36
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	9	0.36
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	9	0.36
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	9	0.36
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	9	0.36
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	9	0.36
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	9	0.36
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	9	0.36
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	9	0.36
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	9	0.36
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	9	0.36
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	9	0.36
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	9	0.36
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD11	17	0.36
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD12	17	0.36
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD13	17	0.36
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD21	17	0.36
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD22	17	0.36
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD23	17	0.36
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	9	0.36
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	9	0.36
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	9	0.36
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	9	0.36
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	9	0.36
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	9	0.36
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	18	0.36
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	18	0.36
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	18	0.36
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	18	0.36
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	18	0.36
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	18	0.36
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	6	0.36
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	10	0.36
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	20	0.36
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	15	0.36
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	15	0.36
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	15	0.36
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	15	0.36
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	15	0.36
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	15	0.36
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	19	0.36
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	19	0.36
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	19	0.36
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	19	0.36
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	19	0.36
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	19	0.36
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	13	0.36
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	13	0.36
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	7	0.36
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	9	0.36
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	9	0.36
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	9	0.36
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	9	0.36
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	9	0.36
(1,42)	1:407:A:LEU:HD11	1:460:A:GLN:HA	13	0.36
(1,42)	1:407:A:LEU:HD12	1:460:A:GLN:HA	13	0.36
(1,42)	1:407:A:LEU:HD13	1:460:A:GLN:HA	13	0.36
(1,42)	1:407:A:LEU:HD21	1:460:A:GLN:HA	13	0.36
(1,42)	1:407:A:LEU:HD22	1:460:A:GLN:HA	13	0.36
(1,42)	1:407:A:LEU:HD23	1:460:A:GLN:HA	13	0.36
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	17	0.36
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	2	0.36
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	10	0.36
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	12	0.36
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG2	8	0.35
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG3	8	0.35
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG2	8	0.35
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG3	8	0.35
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	1	0.35
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	1	0.35
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	1	0.35
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	1	0.35
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	1	0.35
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	1	0.35
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	12	0.35
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	12	0.35
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	10	0.35
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	12	0.35
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE1	14	0.35
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE2	14	0.35
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	1	0.35
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	1	0.35
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	6	0.35
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	6	0.35
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	19	0.35
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	19	0.35
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	14	0.35
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	14	0.35
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	2	0.35
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	2	0.35
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	10	0.35
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	11	0.35
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	11	0.35
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	12	0.35
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	12	0.35
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	13	0.35
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	13	0.35
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	1	0.35
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	1	0.35
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	3	0.35
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	3	0.35
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	13	0.35
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	13	0.35
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	13	0.35
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	13	0.35
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	2	0.35
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	20	0.35
(1,2307)	1:401:A:GLY:H	1:406:A:ASN:HD22	18	0.35
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	13	0.35
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	16	0.35
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	17	0.35
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	19	0.35
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	19	0.35
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	19	0.35
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	19	0.35
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	6	0.35
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	13	0.35
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	15	0.35
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	1	0.35
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	17	0.35
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	9	0.35
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	14	0.35
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	5	0.35
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	5	0.35
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	5	0.35
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	8	0.35
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	8	0.35
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	8	0.35
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	8	0.35
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	7	0.35
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	7	0.35
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	7	0.35
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	7	0.35
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	7	0.35
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	4	0.35
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	12	0.35
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	3	0.35
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	6	0.35
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	18	0.35
(1,2145)	1:406:A:ASN:H	1:407:A:LEU:H	13	0.35
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	2	0.35
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	2	0.35
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	3	0.35
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	3	0.35
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	16	0.35
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	16	0.35
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	18	0.35
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	14	0.35
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	16	0.35
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	1	0.35
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	2	0.35
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	11	0.35
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	18	0.35
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	20	0.35
(1,2044)	1:444:A:LEU:H	1:444:A:LEU:HB3	9	0.35
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	5	0.35
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	18	0.35
(1,2011)	1:407:A:LEU:HA	1:408:A:PHE:H	14	0.35
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB2	3	0.35
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB3	3	0.35
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG2	8	0.35
(1,1999)	1:403:A:GLU:H	1:456:A:PRO:HG3	8	0.35
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	5	0.35
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	3	0.35
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	5	0.35
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	7	0.35
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	8	0.35
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	9	0.35
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	11	0.35
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	14	0.35
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	19	0.35
(1,1965)	1:405:A:ALA:H	1:406:A:ASN:HB3	9	0.35
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	9	0.35
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	18	0.35
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	7	0.35
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	7	0.35
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	15	0.35
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	15	0.35
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	15	0.35
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	6	0.35
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	16	0.35
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	20	0.35
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	20	0.35
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	20	0.35
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	10	0.35
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	12	0.35
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	17	0.35
(1,1906)	1:435:A:LYS:HE2	1:438:A:ILE:H	18	0.35
(1,1906)	1:435:A:LYS:HE3	1:438:A:ILE:H	18	0.35
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	19	0.35
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	15	0.35
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	18	0.35
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	19	0.35
(1,1894)	1:461:A:ALA:HB1	1:462:A:ALA:H	3	0.35
(1,1894)	1:461:A:ALA:HB2	1:462:A:ALA:H	3	0.35
(1,1894)	1:461:A:ALA:HB3	1:462:A:ALA:H	3	0.35
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	7	0.35
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	5	0.35
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	5	0.35
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	8	0.35
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	9	0.35
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	19	0.35
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	9	0.35
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	6	0.35
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	6	0.35
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	20	0.35
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	20	0.35
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	9	0.35
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	13	0.35
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	13	0.35
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	13	0.35
(1,1841)	1:480:A:LEU:H	1:481:A:LYS:H	9	0.35
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	7	0.35
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	6	0.35
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	8	0.35
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	10	0.35
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	7	0.35
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	7	0.35
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	15	0.35
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	15	0.35
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	13	0.35
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	18	0.35
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	6	0.35
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	7	0.35
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	5	0.35
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	8	0.35
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	2	0.35
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	3	0.35
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	7	0.35
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	8	0.35
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	16	0.35
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	16	0.35
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	6	0.35
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	9	0.35
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	13	0.35
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	15	0.35
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	16	0.35
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	9	0.35
(1,1772)	1:444:A:LEU:HD11	1:446:A:LYS:H	7	0.35
(1,1772)	1:444:A:LEU:HD12	1:446:A:LYS:H	7	0.35
(1,1772)	1:444:A:LEU:HD13	1:446:A:LYS:H	7	0.35
(1,1772)	1:444:A:LEU:HD21	1:446:A:LYS:H	7	0.35
(1,1772)	1:444:A:LEU:HD22	1:446:A:LYS:H	7	0.35
(1,1772)	1:444:A:LEU:HD23	1:446:A:LYS:H	7	0.35
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	10	0.35
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	3	0.35
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	3	0.35
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	3	0.35
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	4	0.35
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	7	0.35
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	14	0.35
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	18	0.35
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	20	0.35
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	2	0.35
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	18	0.35
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	11	0.35
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	8	0.35
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	11	0.35
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	14	0.35
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	10	0.35
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	15	0.35
(1,1724)	1:430:A:ASN:HA	1:431:A:VAL:H	18	0.35
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	16	0.35
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	16	0.35
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	16	0.35
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	16	0.35
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	19	0.35
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	19	0.35
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	19	0.35
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	19	0.35
(1,1702)	1:402:A:PRO:HG2	1:456:A:PRO:HA	2	0.35
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	9	0.35
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	11	0.35
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	3	0.35
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	3	0.35
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	10	0.35
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	10	0.35
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	8	0.35
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	12	0.35
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	3	0.35
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	3	0.35
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	11	0.35
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	1	0.35
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	5	0.35
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	20	0.35
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	11	0.35
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	20	0.35
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	9	0.35
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	9	0.35
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	13	0.35
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	13	0.35
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	20	0.35
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	20	0.35
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG11	5	0.35
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG12	5	0.35
(1,1595)	1:427:A:PRO:HD2	1:451:A:VAL:HG13	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG11	5	0.35
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG12	5	0.35
(1,1595)	1:427:A:PRO:HD3	1:451:A:VAL:HG13	5	0.35
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	15	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	2	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	2	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	2	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	2	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	2	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	2	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	4	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	4	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	4	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	4	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	4	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	4	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	10	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	10	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	10	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	10	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	10	0.35
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	10	0.35
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	17	0.35
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	17	0.35
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	12	0.35
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	4	0.35
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	4	0.35
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	4	0.35
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	17	0.35
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	17	0.35
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	10	0.35
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	11	0.35
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	4	0.35
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	4	0.35
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	5	0.35
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	5	0.35
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	9	0.35
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	9	0.35
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	9	0.35
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	5	0.35
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	5	0.35
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	5	0.35
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	3	0.35
(1,1490)	1:481:A:LYS:HA	1:481:A:LYS:HD2	19	0.35
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	19	0.35
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	11	0.35
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	16	0.35
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	5	0.35
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	7	0.35
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	9	0.35
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	19	0.35
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB2	16	0.35
(1,1403)	1:468:A:GLY:HA2	1:475:A:ARG:HB3	16	0.35
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	1	0.35
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	1	0.35
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	1	0.35
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	1	0.35
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	1	0.35
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	1	0.35
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	16	0.35
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	16	0.35
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB1	18	0.35
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB2	18	0.35
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB3	18	0.35
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	16	0.35
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	16	0.35
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	16	0.35
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	16	0.35
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG11	3	0.35
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG12	3	0.35
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG13	3	0.35
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG11	3	0.35
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG12	3	0.35
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG13	3	0.35
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG11	19	0.35
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG12	19	0.35
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG13	19	0.35
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG11	19	0.35
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG12	19	0.35
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG13	19	0.35
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	20	0.35
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	19	0.35
(1,1326)	1:411:A:HIS:H	1:448:A:PHE:HA	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	14	0.35
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD2	10	0.35
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD3	10	0.35
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD2	10	0.35
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD3	10	0.35
(1,1309)	1:472:A:GLY:HA3	1:473:A:MET:HG2	1	0.35
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	17	0.35
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	7	0.35
(1,1302)	1:472:A:GLY:HA3	1:473:A:MET:HG3	4	0.35
(1,1283)	1:398:A:GLN:HA	1:398:A:GLN:HG2	15	0.35
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	12	0.35
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	2	0.35
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	2	0.35
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	2	0.35
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	3	0.35
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	10	0.35
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	15	0.35
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	4	0.35
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	6	0.35
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	9	0.35
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	16	0.35
(1,1249)	1:483:A:SER:HA	1:484:A:LYS:HB2	12	0.35
(1,1248)	1:483:A:SER:HB2	1:484:A:LYS:HB2	6	0.35
(1,1248)	1:483:A:SER:HB3	1:484:A:LYS:HB2	6	0.35
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	20	0.35
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	20	0.35
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE1	12	0.35
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE2	12	0.35
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE1	12	0.35
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE2	12	0.35
(1,1226)	1:399:A:LYS:HA	1:400:A:GLU:HG3	1	0.35
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	3	0.35
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	3	0.35
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	5	0.35
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	5	0.35
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	11	0.35
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	11	0.35
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	8	0.35
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	8	0.35
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	12	0.35
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	12	0.35
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	4	0.35
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	14	0.35
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	14	0.35
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	14	0.35
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	14	0.35
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	14	0.35
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	14	0.35
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	4	0.35
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	4	0.35
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	4	0.35
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	4	0.35
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	14	0.35
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	14	0.35
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	14	0.35
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	14	0.35
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	17	0.35
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	17	0.35
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	17	0.35
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	17	0.35
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	18	0.35
(1,1190)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	18	0.35
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	18	0.35
(1,1190)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	18	0.35
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG2	20	0.35
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG3	20	0.35
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	19	0.35
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	4	0.35
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	5	0.35
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	19	0.35
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG21	4	0.35
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG22	4	0.35
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG23	4	0.35
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG21	4	0.35
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG22	4	0.35
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG23	4	0.35
(1,1164)	1:398:A:GLN:HG3	1:399:A:LYS:H	5	0.35
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	8	0.35
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	8	0.35
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD2	3	0.35
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD3	3	0.35
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	7	0.35
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:423:A:GLN:HA	1:423:A:GLN:HG2	10	0.35
(1,1112)	1:423:A:GLN:H	1:423:A:GLN:HG3	17	0.35
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	5	0.35
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	19	0.35
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	11	0.35
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	7	0.35
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	7	0.35
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	1	0.35
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	1	0.35
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	5	0.35
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	5	0.35
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	15	0.35
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	15	0.35
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	5	0.35
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	5	0.35
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	1	0.35
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	1	0.35
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	14	0.35
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	14	0.35
(1,1051)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	12	0.35
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	15	0.35
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	15	0.35
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	2	0.35
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	14	0.35
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	14	0.35
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	5	0.35
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	7	0.35
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	12	0.35
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	12	0.35
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	12	0.35
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	4	0.35
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	4	0.35
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	4	0.35
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	15	0.35
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	9	0.35
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	12	0.35
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	18	0.35
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	11	0.35
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	11	0.35
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	10	0.35
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	10	0.35
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	17	0.35
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	17	0.35
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	17	0.35
(1,921)	1:400:A:GLU:HG3	1:452:A:SER:HB2	5	0.35
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	8	0.35
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	8	0.35
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	8	0.35
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	3	0.35
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	3	0.35
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	6	0.35
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	6	0.35
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	6	0.35
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	2	0.35
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	2	0.35
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	16	0.35
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	16	0.35
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	17	0.35
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	17	0.35
(1,867)	1:430:A:ASN:HB2	1:431:A:VAL:H	19	0.35
(1,867)	1:430:A:ASN:HB3	1:431:A:VAL:H	19	0.35
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	11	0.35
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	4	0.35
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	4	0.35
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	4	0.35
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD11	17	0.35
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD12	17	0.35
(1,853)	1:412:A:LEU:HA	1:471:A:ILE:HD13	17	0.35
(1,851)	1:399:A:LYS:HD2	1:432:A:ILE:HB	5	0.35
(1,851)	1:399:A:LYS:HD3	1:432:A:ILE:HB	5	0.35
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	14	0.35
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	14	0.35
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	14	0.35
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	13	0.35
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD11	15	0.35
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD12	15	0.35
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD13	15	0.35
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD21	15	0.35
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD22	15	0.35
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD23	15	0.35
(1,830)	1:438:A:ILE:HG21	1:443:A:ASN:HB2	13	0.35
(1,830)	1:438:A:ILE:HG22	1:443:A:ASN:HB2	13	0.35
(1,830)	1:438:A:ILE:HG23	1:443:A:ASN:HB2	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	1	0.35
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	3	0.35
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	6	0.35
(1,824)	1:467:A:ASN:HB3	1:478:A:VAL:HA	18	0.35
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	2	0.35
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	4	0.35
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	4	0.35
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	11	0.35
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	11	0.35
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	11	0.35
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	11	0.35
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	11	0.35
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	11	0.35
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	11	0.35
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	11	0.35
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	11	0.35
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	6	0.35
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	6	0.35
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	6	0.35
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	15	0.35
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	3	0.35
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	19	0.35
(1,719)	1:414:A:GLN:HB3	1:471:A:ILE:HB	12	0.35
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	6	0.35
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	6	0.35
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	6	0.35
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	6	0.35
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	6	0.35
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	6	0.35
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	7	0.35
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	7	0.35
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	7	0.35
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	7	0.35
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	7	0.35
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	7	0.35
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	14	0.35
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	14	0.35
(1,625)	1:466:A:MET:HG2	1:469:A:PHE:HB2	14	0.35
(1,625)	1:466:A:MET:HG3	1:469:A:PHE:HB2	14	0.35
(1,622)	1:402:A:PRO:HD2	1:454:A:ASP:HB3	8	0.35
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	15	0.35
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	7	0.35
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	3	0.35
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	3	0.35
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	17	0.35
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	17	0.35
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB1	10	0.35
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB2	10	0.35
(1,577)	1:406:A:ASN:H	1:459:A:ALA:HB3	10	0.35
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	20	0.35
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	20	0.35
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	20	0.35
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	12	0.35
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	12	0.35
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	13	0.35
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	13	0.35
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	10	0.35
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	10	0.35
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	10	0.35
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	2	0.35
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	2	0.35
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	2	0.35
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	2	0.35
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	2	0.35
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	2	0.35
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	7	0.35
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	7	0.35
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	7	0.35
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	7	0.35
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	7	0.35
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	7	0.35
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	14	0.35
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	14	0.35
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	14	0.35
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	5	0.35
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	5	0.35
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	5	0.35
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	5	0.35
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	13	0.35
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	13	0.35
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	13	0.35
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	13	0.35
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	14	0.35
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	14	0.35
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	14	0.35
(1,467)	1:412:A:LEU:HB3	1:449:A:GLY:HA3	16	0.35
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD2	11	0.35
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD3	11	0.35
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG21	4	0.35
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG22	4	0.35
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG23	4	0.35
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	1	0.35
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	1	0.35
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	2	0.35
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	2	0.35
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	9	0.35
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	9	0.35
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	12	0.35
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	12	0.35
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	14	0.35
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	1	0.35
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	1	0.35
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	6	0.35
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	18	0.35
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	3	0.35
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	3	0.35
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	16	0.35
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	19	0.35
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	11	0.35
(1,404)	1:468:A:GLY:HA3	1:475:A:ARG:HD3	5	0.35
(1,386)	1:417:A:GLY:HA3	1:419:A:GLN:H	9	0.35
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	17	0.35
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	4	0.35
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	4	0.35
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	4	0.35
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	11	0.35
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	11	0.35
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	11	0.35
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	20	0.35
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	20	0.35
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	20	0.35
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	9	0.35
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	9	0.35
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	16	0.35
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	16	0.35
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	16	0.35
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	11	0.35
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	11	0.35
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	11	0.35
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	6	0.35
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	6	0.35
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	6	0.35
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	17	0.35
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	17	0.35
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	17	0.35
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	13	0.35
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	13	0.35
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	13	0.35
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	20	0.35
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	20	0.35
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	20	0.35
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	15	0.35
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	15	0.35
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	15	0.35
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	2	0.35
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	2	0.35
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	2	0.35
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	2	0.35
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	2	0.35
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	2	0.35
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	6	0.35
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	6	0.35
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	6	0.35
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	6	0.35
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	6	0.35
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	6	0.35
(1,319)	1:433:A:SER:HB2	1:450:A:PHE:HB2	8	0.35
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	6	0.35
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	1	0.35
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	13	0.35
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	19	0.35
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	4	0.35
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	4	0.35
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	4	0.35
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	19	0.35
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	19	0.35
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	20	0.35
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	20	0.35
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	20	0.35
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	7	0.35
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	7	0.35
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	7	0.35
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	19	0.35
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	19	0.35
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	19	0.35
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	20	0.35
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	20	0.35
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	20	0.35
(1,267)	1:465:A:ALA:HB1	1:466:A:MET:HA	5	0.35
(1,267)	1:465:A:ALA:HB2	1:466:A:MET:HA	5	0.35
(1,267)	1:465:A:ALA:HB3	1:466:A:MET:HA	5	0.35
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	9	0.35
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	9	0.35
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	9	0.35
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	10	0.35
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	10	0.35
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	10	0.35
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	19	0.35
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	19	0.35
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	19	0.35
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	12	0.35
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	12	0.35
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	12	0.35
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	12	0.35
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	12	0.35
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	12	0.35
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	14	0.35
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	14	0.35
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	14	0.35
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	14	0.35
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	14	0.35
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	14	0.35
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	9	0.35
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	9	0.35
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	9	0.35
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	2	0.35
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	2	0.35
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	3	0.35
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	3	0.35
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	3	0.35
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	7	0.35
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	7	0.35
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	7	0.35
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	9	0.35
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	9	0.35
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	9	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	1	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	1	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	1	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	1	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	1	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	1	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	5	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	5	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	5	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	5	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	5	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	5	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	11	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	11	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	11	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	11	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	11	0.35
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	11	0.35
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	7	0.35
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	7	0.35
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	7	0.35
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	7	0.35
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	7	0.35
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	7	0.35
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	16	0.35
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	16	0.35
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	16	0.35
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	16	0.35
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	16	0.35
(1,207)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	16	0.35
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	2	0.35
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	2	0.35
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	2	0.35
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	2	0.35
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	2	0.35
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	3	0.35
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	3	0.35
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	3	0.35
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	3	0.35
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	3	0.35
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	3	0.35
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	4	0.35
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	4	0.35
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	4	0.35
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	4	0.35
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	4	0.35
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	4	0.35
(1,200)	1:404:A:GLY:HA2	1:456:A:PRO:HB3	2	0.35
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	15	0.35
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	15	0.35
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	15	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	3	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	3	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	3	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	10	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	10	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	10	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	14	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	14	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	14	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	15	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	15	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	15	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	19	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	19	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	19	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	20	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	20	0.35
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	20	0.35
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	9	0.35
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	9	0.35
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG11	12	0.35
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG12	12	0.35
(1,168)	1:422:A:LEU:HG	1:431:A:VAL:HG13	12	0.35
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	7	0.35
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	2	0.35
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	2	0.35
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	2	0.35
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	8	0.35
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	8	0.35
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	8	0.35
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	8	0.35
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	8	0.35
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	8	0.35
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	8	0.35
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	8	0.35
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	8	0.35
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	8	0.35
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	8	0.35
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	8	0.35
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	18	0.35
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	18	0.35
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	18	0.35
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	18	0.35
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	18	0.35
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	18	0.35
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	1	0.35
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	1	0.35
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	1	0.35
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	1	0.35
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	1	0.35
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	1	0.35
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	1	0.35
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	1	0.35
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	1	0.35
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	1	0.35
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	1	0.35
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	1	0.35
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	1	0.35
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	1	0.35
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	1	0.35
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	1	0.35
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	1	0.35
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	1	0.35
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	1	0.35
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	1	0.35
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	1	0.35
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	1	0.35
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	1	0.35
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	1	0.35
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	1	0.35
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	1	0.35
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	1	0.35
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	1	0.35
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	1	0.35
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	1	0.35
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	1	0.35
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	1	0.35
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	1	0.35
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	1	0.35
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	1	0.35
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD11	4	0.35
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD12	4	0.35
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD13	4	0.35
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD21	4	0.35
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD22	4	0.35
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD23	4	0.35
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD11	16	0.35
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD12	16	0.35
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD13	16	0.35
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD21	16	0.35
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD22	16	0.35
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD23	16	0.35
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	14	0.35
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	14	0.35
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	14	0.35
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	14	0.35
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	14	0.35
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	14	0.35
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	6	0.35
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	6	0.35
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	6	0.35
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	6	0.35
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	6	0.35
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	1	0.35
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	12	0.35
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	14	0.35
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	5	0.35
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	5	0.35
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	5	0.35
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	5	0.35
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	5	0.35
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	5	0.35
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	5	0.35
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	5	0.35
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	5	0.35
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	5	0.35
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	5	0.35
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	5	0.35
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	5	0.35
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	5	0.35
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	5	0.35
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	5	0.35
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	5	0.35
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	5	0.35
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	15	0.35
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	15	0.35
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	15	0.35
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	15	0.35
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	15	0.35
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	15	0.35
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	15	0.35
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	15	0.35
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	15	0.35
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	15	0.35
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	15	0.35
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	15	0.35
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	15	0.35
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	15	0.35
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	15	0.35
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	15	0.35
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	15	0.35
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	15	0.35
(1,50)	1:407:A:LEU:HD11	1:408:A:PHE:H	16	0.35
(1,50)	1:407:A:LEU:HD12	1:408:A:PHE:H	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:407:A:LEU:HD13	1:408:A:PHE:H	16	0.35
(1,50)	1:407:A:LEU:HD21	1:408:A:PHE:H	16	0.35
(1,50)	1:407:A:LEU:HD22	1:408:A:PHE:H	16	0.35
(1,50)	1:407:A:LEU:HD23	1:408:A:PHE:H	16	0.35
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	19	0.35
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	19	0.35
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	19	0.35
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	19	0.35
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	19	0.35
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	19	0.35
(1,41)	1:407:A:LEU:HD11	1:452:A:SER:H	13	0.35
(1,41)	1:407:A:LEU:HD12	1:452:A:SER:H	13	0.35
(1,41)	1:407:A:LEU:HD13	1:452:A:SER:H	13	0.35
(1,41)	1:407:A:LEU:HD21	1:452:A:SER:H	13	0.35
(1,41)	1:407:A:LEU:HD22	1:452:A:SER:H	13	0.35
(1,41)	1:407:A:LEU:HD23	1:452:A:SER:H	13	0.35
(1,39)	1:409:A:ILE:HG21	1:476:A:LEU:HG	5	0.35
(1,39)	1:409:A:ILE:HG22	1:476:A:LEU:HG	5	0.35
(1,39)	1:409:A:ILE:HG23	1:476:A:LEU:HG	5	0.35
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	4	0.35
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	18	0.35
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	12	0.35
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	17	0.35
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	4	0.35
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	4	0.35
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	4	0.35
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	13	0.35
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD1	6	0.35
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD2	6	0.35
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD1	17	0.35
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD2	17	0.35
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD1	20	0.35
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD2	20	0.35
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	18	0.34
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	18	0.34
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	18	0.34
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	18	0.34
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	18	0.34
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	18	0.34
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	4	0.34
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	4	0.34
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	4	0.34
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	4	0.34
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	4	0.34
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG2	7	0.34
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG3	7	0.34
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG2	7	0.34
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG3	7	0.34
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	8	0.34
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	8	0.34
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	8	0.34
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	8	0.34
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	8	0.34
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	8	0.34
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD1	10	0.34
(1,2363)	1:453:A:TYR:HA	1:453:A:TYR:HD2	10	0.34
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	1	0.34
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	1	0.34
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	6	0.34
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	6	0.34
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	14	0.34
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	14	0.34
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	18	0.34
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	18	0.34
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	9	0.34
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	10	0.34
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	19	0.34
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	13	0.34
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	13	0.34
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	13	0.34
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	12	0.34
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	20	0.34
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	14	0.34
(1,2273)	1:459:A:ALA:H	1:460:A:GLN:HE22	17	0.34
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	15	0.34
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	15	0.34
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	2	0.34
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	2	0.34
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	6	0.34
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	6	0.34
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	12	0.34
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	12	0.34
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	15	0.34
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	18	0.34
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	18	0.34
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	9	0.34
(1,2246)	1:445:A:SER:HB2	1:479:A:GLN:HE21	6	0.34
(1,2237)	1:404:A:GLY:H	1:406:A:ASN:HD21	8	0.34
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	3	0.34
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	7	0.34
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	4	0.34
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	14	0.34
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	19	0.34
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	3	0.34
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	3	0.34
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	17	0.34
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	17	0.34
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	14	0.34
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	2	0.34
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	20	0.34
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	13	0.34
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	18	0.34
(1,2132)	1:447:A:CYS:H	1:448:A:PHE:H	6	0.34
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	2	0.34
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	17	0.34
(1,2111)	1:418:A:ASP:HB3	1:419:A:GLN:H	4	0.34
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	4	0.34
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	4	0.34
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB2	6	0.34
(1,2095)	1:464:A:GLN:H	1:464:A:GLN:HB3	6	0.34
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	20	0.34
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	11	0.34
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	9	0.34
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	12	0.34
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	5	0.34
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	10	0.34
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	10	0.34
(1,2067)	1:471:A:ILE:HA	1:472:A:GLY:H	14	0.34
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	16	0.34
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	11	0.34
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	17	0.34
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	17	0.34
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	10	0.34
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	7	0.34
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	11	0.34
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	16	0.34
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	6	0.34
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	6	0.34
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	20	0.34
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	20	0.34
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	20	0.34
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	3	0.34
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	10	0.34
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	12	0.34
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	15	0.34
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	18	0.34
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	18	0.34
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	18	0.34
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	11	0.34
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	7	0.34
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	12	0.34
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	15	0.34
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	14	0.34
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	4	0.34
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	10	0.34
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	10	0.34
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	10	0.34
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	3	0.34
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	8	0.34
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	5	0.34
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	19	0.34
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	10	0.34
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	9	0.34
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	7	0.34
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	8	0.34
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	16	0.34
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	20	0.34
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	8	0.34
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	7	0.34
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	5	0.34
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	10	0.34
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	11	0.34
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	11	0.34
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	18	0.34
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG2	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1847)	1:484:A:LYS:H	1:484:A:LYS:HG3	6	0.34
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	3	0.34
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	3	0.34
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	14	0.34
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	1	0.34
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	2	0.34
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	6	0.34
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	6	0.34
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	7	0.34
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	14	0.34
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	19	0.34
(1,1815)	1:469:A:PHE:H	1:476:A:LEU:HA	6	0.34
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	18	0.34
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	2	0.34
(1,1794)	1:407:A:LEU:HD11	1:479:A:GLN:H	18	0.34
(1,1794)	1:407:A:LEU:HD12	1:479:A:GLN:H	18	0.34
(1,1794)	1:407:A:LEU:HD13	1:479:A:GLN:H	18	0.34
(1,1794)	1:407:A:LEU:HD21	1:479:A:GLN:H	18	0.34
(1,1794)	1:407:A:LEU:HD22	1:479:A:GLN:H	18	0.34
(1,1794)	1:407:A:LEU:HD23	1:479:A:GLN:H	18	0.34
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	2	0.34
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	17	0.34
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	4	0.34
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	12	0.34
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	19	0.34
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	6	0.34
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	2	0.34
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	6	0.34
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	6	0.34
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	9	0.34
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	14	0.34
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	4	0.34
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	1	0.34
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	6	0.34
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	8	0.34
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	11	0.34
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	12	0.34
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	8	0.34
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	13	0.34
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	15	0.34
(1,1746)	1:477:A:LYS:HA	1:478:A:VAL:H	16	0.34
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	12	0.34
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	18	0.34
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	15	0.34
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	15	0.34
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	15	0.34
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	17	0.34
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	17	0.34
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	3	0.34
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	3	0.34
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	3	0.34
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	3	0.34
(1,1702)	1:402:A:PRO:HG2	1:456:A:PRO:HA	7	0.34
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	7	0.34
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	4	0.34
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	4	0.34
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	9	0.34
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	9	0.34
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	4	0.34
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	12	0.34
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG12	16	0.34
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG13	16	0.34
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	8	0.34
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG2	11	0.34
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG3	11	0.34
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG2	9	0.34
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG3	9	0.34
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG2	9	0.34
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG3	9	0.34
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	5	0.34
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	8	0.34
(1,1630)	1:405:A:ALA:HA	1:452:A:SER:HA	2	0.34
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	16	0.34
(1,1618)	1:412:A:LEU:H	1:413:A:PRO:HG3	4	0.34
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	19	0.34
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	19	0.34
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	11	0.34
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD1	1	0.34
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD2	1	0.34
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD1	1	0.34
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD2	1	0.34
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	19	0.34
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	19	0.34
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	20	0.34
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	2	0.34
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	2	0.34
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	7	0.34
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	7	0.34
(1,1554)	1:415:A:GLU:H	1:415:A:GLU:HB2	4	0.34
(1,1554)	1:415:A:GLU:H	1:415:A:GLU:HB2	12	0.34
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	16	0.34
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	6	0.34
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	2	0.34
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	2	0.34
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	2	0.34
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	13	0.34
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	13	0.34
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	13	0.34
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	13	0.34
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	13	0.34
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	18	0.34
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	18	0.34
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	18	0.34
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	18	0.34
(1,1534)	1:440:A:LYS:HD2	1:441:A:GLN:HG2	8	0.34
(1,1534)	1:440:A:LYS:HD3	1:441:A:GLN:HG2	8	0.34
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	11	0.34
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	6	0.34
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	9	0.34
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	9	0.34
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	7	0.34
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	8	0.34
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	4	0.34
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	5	0.34
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	5	0.34
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	5	0.34
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	5	0.34
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	11	0.34
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	11	0.34
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	11	0.34
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	11	0.34
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	15	0.34
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	19	0.34
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	17	0.34
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	17	0.34
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	1	0.34
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	6	0.34
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	19	0.34
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	20	0.34
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	1	0.34
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	17	0.34
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	19	0.34
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	20	0.34
(1,1373)	1:458:A:SER:HB2	1:459:A:ALA:HA	8	0.34
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	7	0.34
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	7	0.34
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	11	0.34
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	11	0.34
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB1	2	0.34
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB2	2	0.34
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB3	2	0.34
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	3	0.34
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	3	0.34
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	3	0.34
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	3	0.34
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	19	0.34
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	19	0.34
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	19	0.34
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	19	0.34
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	9	0.34
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	2	0.34
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	2	0.34
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	2	0.34
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	7	0.34
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	18	0.34
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	4	0.34
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	4	0.34
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	4	0.34
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	4	0.34
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	14	0.34
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	1	0.34
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	20	0.34
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	14	0.34
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	6	0.34
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	16	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	2	0.34
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	8	0.34
(1,1255)	1:476:A:LEU:HA	1:477:A:LYS:HA	18	0.34
(1,1240)	1:469:A:PHE:HD1	1:470:A:GLN:HA	4	0.34
(1,1240)	1:469:A:PHE:HD2	1:470:A:GLN:HA	4	0.34
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	8	0.34
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	8	0.34
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	8	0.34
(1,1226)	1:399:A:LYS:HA	1:400:A:GLU:HG3	3	0.34
(1,1226)	1:399:A:LYS:HA	1:400:A:GLU:HG3	4	0.34
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	8	0.34
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	8	0.34
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	3	0.34
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	3	0.34
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	7	0.34
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	7	0.34
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD11	11	0.34
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD12	11	0.34
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD13	11	0.34
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD21	11	0.34
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD22	11	0.34
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD23	11	0.34
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD11	11	0.34
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD12	11	0.34
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD13	11	0.34
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD21	11	0.34
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD22	11	0.34
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD23	11	0.34
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG2	3	0.34
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG3	3	0.34
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG2	17	0.34
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG3	17	0.34
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	16	0.34
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	5	0.34
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	9	0.34
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	1	0.34
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	2	0.34
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	3	0.34
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	7	0.34
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	9	0.34
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG21	17	0.34
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG22	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG23	17	0.34
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG21	17	0.34
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG22	17	0.34
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG23	17	0.34
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG21	18	0.34
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG22	18	0.34
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG23	18	0.34
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG21	18	0.34
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG22	18	0.34
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG23	18	0.34
(1,1168)	1:398:A:GLN:H	1:398:A:GLN:HG2	2	0.34
(1,1168)	1:398:A:GLN:H	1:398:A:GLN:HG2	6	0.34
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD2	10	0.34
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD3	10	0.34
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	2	0.34
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	15	0.34
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	8	0.34
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	8	0.34
(1,1113)	1:423:A:GLN:HA	1:423:A:GLN:HG2	13	0.34
(1,1112)	1:423:A:GLN:H	1:423:A:GLN:HG3	6	0.34
(1,1112)	1:423:A:GLN:H	1:423:A:GLN:HG3	11	0.34
(1,1091)	1:414:A:GLN:HA	1:415:A:GLU:HA	12	0.34
(1,1077)	1:441:A:GLN:HA	1:441:A:GLN:HG3	7	0.34
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	1	0.34
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	9	0.34
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	9	0.34
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	10	0.34
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	10	0.34
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	17	0.34
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	17	0.34
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB2	2	0.34
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB3	2	0.34
(1,1058)	1:486:A:ASP:HB2	1:487:A:SER:HA	20	0.34
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	8	0.34
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	8	0.34
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	7	0.34
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	7	0.34
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	1	0.34
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	1	0.34
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	5	0.34
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	2	0.34
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	3	0.34
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	3	0.34
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	3	0.34
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD1	5	0.34
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD2	5	0.34
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD1	12	0.34
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD2	12	0.34
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD1	17	0.34
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD2	17	0.34
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	2	0.34
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	2	0.34
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	2	0.34
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	2	0.34
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	5	0.34
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	5	0.34
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	5	0.34
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	5	0.34
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	11	0.34
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	11	0.34
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	11	0.34
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	11	0.34
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	8	0.34
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	8	0.34
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	11	0.34
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	11	0.34
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	20	0.34
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	20	0.34
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	18	0.34
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	18	0.34
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	10	0.34
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	10	0.34
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	10	0.34
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	10	0.34
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	10	0.34
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	10	0.34
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	1	0.34
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	1	0.34
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	2	0.34
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	2	0.34
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	2	0.34
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	6	0.34
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	6	0.34
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	5	0.34
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	5	0.34
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	5	0.34
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	5	0.34
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	5	0.34
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	5	0.34
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	13	0.34
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	13	0.34
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	13	0.34
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	18	0.34
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	18	0.34
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	18	0.34
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	11	0.34
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	7	0.34
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	11	0.34
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	11	0.34
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	7	0.34
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	7	0.34
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	13	0.34
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	13	0.34
(1,789)	1:485:A:ASN:HB3	1:486:A:ASP:H	11	0.34
(1,786)	1:485:A:ASN:HB2	1:486:A:ASP:H	10	0.34
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	1	0.34
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	1	0.34
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	1	0.34
(1,778)	1:409:A:ILE:HD11	1:421:A:ILE:HG12	6	0.34
(1,778)	1:409:A:ILE:HD12	1:421:A:ILE:HG12	6	0.34
(1,778)	1:409:A:ILE:HD13	1:421:A:ILE:HG12	6	0.34
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	9	0.34
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	9	0.34
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	9	0.34
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	17	0.34
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD2	4	0.34
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD3	4	0.34
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	14	0.34
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	14	0.34
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	14	0.34
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	17	0.34
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	17	0.34
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	17	0.34
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	19	0.34
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	19	0.34
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	12	0.34
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	12	0.34
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	12	0.34
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	12	0.34
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	12	0.34
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	12	0.34
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	13	0.34
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	13	0.34
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	13	0.34
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	13	0.34
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	13	0.34
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	13	0.34
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	14	0.34
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	14	0.34
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	14	0.34
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	14	0.34
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	14	0.34
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	14	0.34
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	17	0.34
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	17	0.34
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	17	0.34
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	17	0.34
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	17	0.34
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	17	0.34
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	4	0.34
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	10	0.34
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	12	0.34
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	12	0.34
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	12	0.34
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	17	0.34
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	17	0.34
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	17	0.34
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB2	1	0.34
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB3	1	0.34
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB2	14	0.34
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB3	14	0.34
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	8	0.34
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	15	0.34
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	15	0.34
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	1	0.34
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	16	0.34
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE1	7	0.34
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE2	7	0.34
(1,536)	1:455:A:ASN:HB3	1:456:A:PRO:HD2	14	0.34
(1,527)	1:419:A:GLN:HG2	1:422:A:LEU:HB2	7	0.34
(1,527)	1:419:A:GLN:HG3	1:422:A:LEU:HB2	7	0.34
(1,525)	1:402:A:PRO:HG3	1:456:A:PRO:HA	17	0.34
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	14	0.34
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	12	0.34
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	12	0.34
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	12	0.34
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	12	0.34
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD2	17	0.34
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD3	17	0.34
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	3	0.34
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	3	0.34
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	10	0.34
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	17	0.34
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	1	0.34
(1,437)	1:433:A:SER:HB3	1:452:A:SER:H	14	0.34
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	11	0.34
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	11	0.34
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	11	0.34
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	11	0.34
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	11	0.34
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	14	0.34
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	14	0.34
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	14	0.34
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	6	0.34
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	18	0.34
(1,404)	1:468:A:GLY:HA3	1:475:A:ARG:HD3	8	0.34
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	3	0.34
(1,384)	1:475:A:ARG:H	1:475:A:ARG:HD2	19	0.34
(1,358)	1:409:A:ILE:HG21	1:410:A:TYR:H	8	0.34
(1,358)	1:409:A:ILE:HG22	1:410:A:TYR:H	8	0.34
(1,358)	1:409:A:ILE:HG23	1:410:A:TYR:H	8	0.34
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	16	0.34
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	16	0.34
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	16	0.34
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	16	0.34
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	16	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	16	0.34
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	16	0.34
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	16	0.34
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	16	0.34
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	20	0.34
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	20	0.34
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	20	0.34
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	11	0.34
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	11	0.34
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	11	0.34
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	15	0.34
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	15	0.34
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	15	0.34
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	7	0.34
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	7	0.34
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	7	0.34
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	10	0.34
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	2	0.34
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	20	0.34
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	6	0.34
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	6	0.34
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	6	0.34
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	7	0.34
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	7	0.34
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	7	0.34
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	15	0.34
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	15	0.34
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	15	0.34
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	4	0.34
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	4	0.34
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	4	0.34
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	15	0.34
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	15	0.34
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	15	0.34
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	15	0.34
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	15	0.34
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	15	0.34
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	1	0.34
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	1	0.34
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	1	0.34
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	1	0.34
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	1	0.34
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	10	0.34
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	10	0.34
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	10	0.34
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	10	0.34
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	10	0.34
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	10	0.34
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	8	0.34
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	8	0.34
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	8	0.34
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	14	0.34
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	14	0.34
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	14	0.34
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	13	0.34
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	13	0.34
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	13	0.34
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	4	0.34
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	4	0.34
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	17	0.34
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	17	0.34
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	20	0.34
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	20	0.34
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	12	0.34
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	12	0.34
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	12	0.34
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	12	0.34
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	12	0.34
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	12	0.34
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	19	0.34
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	19	0.34
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	19	0.34
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	19	0.34
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	19	0.34
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	19	0.34
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	17	0.34
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	17	0.34
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	17	0.34
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	17	0.34
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	17	0.34
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	17	0.34
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	7	0.34
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	7	0.34
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	7	0.34
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	7	0.34
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	7	0.34
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	16	0.34
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	16	0.34
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	16	0.34
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	16	0.34
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	16	0.34
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	16	0.34
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	20	0.34
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	20	0.34
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	20	0.34
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	20	0.34
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	20	0.34
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	20	0.34
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	5	0.34
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	5	0.34
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	5	0.34
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	6	0.34
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	6	0.34
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	6	0.34
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	12	0.34
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	12	0.34
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	12	0.34
(1,186)	1:436:A:VAL:HG21	1:450:A:PHE:H	10	0.34
(1,186)	1:436:A:VAL:HG22	1:450:A:PHE:H	10	0.34
(1,186)	1:436:A:VAL:HG23	1:450:A:PHE:H	10	0.34
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	9	0.34
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	9	0.34
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	9	0.34
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	2	0.34
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	2	0.34
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	2	0.34
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	2	0.34
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	2	0.34
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	2	0.34
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	2	0.34
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	2	0.34
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	2	0.34
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	2	0.34
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	2	0.34
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	13	0.34
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	13	0.34
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	13	0.34
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	13	0.34
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	13	0.34
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	13	0.34
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	13	0.34
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	13	0.34
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	13	0.34
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	13	0.34
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	13	0.34
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	13	0.34
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	13	0.34
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	13	0.34
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	13	0.34
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	13	0.34
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	13	0.34
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	13	0.34
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	13	0.34
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	13	0.34
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	13	0.34
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	13	0.34
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	13	0.34
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	13	0.34
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	13	0.34
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	13	0.34
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	13	0.34
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	13	0.34
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	13	0.34
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	13	0.34
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	13	0.34
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	13	0.34
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	13	0.34
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	13	0.34
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	13	0.34
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	13	0.34
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	8	0.34
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	8	0.34
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	8	0.34
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	8	0.34
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	8	0.34
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	16	0.34
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	16	0.34
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	16	0.34
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	16	0.34
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	16	0.34
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	16	0.34
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	19	0.34
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	19	0.34
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	19	0.34
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	19	0.34
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	19	0.34
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	19	0.34
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	14	0.34
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	19	0.34
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	7	0.34
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	7	0.34
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	7	0.34
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	7	0.34
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	7	0.34
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	7	0.34
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	5	0.34
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	5	0.34
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	1	0.34
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	1	0.34
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	8	0.34
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	8	0.34
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD11	9	0.34
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD12	9	0.34
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD13	9	0.34
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD21	9	0.34
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD22	9	0.34
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD23	9	0.34
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	17	0.34
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	14	0.34
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	7	0.34
(1,10)	1:407:A:LEU:H	1:407:A:LEU:HG	4	0.34
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE1	18	0.33
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE2	18	0.33
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE1	18	0.33
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE2	18	0.33
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	11	0.33
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	11	0.33
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	11	0.33
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	11	0.33
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	11	0.33
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	2	0.33
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	2	0.33
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	2	0.33
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	2	0.33
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	2	0.33
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	2	0.33
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	2	0.33
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	2	0.33
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	2	0.33
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	2	0.33
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	2	0.33
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	2	0.33
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	6	0.33
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	6	0.33
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	15	0.33
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	15	0.33
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	15	0.33
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	15	0.33
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	8	0.33
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	8	0.33
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	9	0.33
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	9	0.33
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD1	16	0.33
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD2	16	0.33
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD1	16	0.33
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD2	16	0.33
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD1	16	0.33
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD2	16	0.33
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD1	16	0.33
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD2	16	0.33
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD1	16	0.33
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD2	16	0.33
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD1	16	0.33
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD2	16	0.33
(1,2346)	1:409:A:ILE:HG21	1:448:A:PHE:HD1	8	0.33
(1,2346)	1:409:A:ILE:HG21	1:448:A:PHE:HD2	8	0.33
(1,2346)	1:409:A:ILE:HG22	1:448:A:PHE:HD1	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2346)	1:409:A:ILE:HG22	1:448:A:PHE:HD2	8	0.33
(1,2346)	1:409:A:ILE:HG23	1:448:A:PHE:HD1	8	0.33
(1,2346)	1:409:A:ILE:HG23	1:448:A:PHE:HD2	8	0.33
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD1	6	0.33
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD2	6	0.33
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	18	0.33
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	18	0.33
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	1	0.33
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	7	0.33
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	11	0.33
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	12	0.33
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	12	0.33
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	4	0.33
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	4	0.33
(1,2289)	1:456:A:PRO:HB2	1:460:A:GLN:HE21	17	0.33
(1,2285)	1:463:A:ILE:HG21	1:464:A:GLN:HE21	4	0.33
(1,2285)	1:463:A:ILE:HG22	1:464:A:GLN:HE21	4	0.33
(1,2285)	1:463:A:ILE:HG23	1:464:A:GLN:HE21	4	0.33
(1,2273)	1:459:A:ALA:H	1:460:A:GLN:HE22	9	0.33
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB2	9	0.33
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB3	9	0.33
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	14	0.33
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	5	0.33
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	11	0.33
(1,2241)	1:445:A:SER:HB2	1:479:A:GLN:HE22	16	0.33
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	5	0.33
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	15	0.33
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	11	0.33
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	11	0.33
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	8	0.33
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	8	0.33
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	8	0.33
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	8	0.33
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	8	0.33
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	8	0.33
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	15	0.33
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	13	0.33
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	13	0.33
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	13	0.33
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	13	0.33
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	13	0.33
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	16	0.33
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	18	0.33
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	17	0.33
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	17	0.33
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	7	0.33
(1,2111)	1:418:A:ASP:HB3	1:419:A:GLN:H	12	0.33
(1,2097)	1:463:A:ILE:HD11	1:464:A:GLN:H	1	0.33
(1,2097)	1:463:A:ILE:HD12	1:464:A:GLN:H	1	0.33
(1,2097)	1:463:A:ILE:HD13	1:464:A:GLN:H	1	0.33
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	8	0.33
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	2	0.33
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	4	0.33
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	17	0.33
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	15	0.33
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	20	0.33
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	20	0.33
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	6	0.33
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	2	0.33
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	3	0.33
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	12	0.33
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	11	0.33
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	14	0.33
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	15	0.33
(1,1974)	1:411:A:HIS:HB3	1:475:A:ARG:H	16	0.33
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	12	0.33
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	17	0.33
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	14	0.33
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	14	0.33
(1,1960)	1:436:A:VAL:HA	1:450:A:PHE:H	13	0.33
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	17	0.33
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	12	0.33
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	10	0.33
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	6	0.33
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	6	0.33
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	6	0.33
(1,1938)	1:408:A:PHE:HA	1:409:A:ILE:H	16	0.33
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	10	0.33
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	10	0.33
(1,1927)	1:434:A:ALA:HA	1:435:A:LYS:H	14	0.33
(1,1914)	1:399:A:LYS:HB2	1:400:A:GLU:H	10	0.33
(1,1914)	1:399:A:LYS:HB3	1:400:A:GLU:H	10	0.33
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	5	0.33
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	13	0.33
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	7	0.33
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	9	0.33
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	20	0.33
(1,1901)	1:418:A:ASP:H	1:418:A:ASP:HB3	11	0.33
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	3	0.33
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	14	0.33
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	1	0.33
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	1	0.33
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	2	0.33
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	2	0.33
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	10	0.33
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	10	0.33
(1,1867)	1:418:A:ASP:HB2	1:436:A:VAL:H	10	0.33
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	1	0.33
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	17	0.33
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	17	0.33
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	19	0.33
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	19	0.33
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	2	0.33
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	17	0.33
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	17	0.33
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	8	0.33
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	16	0.33
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	8	0.33
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	15	0.33
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	16	0.33
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	17	0.33
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	17	0.33
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	1	0.33
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	6	0.33
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	12	0.33
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	20	0.33
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	6	0.33
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	11	0.33
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	6	0.33
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	5	0.33
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	16	0.33
(1,1782)	1:481:A:LYS:H	1:481:A:LYS:HB3	15	0.33
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	14	0.33
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	18	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	13	0.33
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	13	0.33
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	14	0.33
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	14	0.33
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	2	0.33
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	15	0.33
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	16	0.33
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	2	0.33
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	3	0.33
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	15	0.33
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	1	0.33
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	5	0.33
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	15	0.33
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	16	0.33
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	20	0.33
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	18	0.33
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	19	0.33
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	5	0.33
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	5	0.33
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	16	0.33
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	16	0.33
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	15	0.33
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	15	0.33
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	17	0.33
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	17	0.33
(1,1683)	1:482:A:ARG:H	1:482:A:ARG:HG2	6	0.33
(1,1683)	1:482:A:ARG:H	1:482:A:ARG:HG3	6	0.33
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	7	0.33
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	8	0.33
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	12	0.33
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	5	0.33
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	17	0.33
(1,1633)	1:405:A:ALA:HA	1:406:A:ASN:HD22	9	0.33
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	2	0.33
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	2	0.33
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	6	0.33
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	6	0.33
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	9	0.33
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	9	0.33
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	11	0.33
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	11	0.33
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	12	0.33
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	15	0.33
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	11	0.33
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	11	0.33
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	11	0.33
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	11	0.33
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	11	0.33
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	11	0.33
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	17	0.33
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	17	0.33
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	8	0.33
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	8	0.33
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	5	0.33
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	8	0.33
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	8	0.33
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	8	0.33
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	20	0.33
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	20	0.33
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	20	0.33
(1,1572)	1:409:A:ILE:HG12	1:449:A:GLY:H	14	0.33
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	3	0.33
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	3	0.33
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE1	4	0.33
(1,1565)	1:409:A:ILE:HG13	1:425:A:PHE:HE2	4	0.33
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	17	0.33
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	7	0.33
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	15	0.33
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	8	0.33
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	8	0.33
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	8	0.33
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	12	0.33
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	12	0.33
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	12	0.33
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	12	0.33
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	12	0.33
(1,1534)	1:440:A:LYS:HD2	1:441:A:GLN:HG2	2	0.33
(1,1534)	1:440:A:LYS:HD3	1:441:A:GLN:HG2	2	0.33
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	8	0.33
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	20	0.33
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	14	0.33
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	14	0.33
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1483)	1:481:A:LYS:H	1:481:A:LYS:HD2	10	0.33
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	2	0.33
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	10	0.33
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	17	0.33
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	10	0.33
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	11	0.33
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	12	0.33
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	13	0.33
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	20	0.33
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	20	0.33
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	19	0.33
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	19	0.33
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	19	0.33
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	2	0.33
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	2	0.33
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	2	0.33
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	2	0.33
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	2	0.33
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	2	0.33
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	2	0.33
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	2	0.33
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	2	0.33
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	2	0.33
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	2	0.33
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	2	0.33
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	17	0.33
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	17	0.33
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	17	0.33
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	17	0.33
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD1	18	0.33
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD2	18	0.33
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD1	18	0.33
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD2	18	0.33
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	4	0.33
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	4	0.33
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	4	0.33
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	4	0.33
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	4	0.33
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	4	0.33
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	11	0.33
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	11	0.33
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	11	0.33
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	11	0.33
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	11	0.33
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG2	20	0.33
(1,1350)	1:424:A:MET:HA	1:424:A:MET:HG3	20	0.33
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	1	0.33
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	1	0.33
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	1	0.33
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	1	0.33
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	4	0.33
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	11	0.33
(1,1303)	1:473:A:MET:H	1:473:A:MET:HG3	5	0.33
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	14	0.33
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	17	0.33
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD2	6	0.33
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD3	6	0.33
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	19	0.33
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	19	0.33
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	2	0.33
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	16	0.33
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	13	0.33
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	18	0.33
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	4	0.33
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	2	0.33
(1,1236)	1:405:A:ALA:HB1	1:452:A:SER:HA	1	0.33
(1,1236)	1:405:A:ALA:HB2	1:452:A:SER:HA	1	0.33
(1,1236)	1:405:A:ALA:HB3	1:452:A:SER:HA	1	0.33
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	4	0.33
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	4	0.33
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	4	0.33
(1,1226)	1:399:A:LYS:HA	1:400:A:GLU:HG3	17	0.33
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	3	0.33
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	3	0.33
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	18	0.33
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	18	0.33
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	18	0.33
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	18	0.33
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	9	0.33
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	9	0.33
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	17	0.33
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	17	0.33
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD11	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD12	16	0.33
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD13	16	0.33
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD21	16	0.33
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD22	16	0.33
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD23	16	0.33
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD11	16	0.33
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD12	16	0.33
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD13	16	0.33
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD21	16	0.33
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD22	16	0.33
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD23	16	0.33
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD11	20	0.33
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD12	20	0.33
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD13	20	0.33
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD21	20	0.33
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD22	20	0.33
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD23	20	0.33
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD11	20	0.33
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD12	20	0.33
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD13	20	0.33
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD21	20	0.33
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD22	20	0.33
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD23	20	0.33
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	3	0.33
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	3	0.33
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG2	18	0.33
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG3	18	0.33
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	3	0.33
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	16	0.33
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD2	13	0.33
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD3	13	0.33
(1,1141)	1:407:A:LEU:HA	1:408:A:PHE:HA	9	0.33
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	7	0.33
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	7	0.33
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	1	0.33
(1,1123)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	7	0.33
(1,1123)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	7	0.33
(1,1123)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	8	0.33
(1,1123)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	8	0.33
(1,1123)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	16	0.33
(1,1123)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	16	0.33
(1,1112)	1:423:A:GLN:H	1:423:A:GLN:HG3	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	1	0.33
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	8	0.33
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	11	0.33
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	18	0.33
(1,1085)	1:440:A:LYS:HG2	1:441:A:GLN:HG3	16	0.33
(1,1085)	1:440:A:LYS:HG3	1:441:A:GLN:HG3	16	0.33
(1,1084)	1:441:A:GLN:H	1:441:A:GLN:HG3	15	0.33
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	13	0.33
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	13	0.33
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	13	0.33
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	2	0.33
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	2	0.33
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	14	0.33
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	14	0.33
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	20	0.33
(1,1039)	1:441:A:GLN:HA	1:441:A:GLN:HE22	19	0.33
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	1	0.33
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	1	0.33
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	19	0.33
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	19	0.33
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	12	0.33
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	18	0.33
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	15	0.33
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	1	0.33
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	1	0.33
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	1	0.33
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	6	0.33
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	6	0.33
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	6	0.33
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	8	0.33
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	8	0.33
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	8	0.33
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	11	0.33
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	11	0.33
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	11	0.33
(1,960)	1:409:A:ILE:HA	1:410:A:TYR:HB2	2	0.33
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	4	0.33
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	4	0.33
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	14	0.33
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	14	0.33
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	16	0.33
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	7	0.33
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	4	0.33
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	4	0.33
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	4	0.33
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	4	0.33
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	6	0.33
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	6	0.33
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	6	0.33
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	6	0.33
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	10	0.33
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	10	0.33
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	13	0.33
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	13	0.33
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	9	0.33
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	9	0.33
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	9	0.33
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	12	0.33
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	12	0.33
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	12	0.33
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	9	0.33
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	9	0.33
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	9	0.33
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	10	0.33
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	10	0.33
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	10	0.33
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	3	0.33
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	3	0.33
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	3	0.33
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	17	0.33
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	17	0.33
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	17	0.33
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	3	0.33
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	3	0.33
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	3	0.33
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD11	8	0.33
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD12	8	0.33
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD13	8	0.33
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD21	8	0.33
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD22	8	0.33
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD23	8	0.33
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD11	10	0.33
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD12	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD13	10	0.33
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD21	10	0.33
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD22	10	0.33
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD23	10	0.33
(1,827)	1:407:A:LEU:HD11	1:478:A:VAL:HA	18	0.33
(1,827)	1:407:A:LEU:HD12	1:478:A:VAL:HA	18	0.33
(1,827)	1:407:A:LEU:HD13	1:478:A:VAL:HA	18	0.33
(1,827)	1:407:A:LEU:HD21	1:478:A:VAL:HA	18	0.33
(1,827)	1:407:A:LEU:HD22	1:478:A:VAL:HA	18	0.33
(1,827)	1:407:A:LEU:HD23	1:478:A:VAL:HA	18	0.33
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	13	0.33
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	15	0.33
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG11	18	0.33
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG12	18	0.33
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG13	18	0.33
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	5	0.33
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	5	0.33
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	5	0.33
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	5	0.33
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	5	0.33
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	5	0.33
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	5	0.33
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	5	0.33
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	5	0.33
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	5	0.33
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	5	0.33
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	5	0.33
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	5	0.33
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	5	0.33
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	5	0.33
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	11	0.33
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	11	0.33
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	11	0.33
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	11	0.33
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	11	0.33
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	11	0.33
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	20	0.33
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	20	0.33
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	20	0.33
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	20	0.33
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	20	0.33
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	5	0.33
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	5	0.33
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	5	0.33
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	5	0.33
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	13	0.33
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	1	0.33
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	1	0.33
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	1	0.33
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	1	0.33
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	1	0.33
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	1	0.33
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	18	0.33
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	18	0.33
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	18	0.33
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	18	0.33
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	18	0.33
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	18	0.33
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	19	0.33
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	19	0.33
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	19	0.33
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	13	0.33
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	13	0.33
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	13	0.33
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	16	0.33
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	16	0.33
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	16	0.33
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	15	0.33
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	15	0.33
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	15	0.33
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	15	0.33
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	15	0.33
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	15	0.33
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	19	0.33
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	19	0.33
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	19	0.33
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	19	0.33
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	19	0.33
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	19	0.33
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	11	0.33
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	19	0.33
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	7	0.33
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	4	0.33
(1,622)	1:402:A:PRO:HD2	1:454:A:ASP:HB3	2	0.33
(1,622)	1:402:A:PRO:HD2	1:454:A:ASP:HB3	18	0.33
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	19	0.33
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	19	0.33
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	19	0.33
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB2	15	0.33
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB3	15	0.33
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	4	0.33
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	16	0.33
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	16	0.33
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	6	0.33
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	6	0.33
(1,572)	1:469:A:PHE:HB2	1:476:A:LEU:HA	12	0.33
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	3	0.33
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	3	0.33
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	3	0.33
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	3	0.33
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	3	0.33
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	3	0.33
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	3	0.33
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	3	0.33
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	3	0.33
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	5	0.33
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	5	0.33
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	5	0.33
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	13	0.33
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	13	0.33
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	13	0.33
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	16	0.33
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	16	0.33
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	16	0.33
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	7	0.33
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE1	14	0.33
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE2	14	0.33
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	12	0.33
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE2	19	0.33
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE3	19	0.33
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	16	0.33
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	16	0.33
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	16	0.33
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	16	0.33
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	16	0.33
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	16	0.33
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	16	0.33
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	16	0.33
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	16	0.33
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	16	0.33
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	16	0.33
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	10	0.33
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	10	0.33
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	11	0.33
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	11	0.33
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	17	0.33
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	17	0.33
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	18	0.33
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	18	0.33
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	8	0.33
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	8	0.33
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	8	0.33
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	9	0.33
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	9	0.33
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	9	0.33
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	9	0.33
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	1	0.33
(1,465)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	1	0.33
(1,459)	1:427:A:PRO:HA	1:429:A:GLY:H	3	0.33
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	11	0.33
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	13	0.33
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	3	0.33
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	6	0.33
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	6	0.33
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	3	0.33
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	8	0.33
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB2	3	0.33
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB3	3	0.33
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB2	3	0.33
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB3	3	0.33
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB2	3	0.33
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB3	3	0.33
(1,408)	1:470:A:GLN:HE22	1:475:A:ARG:HD2	16	0.33
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	14	0.33
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,368)	1:432:A:ILE:HB	1:452:A:SER:HB2	5	0.33
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	10	0.33
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	10	0.33
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	10	0.33
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	15	0.33
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	14	0.33
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	14	0.33
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	14	0.33
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	11	0.33
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	11	0.33
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	11	0.33
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	19	0.33
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	19	0.33
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	19	0.33
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	20	0.33
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	20	0.33
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	20	0.33
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	1	0.33
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	1	0.33
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	1	0.33
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	3	0.33
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	3	0.33
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	3	0.33
(1,319)	1:433:A:SER:HB2	1:450:A:PHE:HB2	2	0.33
(1,319)	1:433:A:SER:HB2	1:450:A:PHE:HB2	5	0.33
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	4	0.33
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	12	0.33
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	3	0.33
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	3	0.33
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	19	0.33
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	19	0.33
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	19	0.33
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	11	0.33
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	11	0.33
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	11	0.33
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	3	0.33
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	3	0.33
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	3	0.33
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	7	0.33
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	7	0.33
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	7	0.33
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	17	0.33
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	17	0.33
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	7	0.33
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	7	0.33
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	7	0.33
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	7	0.33
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	7	0.33
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	7	0.33
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	18	0.33
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	18	0.33
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	18	0.33
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	18	0.33
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	18	0.33
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	18	0.33
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	16	0.33
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	16	0.33
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	16	0.33
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	19	0.33
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	19	0.33
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	19	0.33
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	2	0.33
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	2	0.33
(1,221)	1:429:A:GLY:HA3	1:458:A:SER:HB3	16	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	4	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	4	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	4	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	4	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	4	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	4	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	7	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	7	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	7	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	7	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	7	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	7	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	10	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	10	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	10	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	10	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	10	0.33
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	10	0.33
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	1	0.33
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	1	0.33
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	1	0.33
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	1	0.33
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	1	0.33
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	12	0.33
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	12	0.33
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	12	0.33
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	12	0.33
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	12	0.33
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	12	0.33
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	1	0.33
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	1	0.33
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	1	0.33
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	9	0.33
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	9	0.33
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	9	0.33
(1,184)	1:404:A:GLY:HA3	1:456:A:PRO:HB2	9	0.33
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	7	0.33
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	7	0.33
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	7	0.33
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	10	0.33
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	10	0.33
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	10	0.33
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	10	0.33
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	10	0.33
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	10	0.33
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	3	0.33
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	3	0.33
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	3	0.33
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	3	0.33
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	3	0.33
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	3	0.33
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	17	0.33
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	17	0.33
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	17	0.33
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	17	0.33
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	17	0.33
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	17	0.33
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	2	0.33
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	3	0.33
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	16	0.33
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	2	0.33
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	2	0.33
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	2	0.33
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	2	0.33
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	2	0.33
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	2	0.33
(1,85)	1:480:A:LEU:HD11	1:481:A:LYS:H	5	0.33
(1,85)	1:480:A:LEU:HD12	1:481:A:LYS:H	5	0.33
(1,85)	1:480:A:LEU:HD13	1:481:A:LYS:H	5	0.33
(1,85)	1:480:A:LEU:HD21	1:481:A:LYS:H	5	0.33
(1,85)	1:480:A:LEU:HD22	1:481:A:LYS:H	5	0.33
(1,85)	1:480:A:LEU:HD23	1:481:A:LYS:H	5	0.33
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	16	0.33
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	16	0.33
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	12	0.33
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	12	0.33
(1,60)	1:480:A:LEU:HG	1:481:A:LYS:H	12	0.33
(1,60)	1:480:A:LEU:HG	1:481:A:LYS:H	15	0.33
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	18	0.33
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	18	0.33
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	18	0.33
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	18	0.33
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	18	0.33
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	18	0.33
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	18	0.33
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	18	0.33
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	18	0.33
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	18	0.33
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	18	0.33
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	18	0.33
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	18	0.33
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	18	0.33
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	18	0.33
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	18	0.33
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	18	0.33
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	18	0.33
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	12	0.33
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	12	0.33
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	12	0.33
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	12	0.33
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	12	0.33
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	14	0.33
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	6	0.33
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	8	0.32
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	8	0.32
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	8	0.32
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	8	0.32
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	8	0.32
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	8	0.32
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	10	0.32
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	10	0.32
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	10	0.32
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	10	0.32
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	10	0.32
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	10	0.32
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	11	0.32
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	11	0.32
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	11	0.32
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	11	0.32
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	11	0.32
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	11	0.32
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE1	18	0.32
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE2	18	0.32
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE1	20	0.32
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE2	20	0.32
(1,2409)	1:408:A:PHE:HE1	1:452:A:SER:H	9	0.32
(1,2409)	1:408:A:PHE:HE2	1:452:A:SER:H	9	0.32
(1,2393)	1:428:A:PHE:HE1	1:462:A:ALA:HA	18	0.32
(1,2393)	1:428:A:PHE:HE2	1:462:A:ALA:HA	18	0.32
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	1	0.32
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	1	0.32
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	1	0.32
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	1	0.32
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	1	0.32
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	1	0.32
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	1	0.32
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	1	0.32
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	1	0.32
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	1	0.32
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	1	0.32
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	1	0.32
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	2	0.32
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	3	0.32
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	3	0.32
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	5	0.32
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	5	0.32
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	7	0.32
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	7	0.32
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	14	0.32
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	14	0.32
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	20	0.32
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	20	0.32
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	3	0.32
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	3	0.32
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	16	0.32
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	16	0.32
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD1	11	0.32
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD2	11	0.32
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	7	0.32
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	7	0.32
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	15	0.32
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	15	0.32
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	17	0.32
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	17	0.32
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB2	13	0.32
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB3	13	0.32
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB2	13	0.32
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB3	13	0.32
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	15	0.32
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	17	0.32
(1,2314)	1:428:A:PHE:H	1:428:A:PHE:HB2	3	0.32
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	2	0.32
(1,2272)	1:438:A:ILE:HG21	1:443:A:ASN:HD21	1	0.32
(1,2272)	1:438:A:ILE:HG22	1:443:A:ASN:HD21	1	0.32
(1,2272)	1:438:A:ILE:HG23	1:443:A:ASN:HD21	1	0.32
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	1	0.32
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	1	0.32
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	4	0.32
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	4	0.32
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	7	0.32
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	7	0.32
(1,2248)	1:444:A:LEU:HB2	1:479:A:GLN:HE21	4	0.32
(1,2248)	1:444:A:LEU:HB2	1:479:A:GLN:HE21	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2246)	1:445:A:SER:HB2	1:479:A:GLN:HE21	3	0.32
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	16	0.32
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	7	0.32
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	16	0.32
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	6	0.32
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	10	0.32
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	13	0.32
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	13	0.32
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	13	0.32
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	4	0.32
(1,2147)	1:406:A:ASN:H	1:406:A:ASN:HD22	9	0.32
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	18	0.32
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	18	0.32
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	3	0.32
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	15	0.32
(1,2105)	1:420:A:ASP:HB3	1:421:A:ILE:H	6	0.32
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	1	0.32
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	1	0.32
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	6	0.32
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	8	0.32
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	11	0.32
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	17	0.32
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	20	0.32
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	1	0.32
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	9	0.32
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	19	0.32
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	20	0.32
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	4	0.32
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	18	0.32
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	20	0.32
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	1	0.32
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	8	0.32
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	2	0.32
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	2	0.32
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	2	0.32
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	8	0.32
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	8	0.32
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	12	0.32
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	12	0.32
(1,2025)	1:468:A:GLY:H	1:478:A:VAL:H	20	0.32
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	19	0.32
(1,2009)	1:466:A:MET:HB2	1:467:A:ASN:H	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2009)	1:466:A:MET:HB3	1:467:A:ASN:H	18	0.32
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	17	0.32
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	13	0.32
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	3	0.32
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	15	0.32
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	5	0.32
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	5	0.32
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	11	0.32
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	17	0.32
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	19	0.32
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	19	0.32
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	19	0.32
(1,1922)	1:452:A:SER:HB3	1:453:A:TYR:H	3	0.32
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	13	0.32
(1,1911)	1:400:A:GLU:H	1:433:A:SER:HB3	1	0.32
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	11	0.32
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	4	0.32
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	5	0.32
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	18	0.32
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	1	0.32
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	2	0.32
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	16	0.32
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	1	0.32
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	9	0.32
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	14	0.32
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	2	0.32
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	3	0.32
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	3	0.32
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	12	0.32
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	12	0.32
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	20	0.32
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	20	0.32
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	18	0.32
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	18	0.32
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	11	0.32
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	1	0.32
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	5	0.32
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	5	0.32
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	2	0.32
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	2	0.32
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	8	0.32
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	9	0.32
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	9	0.32
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	4	0.32
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG21	4	0.32
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG22	4	0.32
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG23	4	0.32
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	17	0.32
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	13	0.32
(1,1794)	1:407:A:LEU:HD11	1:479:A:GLN:H	4	0.32
(1,1794)	1:407:A:LEU:HD12	1:479:A:GLN:H	4	0.32
(1,1794)	1:407:A:LEU:HD13	1:479:A:GLN:H	4	0.32
(1,1794)	1:407:A:LEU:HD21	1:479:A:GLN:H	4	0.32
(1,1794)	1:407:A:LEU:HD22	1:479:A:GLN:H	4	0.32
(1,1794)	1:407:A:LEU:HD23	1:479:A:GLN:H	4	0.32
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	10	0.32
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	20	0.32
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	5	0.32
(1,1782)	1:481:A:LYS:H	1:481:A:LYS:HB3	3	0.32
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	1	0.32
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	1	0.32
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	13	0.32
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	13	0.32
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	17	0.32
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	17	0.32
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	12	0.32
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	14	0.32
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	3	0.32
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	3	0.32
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	11	0.32
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	11	0.32
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	5	0.32
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	7	0.32
(1,1756)	1:438:A:ILE:HG21	1:439:A:ASP:H	14	0.32
(1,1756)	1:438:A:ILE:HG22	1:439:A:ASP:H	14	0.32
(1,1756)	1:438:A:ILE:HG23	1:439:A:ASP:H	14	0.32
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	10	0.32
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	12	0.32
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	5	0.32
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	7	0.32
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	19	0.32
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	8	0.32
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	7	0.32
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	7	0.32
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	7	0.32
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	7	0.32
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD2	17	0.32
(1,1709)	1:413:A:PRO:HD2	1:474:A:LYS:HD3	17	0.32
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD2	17	0.32
(1,1709)	1:413:A:PRO:HD3	1:474:A:LYS:HD3	17	0.32
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	2	0.32
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	2	0.32
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	11	0.32
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	11	0.32
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	17	0.32
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	17	0.32
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	15	0.32
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	17	0.32
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	17	0.32
(1,1689)	1:432:A:ILE:HG12	1:452:A:SER:HB3	19	0.32
(1,1689)	1:432:A:ILE:HG13	1:452:A:SER:HB3	19	0.32
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	5	0.32
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	8	0.32
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	15	0.32
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	15	0.32
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	15	0.32
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	18	0.32
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	18	0.32
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	11	0.32
(1,1629)	1:405:A:ALA:HA	1:455:A:ASN:HA	12	0.32
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	15	0.32
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	3	0.32
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	5	0.32
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	14	0.32
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	14	0.32
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	1	0.32
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	8	0.32
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	11	0.32
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	11	0.32
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	11	0.32
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	15	0.32
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	15	0.32
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	15	0.32
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	17	0.32
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	17	0.32
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	17	0.32
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	17	0.32
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	17	0.32
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	17	0.32
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	9	0.32
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	9	0.32
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	11	0.32
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	5	0.32
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	2	0.32
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	2	0.32
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	20	0.32
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	20	0.32
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	1	0.32
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	1	0.32
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	1	0.32
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	1	0.32
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	4	0.32
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	4	0.32
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	4	0.32
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	4	0.32
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	5	0.32
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	12	0.32
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	12	0.32
(1,1518)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	19	0.32
(1,1518)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	19	0.32
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	6	0.32
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	6	0.32
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	6	0.32
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	18	0.32
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	18	0.32
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	18	0.32
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	18	0.32
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	2	0.32
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	17	0.32
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	17	0.32
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	17	0.32
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	12	0.32
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	20	0.32
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	4	0.32
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	4	0.32
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	8	0.32
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	1	0.32
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	1	0.32
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	1	0.32
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	1	0.32
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	1	0.32
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	3	0.32
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	14	0.32
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	6	0.32
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	6	0.32
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB2	6	0.32
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB3	6	0.32
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	3	0.32
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	10	0.32
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	12	0.32
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	14	0.32
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	6	0.32
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	11	0.32
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	12	0.32
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	12	0.32
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	19	0.32
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	19	0.32
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	5	0.32
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	8	0.32
(1,1391)	1:405:A:ALA:HA	1:459:A:ALA:HA	7	0.32
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	12	0.32
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	12	0.32
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	12	0.32
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	6	0.32
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	1	0.32
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	1	0.32
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	1	0.32
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	1	0.32
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	1	0.32
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	1	0.32
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	7	0.32
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	7	0.32
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	7	0.32
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	7	0.32
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	7	0.32
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	15	0.32
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	15	0.32
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	15	0.32
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	15	0.32
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	15	0.32
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	15	0.32
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	5	0.32
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	5	0.32
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	2	0.32
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	2	0.32
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	2	0.32
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	2	0.32
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	11	0.32
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	11	0.32
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	11	0.32
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	11	0.32
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	17	0.32
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	17	0.32
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	19	0.32
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	19	0.32
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG21	19	0.32
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG22	19	0.32
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG23	19	0.32
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG21	19	0.32
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG22	19	0.32
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG23	19	0.32
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	12	0.32
(1,1327)	1:412:A:LEU:HB3	1:448:A:PHE:HA	15	0.32
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	10	0.32
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	17	0.32
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	17	0.32
(1,1302)	1:472:A:GLY:HA3	1:473:A:MET:HG3	13	0.32
(1,1302)	1:472:A:GLY:HA3	1:473:A:MET:HG3	16	0.32
(1,1293)	1:472:A:GLY:HA2	1:473:A:MET:HA	6	0.32
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	17	0.32
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	7	0.32
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	7	0.32
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	12	0.32
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	12	0.32
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	10	0.32
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	20	0.32
(1,1264)	1:405:A:ALA:HB1	1:456:A:PRO:HB3	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:405:A:ALA:HB2	1:456:A:PRO:HB3	13	0.32
(1,1264)	1:405:A:ALA:HB3	1:456:A:PRO:HB3	13	0.32
(1,1264)	1:405:A:ALA:HB1	1:456:A:PRO:HB3	15	0.32
(1,1264)	1:405:A:ALA:HB2	1:456:A:PRO:HB3	15	0.32
(1,1264)	1:405:A:ALA:HB3	1:456:A:PRO:HB3	15	0.32
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	9	0.32
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE1	6	0.32
(1,1243)	1:446:A:LYS:HB2	1:448:A:PHE:HE2	6	0.32
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE1	6	0.32
(1,1243)	1:446:A:LYS:HB3	1:448:A:PHE:HE2	6	0.32
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	13	0.32
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	15	0.32
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	9	0.32
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	9	0.32
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	16	0.32
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	16	0.32
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	20	0.32
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	20	0.32
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	1	0.32
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	1	0.32
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	7	0.32
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	7	0.32
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG2	9	0.32
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG3	9	0.32
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG2	9	0.32
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG3	9	0.32
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG2	14	0.32
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG3	14	0.32
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	1	0.32
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	10	0.32
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	2	0.32
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	2	0.32
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	20	0.32
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	2	0.32
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	2	0.32
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	2	0.32
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	11	0.32
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	11	0.32
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	11	0.32
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	14	0.32
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	14	0.32
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	20	0.32
(1,1094)	1:415:A:GLU:HA	1:415:A:GLU:HG2	4	0.32
(1,1094)	1:415:A:GLU:HA	1:415:A:GLU:HG3	4	0.32
(1,1077)	1:441:A:GLN:HA	1:441:A:GLN:HG3	15	0.32
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	9	0.32
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	15	0.32
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	15	0.32
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	4	0.32
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	4	0.32
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	4	0.32
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	4	0.32
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	17	0.32
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	17	0.32
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	17	0.32
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	17	0.32
(1,1039)	1:441:A:GLN:HA	1:441:A:GLN:HE22	5	0.32
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	10	0.32
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	10	0.32
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	8	0.32
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	7	0.32
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	12	0.32
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	19	0.32
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	4	0.32
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	4	0.32
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	4	0.32
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	5	0.32
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	5	0.32
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	5	0.32
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	12	0.32
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	12	0.32
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	12	0.32
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	17	0.32
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	17	0.32
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	17	0.32
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	10	0.32
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	10	0.32
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	10	0.32
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD11	8	0.32
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD12	8	0.32
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD13	8	0.32
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD11	8	0.32
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD12	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD13	8	0.32
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	9	0.32
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	9	0.32
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	9	0.32
(1,960)	1:409:A:ILE:HA	1:410:A:TYR:HB2	8	0.32
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	3	0.32
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	3	0.32
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	6	0.32
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	6	0.32
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	18	0.32
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	18	0.32
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	15	0.32
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	7	0.32
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	7	0.32
(1,931)	1:399:A:LYS:HA	1:400:A:GLU:HG2	5	0.32
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	19	0.32
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	19	0.32
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	6	0.32
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	6	0.32
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	6	0.32
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	6	0.32
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	12	0.32
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	12	0.32
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	12	0.32
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	5	0.32
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	5	0.32
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	5	0.32
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	11	0.32
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	11	0.32
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	11	0.32
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	13	0.32
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	13	0.32
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	13	0.32
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD1	4	0.32
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD2	4	0.32
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD1	4	0.32
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD2	4	0.32
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD1	4	0.32
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD2	4	0.32
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	11	0.32
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	11	0.32
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	8	0.32
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	8	0.32
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	8	0.32
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	3	0.32
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	3	0.32
(1,873)	1:451:A:VAL:HA	1:452:A:SER:HB3	5	0.32
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	16	0.32
(1,851)	1:399:A:LYS:HD2	1:432:A:ILE:HB	12	0.32
(1,851)	1:399:A:LYS:HD3	1:432:A:ILE:HB	12	0.32
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	7	0.32
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	7	0.32
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	7	0.32
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	7	0.32
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	7	0.32
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	7	0.32
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	16	0.32
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	16	0.32
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	16	0.32
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	16	0.32
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	16	0.32
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	16	0.32
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	12	0.32
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	12	0.32
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	12	0.32
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	14	0.32
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	6	0.32
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	12	0.32
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	3	0.32
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	3	0.32
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	3	0.32
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	12	0.32
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	14	0.32
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	14	0.32
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	14	0.32
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	14	0.32
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	14	0.32
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	14	0.32
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	14	0.32
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	14	0.32
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	14	0.32
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	18	0.32
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	18	0.32
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	10	0.32
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	10	0.32
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	10	0.32
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	4	0.32
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	1	0.32
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD2	10	0.32
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD3	10	0.32
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	5	0.32
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	5	0.32
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	5	0.32
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	5	0.32
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	5	0.32
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	5	0.32
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	7	0.32
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	7	0.32
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	7	0.32
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	15	0.32
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	15	0.32
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	15	0.32
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	18	0.32
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	18	0.32
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	18	0.32
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	12	0.32
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	12	0.32
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	12	0.32
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	10	0.32
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	10	0.32
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	10	0.32
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	10	0.32
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	10	0.32
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	10	0.32
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	10	0.32
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	10	0.32
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	10	0.32
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	11	0.32
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	11	0.32
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	11	0.32
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	11	0.32
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	11	0.32
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	11	0.32
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	17	0.32
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	16	0.32
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	16	0.32
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	16	0.32
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	16	0.32
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	16	0.32
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	16	0.32
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	15	0.32
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	15	0.32
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	18	0.32
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	18	0.32
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	17	0.32
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	19	0.32
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	11	0.32
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	11	0.32
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	13	0.32
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	13	0.32
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	13	0.32
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	6	0.32
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	6	0.32
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	6	0.32
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	6	0.32
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	6	0.32
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	6	0.32
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	5	0.32
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	5	0.32
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	5	0.32
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	5	0.32
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	5	0.32
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	5	0.32
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	5	0.32
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	5	0.32
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	5	0.32
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	17	0.32
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	17	0.32
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	17	0.32
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	17	0.32
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	17	0.32
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	17	0.32
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	17	0.32
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	17	0.32
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	8	0.32
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	8	0.32
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	8	0.32
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	17	0.32
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	17	0.32
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	17	0.32
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	19	0.32
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	19	0.32
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	19	0.32
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	18	0.32
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	18	0.32
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	18	0.32
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	20	0.32
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	20	0.32
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	3	0.32
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	3	0.32
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	3	0.32
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	3	0.32
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	7	0.32
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	7	0.32
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	4	0.32
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	5	0.32
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	2	0.32
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	8	0.32
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	8	0.32
(1,419)	1:480:A:LEU:HB2	1:481:A:LYS:H	14	0.32
(1,419)	1:480:A:LEU:HB3	1:481:A:LYS:H	14	0.32
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	11	0.32
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	13	0.32
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	14	0.32
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	15	0.32
(1,378)	1:470:A:GLN:HE21	1:475:A:ARG:HD2	1	0.32
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	6	0.32
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	1	0.32
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	1	0.32
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	1	0.32
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	3	0.32
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	3	0.32
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	3	0.32
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	7	0.32
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	7	0.32
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	2	0.32
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	2	0.32
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	2	0.32
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	11	0.32
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	11	0.32
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	11	0.32
(1,341)	1:444:A:LEU:HB2	1:445:A:SER:HB2	9	0.32
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	1	0.32
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	1	0.32
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	1	0.32
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	1	0.32
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG11	9	0.32
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG12	9	0.32
(1,298)	1:416:A:PHE:HD1	1:436:A:VAL:HG13	9	0.32
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG11	9	0.32
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG12	9	0.32
(1,298)	1:416:A:PHE:HD2	1:436:A:VAL:HG13	9	0.32
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	12	0.32
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	12	0.32
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	12	0.32
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	8	0.32
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	8	0.32
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	8	0.32
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	12	0.32
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	12	0.32
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	12	0.32
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	20	0.32
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	20	0.32
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	20	0.32
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	2	0.32
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	2	0.32
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	2	0.32
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	2	0.32
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	2	0.32
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	2	0.32
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	5	0.32
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	5	0.32
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	5	0.32
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	5	0.32
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	5	0.32
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	5	0.32
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	15	0.32
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	15	0.32
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	19	0.32
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	19	0.32
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	19	0.32
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	17	0.32
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	17	0.32
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	17	0.32
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG21	19	0.32
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG22	19	0.32
(1,236)	1:451:A:VAL:HA	1:451:A:VAL:HG23	19	0.32
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	7	0.32
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	18	0.32
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	18	0.32
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	18	0.32
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	18	0.32
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	18	0.32
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	18	0.32
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	19	0.32
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	19	0.32
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	19	0.32
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	19	0.32
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	19	0.32
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	19	0.32
(1,200)	1:404:A:GLY:HA2	1:456:A:PRO:HB3	1	0.32
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	10	0.32
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	19	0.32
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	4	0.32
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	4	0.32
(1,164)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	4	0.32
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	13	0.32
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	13	0.32
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	13	0.32
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	4	0.32
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	4	0.32
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	4	0.32
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	4	0.32
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	4	0.32
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	4	0.32
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD11	12	0.32
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD12	12	0.32
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD13	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD21	12	0.32
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD22	12	0.32
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD23	12	0.32
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	13	0.32
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	15	0.32
(1,85)	1:480:A:LEU:HD11	1:481:A:LYS:H	9	0.32
(1,85)	1:480:A:LEU:HD12	1:481:A:LYS:H	9	0.32
(1,85)	1:480:A:LEU:HD13	1:481:A:LYS:H	9	0.32
(1,85)	1:480:A:LEU:HD21	1:481:A:LYS:H	9	0.32
(1,85)	1:480:A:LEU:HD22	1:481:A:LYS:H	9	0.32
(1,85)	1:480:A:LEU:HD23	1:481:A:LYS:H	9	0.32
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	12	0.32
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	12	0.32
(1,59)	1:474:A:LYS:H	1:474:A:LYS:HG2	1	0.32
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	7	0.32
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	7	0.32
(1,56)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	7	0.32
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	7	0.32
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	7	0.32
(1,56)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	7	0.32
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	7	0.32
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	7	0.32
(1,56)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	7	0.32
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	7	0.32
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	7	0.32
(1,56)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	7	0.32
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	7	0.32
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	7	0.32
(1,56)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	7	0.32
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	7	0.32
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	7	0.32
(1,56)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	7	0.32
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	6	0.32
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	1	0.32
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	8	0.32
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	11	0.32
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	11	0.32
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	11	0.32
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	19	0.32
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	19	0.32
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	19	0.32
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	14	0.31
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	14	0.31
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	14	0.31
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	14	0.31
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	14	0.31
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	20	0.31
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	20	0.31
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	3	0.31
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE1	19	0.31
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE2	19	0.31
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	10	0.31
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	10	0.31
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	10	0.31
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	10	0.31
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	10	0.31
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	10	0.31
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	10	0.31
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	10	0.31
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	10	0.31
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	10	0.31
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	10	0.31
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	10	0.31
(1,2379)	1:436:A:VAL:HA	1:450:A:PHE:HD1	2	0.31
(1,2379)	1:436:A:VAL:HA	1:450:A:PHE:HD2	2	0.31
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	18	0.31
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	18	0.31
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	18	0.31
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	18	0.31
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	18	0.31
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	18	0.31
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	1	0.31
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	1	0.31
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	14	0.31
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	14	0.31
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	14	0.31
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	14	0.31
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	14	0.31
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	14	0.31
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	14	0.31
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	14	0.31
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	14	0.31
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	14	0.31
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	14	0.31
(1,2340)	1:448:A:PHE:HD1	1:449:A:GLY:H	18	0.31
(1,2340)	1:448:A:PHE:HD2	1:449:A:GLY:H	18	0.31
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	4	0.31
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	13	0.31
(1,2289)	1:456:A:PRO:HB2	1:460:A:GLN:HE21	14	0.31
(1,2280)	1:463:A:ILE:HG21	1:464:A:GLN:HE22	4	0.31
(1,2280)	1:463:A:ILE:HG22	1:464:A:GLN:HE22	4	0.31
(1,2280)	1:463:A:ILE:HG23	1:464:A:GLN:HE22	4	0.31
(1,2279)	1:464:A:GLN:HB2	1:464:A:GLN:HE22	20	0.31
(1,2279)	1:464:A:GLN:HB3	1:464:A:GLN:HE22	20	0.31
(1,2273)	1:459:A:ALA:H	1:460:A:GLN:HE22	6	0.31
(1,2272)	1:438:A:ILE:HG21	1:443:A:ASN:HD21	10	0.31
(1,2272)	1:438:A:ILE:HG22	1:443:A:ASN:HD21	10	0.31
(1,2272)	1:438:A:ILE:HG23	1:443:A:ASN:HD21	10	0.31
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	9	0.31
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	9	0.31
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	16	0.31
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	16	0.31
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	5	0.31
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	6	0.31
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	7	0.31
(1,2246)	1:445:A:SER:HB2	1:479:A:GLN:HE21	17	0.31
(1,2244)	1:444:A:LEU:HD11	1:479:A:GLN:HE22	1	0.31
(1,2244)	1:444:A:LEU:HD12	1:479:A:GLN:HE22	1	0.31
(1,2244)	1:444:A:LEU:HD13	1:479:A:GLN:HE22	1	0.31
(1,2244)	1:444:A:LEU:HD21	1:479:A:GLN:HE22	1	0.31
(1,2244)	1:444:A:LEU:HD22	1:479:A:GLN:HE22	1	0.31
(1,2244)	1:444:A:LEU:HD23	1:479:A:GLN:HE22	1	0.31
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	11	0.31
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	6	0.31
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	11	0.31
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	14	0.31
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	15	0.31
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	19	0.31
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG11	13	0.31
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG12	13	0.31
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG13	13	0.31
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	20	0.31
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	20	0.31
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	5	0.31
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	12	0.31
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	11	0.31
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	11	0.31
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	11	0.31
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	11	0.31
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	11	0.31
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	11	0.31
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	16	0.31
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	16	0.31
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	16	0.31
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	7	0.31
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	14	0.31
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	20	0.31
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	9	0.31
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	14	0.31
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	5	0.31
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	5	0.31
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	10	0.31
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	10	0.31
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	12	0.31
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	12	0.31
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	14	0.31
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	14	0.31
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	15	0.31
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	15	0.31
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	4	0.31
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	18	0.31
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	7	0.31
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	10	0.31
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	16	0.31
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	13	0.31
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	13	0.31
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	19	0.31
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	6	0.31
(1,2042)	1:443:A:ASN:HD22	1:444:A:LEU:H	7	0.31
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	14	0.31
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	5	0.31
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	5	0.31
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	14	0.31
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	2	0.31
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	19	0.31
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	4	0.31
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	10	0.31
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	6	0.31
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	1	0.31
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	13	0.31
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	15	0.31
(1,1960)	1:436:A:VAL:HA	1:450:A:PHE:H	2	0.31
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	5	0.31
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	7	0.31
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	7	0.31
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	10	0.31
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	15	0.31
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	20	0.31
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	13	0.31
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	3	0.31
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	5	0.31
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	7	0.31
(1,1940)	1:457:A:VAL:H	1:458:A:SER:H	5	0.31
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	13	0.31
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	13	0.31
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	13	0.31
(1,1924)	1:451:A:VAL:HG11	1:453:A:TYR:H	19	0.31
(1,1924)	1:451:A:VAL:HG12	1:453:A:TYR:H	19	0.31
(1,1924)	1:451:A:VAL:HG13	1:453:A:TYR:H	19	0.31
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	13	0.31
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	12	0.31
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	12	0.31
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	12	0.31
(1,1914)	1:399:A:LYS:HB2	1:400:A:GLU:H	6	0.31
(1,1914)	1:399:A:LYS:HB3	1:400:A:GLU:H	6	0.31
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	16	0.31
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	4	0.31
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	14	0.31
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	18	0.31
(1,1906)	1:435:A:LYS:HE2	1:438:A:ILE:H	14	0.31
(1,1906)	1:435:A:LYS:HE3	1:438:A:ILE:H	14	0.31
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	8	0.31
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	14	0.31
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	15	0.31
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	2	0.31
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	17	0.31
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	11	0.31
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	18	0.31
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	4	0.31
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	13	0.31
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	4	0.31
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	8	0.31
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	17	0.31
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	11	0.31
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	14	0.31
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	4	0.31
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	4	0.31
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	7	0.31
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	7	0.31
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	15	0.31
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	15	0.31
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	19	0.31
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	19	0.31
(1,1867)	1:418:A:ASP:HB2	1:436:A:VAL:H	6	0.31
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	8	0.31
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	8	0.31
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	11	0.31
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	11	0.31
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	14	0.31
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	14	0.31
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	14	0.31
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	16	0.31
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	5	0.31
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	5	0.31
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	14	0.31
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	14	0.31
(1,1850)	1:399:A:LYS:H	1:433:A:SER:HB2	15	0.31
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	20	0.31
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	20	0.31
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	8	0.31
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	8	0.31
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	2	0.31
(1,1841)	1:480:A:LEU:H	1:481:A:LYS:H	5	0.31
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	10	0.31
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	13	0.31
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	3	0.31
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	3	0.31
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	3	0.31
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	20	0.31
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	20	0.31
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	2	0.31
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	17	0.31
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	11	0.31
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	17	0.31
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	16	0.31
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	8	0.31
(1,1801)	1:410:A:TYR:HB2	1:477:A:LYS:H	19	0.31
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	3	0.31
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	15	0.31
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	20	0.31
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	8	0.31
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	20	0.31
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	2	0.31
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	2	0.31
(1,1773)	1:434:A:ALA:H	1:435:A:LYS:H	4	0.31
(1,1764)	1:437:A:PHE:H	1:449:A:GLY:HA3	13	0.31
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	8	0.31
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	11	0.31
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	13	0.31
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	17	0.31
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	9	0.31
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	4	0.31
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	5	0.31
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	13	0.31
(1,1726)	1:432:A:ILE:H	1:453:A:TYR:HA	5	0.31
(1,1726)	1:432:A:ILE:H	1:453:A:TYR:HA	20	0.31
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	1	0.31
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	1	0.31
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	1	0.31
(1,1703)	1:402:A:PRO:HG2	1:405:A:ALA:HA	9	0.31
(1,1703)	1:402:A:PRO:HG2	1:405:A:ALA:HA	11	0.31
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	17	0.31
(1,1694)	1:432:A:ILE:HG12	1:454:A:ASP:H	4	0.31
(1,1694)	1:432:A:ILE:HG13	1:454:A:ASP:H	4	0.31
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	13	0.31
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	13	0.31
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	20	0.31
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	2	0.31
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	2	0.31
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	12	0.31
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	12	0.31
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	15	0.31
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	15	0.31
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	18	0.31
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	11	0.31
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	17	0.31
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	16	0.31
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	16	0.31
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	16	0.31
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	16	0.31
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	16	0.31
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	16	0.31
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	16	0.31
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	16	0.31
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	16	0.31
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	16	0.31
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	16	0.31
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	16	0.31
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG12	4	0.31
(1,1666)	1:413:A:PRO:HB2	1:471:A:ILE:HG13	4	0.31
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG12	4	0.31
(1,1666)	1:413:A:PRO:HB3	1:471:A:ILE:HG13	4	0.31
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	5	0.31
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	5	0.31
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	5	0.31
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG2	10	0.31
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG3	10	0.31
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG2	15	0.31
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG3	15	0.31
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG2	16	0.31
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG3	16	0.31
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG2	16	0.31
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG3	16	0.31
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	18	0.31
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	11	0.31
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	1	0.31
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	1	0.31
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	10	0.31
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	10	0.31
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	3	0.31
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	3	0.31
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	3	0.31
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	3	0.31
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	3	0.31
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	3	0.31
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	11	0.31
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	11	0.31
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	2	0.31
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	2	0.31
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	8	0.31
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	8	0.31
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	1	0.31
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	1	0.31
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	3	0.31
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	3	0.31
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	3	0.31
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	20	0.31
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	19	0.31
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	8	0.31
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	8	0.31
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	20	0.31
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	20	0.31
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	5	0.31
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	5	0.31
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	5	0.31
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	5	0.31
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	16	0.31
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	16	0.31
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	16	0.31
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	16	0.31
(1,1534)	1:440:A:LYS:HD2	1:441:A:GLN:HG2	12	0.31
(1,1534)	1:440:A:LYS:HD3	1:441:A:GLN:HG2	12	0.31
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	5	0.31
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	5	0.31
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	5	0.31
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	19	0.31
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	19	0.31
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	19	0.31
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	12	0.31
(1,1490)	1:481:A:LYS:HA	1:481:A:LYS:HD2	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	11	0.31
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	6	0.31
(1,1439)	1:418:A:ASP:HB2	1:435:A:LYS:HA	12	0.31
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	20	0.31
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	20	0.31
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	1	0.31
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	17	0.31
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	1	0.31
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	1	0.31
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	17	0.31
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	3	0.31
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	3	0.31
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	3	0.31
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	10	0.31
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	10	0.31
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	10	0.31
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	15	0.31
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	15	0.31
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	15	0.31
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	3	0.31
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	8	0.31
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	10	0.31
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	5	0.31
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	5	0.31
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	5	0.31
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	5	0.31
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	5	0.31
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	5	0.31
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	10	0.31
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	10	0.31
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	10	0.31
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	10	0.31
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	10	0.31
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	10	0.31
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	20	0.31
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	20	0.31
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG11	20	0.31
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG12	20	0.31
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG13	20	0.31
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG11	20	0.31
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG12	20	0.31
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG13	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	12	0.31
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	12	0.31
(1,1326)	1:411:A:HIS:H	1:448:A:PHE:HA	9	0.31
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	13	0.31
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	13	0.31
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	13	0.31
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	13	0.31
(1,1312)	1:472:A:GLY:HA2	1:473:A:MET:HG2	2	0.31
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	6	0.31
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD2	16	0.31
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD3	16	0.31
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	10	0.31
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	13	0.31
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	13	0.31
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	16	0.31
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	16	0.31
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	3	0.31
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	5	0.31
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	7	0.31
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	12	0.31
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	19	0.31
(1,1274)	1:456:A:PRO:HB2	1:457:A:VAL:H	8	0.31
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	4	0.31
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	12	0.31
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	18	0.31
(1,1242)	1:483:A:SER:HB2	1:484:A:LYS:HB3	11	0.31
(1,1242)	1:483:A:SER:HB3	1:484:A:LYS:HB3	11	0.31
(1,1241)	1:456:A:PRO:HB3	1:460:A:GLN:HG2	14	0.31
(1,1241)	1:456:A:PRO:HB3	1:460:A:GLN:HG3	14	0.31
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	4	0.31
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	10	0.31
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	4	0.31
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	4	0.31
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	20	0.31
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	20	0.31
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	18	0.31
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	18	0.31
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	18	0.31
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	18	0.31
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	18	0.31
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	18	0.31
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG2	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG3	19	0.31
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	13	0.31
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	17	0.31
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	12	0.31
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	14	0.31
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG21	8	0.31
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG22	8	0.31
(1,1179)	1:399:A:LYS:HB2	1:432:A:ILE:HG23	8	0.31
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG21	8	0.31
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG22	8	0.31
(1,1179)	1:399:A:LYS:HB3	1:432:A:ILE:HG23	8	0.31
(1,1164)	1:398:A:GLN:HG3	1:399:A:LYS:H	13	0.31
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	7	0.31
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	7	0.31
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	19	0.31
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	19	0.31
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB2	10	0.31
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB3	10	0.31
(1,1143)	1:408:A:PHE:HA	1:450:A:PHE:HA	1	0.31
(1,1143)	1:408:A:PHE:HA	1:450:A:PHE:HA	13	0.31
(1,1123)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	1	0.31
(1,1123)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	1	0.31
(1,1123)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	15	0.31
(1,1123)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	15	0.31
(1,1113)	1:423:A:GLN:HA	1:423:A:GLN:HG2	20	0.31
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	14	0.31
(1,1103)	1:479:A:GLN:HG2	1:480:A:LEU:H	9	0.31
(1,1103)	1:479:A:GLN:HG3	1:480:A:LEU:H	9	0.31
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	3	0.31
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	15	0.31
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	17	0.31
(1,1085)	1:440:A:LYS:HG2	1:441:A:GLN:HG3	10	0.31
(1,1085)	1:440:A:LYS:HG3	1:441:A:GLN:HG3	10	0.31
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	4	0.31
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	4	0.31
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	4	0.31
(1,1077)	1:441:A:GLN:HA	1:441:A:GLN:HG3	11	0.31
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	17	0.31
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	17	0.31
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	2	0.31
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	2	0.31
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	12	0.31
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB2	6	0.31
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB3	6	0.31
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB2	9	0.31
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB3	9	0.31
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB2	18	0.31
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB3	18	0.31
(1,1029)	1:486:A:ASP:HB3	1:487:A:SER:HA	6	0.31
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	8	0.31
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	8	0.31
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	10	0.31
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	10	0.31
(1,999)	1:403:A:GLU:H	1:403:A:GLU:HG2	7	0.31
(1,999)	1:403:A:GLU:H	1:403:A:GLU:HG2	12	0.31
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	10	0.31
(1,982)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	19	0.31
(1,982)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	19	0.31
(1,982)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	19	0.31
(1,982)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	20	0.31
(1,982)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	20	0.31
(1,982)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	20	0.31
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	16	0.31
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	16	0.31
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	16	0.31
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	13	0.31
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	13	0.31
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	13	0.31
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD11	6	0.31
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD12	6	0.31
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD13	6	0.31
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD11	6	0.31
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD12	6	0.31
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD13	6	0.31
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD11	15	0.31
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD12	15	0.31
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD13	15	0.31
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD11	15	0.31
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD12	15	0.31
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD13	15	0.31
(1,960)	1:409:A:ILE:HA	1:410:A:TYR:HB2	16	0.31
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	5	0.31
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	12	0.31
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	12	0.31
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	15	0.31
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	15	0.31
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	3	0.31
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	10	0.31
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	9	0.31
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	15	0.31
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	15	0.31
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	15	0.31
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	15	0.31
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	2	0.31
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	2	0.31
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	9	0.31
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	9	0.31
(1,931)	1:399:A:LYS:HA	1:400:A:GLU:HG2	11	0.31
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	7	0.31
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	18	0.31
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	18	0.31
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	18	0.31
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	11	0.31
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	3	0.31
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	3	0.31
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	3	0.31
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	14	0.31
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	14	0.31
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	14	0.31
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	7	0.31
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	7	0.31
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	7	0.31
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	9	0.31
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	9	0.31
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	9	0.31
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	17	0.31
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	17	0.31
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	17	0.31
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	20	0.31
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	20	0.31
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	20	0.31
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	12	0.31
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	16	0.31
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	16	0.31
(1,851)	1:399:A:LYS:HD2	1:432:A:ILE:HB	1	0.31
(1,851)	1:399:A:LYS:HD3	1:432:A:ILE:HB	1	0.31
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	8	0.31
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	8	0.31
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	8	0.31
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	8	0.31
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	8	0.31
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	8	0.31
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	1	0.31
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	1	0.31
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	1	0.31
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	11	0.31
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	11	0.31
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	11	0.31
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	15	0.31
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	15	0.31
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	15	0.31
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	4	0.31
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	18	0.31
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	17	0.31
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	17	0.31
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	15	0.31
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	15	0.31
(1,784)	1:436:A:VAL:HA	1:449:A:GLY:HA3	20	0.31
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	3	0.31
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	3	0.31
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	3	0.31
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	12	0.31
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	12	0.31
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	12	0.31
(1,773)	1:409:A:ILE:HD11	1:450:A:PHE:HA	17	0.31
(1,773)	1:409:A:ILE:HD12	1:450:A:PHE:HA	17	0.31
(1,773)	1:409:A:ILE:HD13	1:450:A:PHE:HA	17	0.31
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	9	0.31
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	9	0.31
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	9	0.31
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	9	0.31
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	9	0.31
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	9	0.31
(1,753)	1:402:A:PRO:HA	1:404:A:GLY:H	10	0.31
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB1	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB2	18	0.31
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB3	18	0.31
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	9	0.31
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	11	0.31
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	12	0.31
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	8	0.31
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	8	0.31
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	8	0.31
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	8	0.31
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	3	0.31
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	3	0.31
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	3	0.31
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	15	0.31
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	15	0.31
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	15	0.31
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	8	0.31
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	8	0.31
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	8	0.31
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	8	0.31
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	8	0.31
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	8	0.31
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	6	0.31
(1,660)	1:489:A:PRO:HA	1:490:A:TYR:HB2	15	0.31
(1,649)	1:463:A:ILE:HG21	1:464:A:GLN:HG2	1	0.31
(1,649)	1:463:A:ILE:HG21	1:464:A:GLN:HG3	1	0.31
(1,649)	1:463:A:ILE:HG22	1:464:A:GLN:HG2	1	0.31
(1,649)	1:463:A:ILE:HG22	1:464:A:GLN:HG3	1	0.31
(1,649)	1:463:A:ILE:HG23	1:464:A:GLN:HG2	1	0.31
(1,649)	1:463:A:ILE:HG23	1:464:A:GLN:HG3	1	0.31
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	17	0.31
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	17	0.31
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	17	0.31
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	17	0.31
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	17	0.31
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	17	0.31
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	20	0.31
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	20	0.31
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	20	0.31
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	20	0.31
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	20	0.31
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	20	0.31
(1,624)	1:469:A:PHE:HB2	1:475:A:ARG:HD3	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	6	0.31
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	6	0.31
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	6	0.31
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	6	0.31
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	6	0.31
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	6	0.31
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	20	0.31
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	20	0.31
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	20	0.31
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	20	0.31
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	20	0.31
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	20	0.31
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	6	0.31
(1,598)	1:424:A:MET:HG2	1:469:A:PHE:HB2	9	0.31
(1,598)	1:424:A:MET:HG3	1:469:A:PHE:HB2	9	0.31
(1,589)	1:486:A:ASP:H	1:486:A:ASP:HB3	4	0.31
(1,589)	1:486:A:ASP:H	1:486:A:ASP:HB3	14	0.31
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	3	0.31
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	3	0.31
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	3	0.31
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	20	0.31
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	20	0.31
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	20	0.31
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	11	0.31
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	11	0.31
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	11	0.31
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE1	4	0.31
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE2	4	0.31
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	17	0.31
(1,508)	1:435:A:LYS:HE2	1:450:A:PHE:HB3	12	0.31
(1,508)	1:435:A:LYS:HE3	1:450:A:PHE:HB3	12	0.31
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE2	18	0.31
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE3	18	0.31
(1,504)	1:481:A:LYS:HE2	1:482:A:ARG:H	6	0.31
(1,504)	1:481:A:LYS:HE3	1:482:A:ARG:H	6	0.31
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	1	0.31
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	1	0.31
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	15	0.31
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	15	0.31
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	15	0.31
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	15	0.31
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	15	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	15	0.31
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	15	0.31
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	15	0.31
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	11	0.31
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	11	0.31
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	11	0.31
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	11	0.31
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	20	0.31
(1,473)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	20	0.31
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	20	0.31
(1,473)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	20	0.31
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB2	4	0.31
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB3	4	0.31
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB2	4	0.31
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB3	4	0.31
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB2	4	0.31
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB3	4	0.31
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB2	14	0.31
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB3	14	0.31
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB2	14	0.31
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB3	14	0.31
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB2	14	0.31
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB3	14	0.31
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB2	17	0.31
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB3	17	0.31
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB2	17	0.31
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB3	17	0.31
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB2	17	0.31
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB3	17	0.31
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG21	18	0.31
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG22	18	0.31
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG23	18	0.31
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	16	0.31
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	16	0.31
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	2	0.31
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	7	0.31
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	13	0.31
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	13	0.31
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	18	0.31
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	18	0.31
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	7	0.31
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	20	0.31
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB2	4	0.31
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB3	4	0.31
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB2	4	0.31
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB3	4	0.31
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB2	4	0.31
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB3	4	0.31
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	3	0.31
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	17	0.31
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	2	0.31
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	16	0.31
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	1	0.31
(1,375)	1:468:A:GLY:H	1:475:A:ARG:HD3	8	0.31
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	11	0.31
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	1	0.31
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	1	0.31
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	1	0.31
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	10	0.31
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	10	0.31
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	10	0.31
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	9	0.31
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	9	0.31
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	9	0.31
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	14	0.31
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	14	0.31
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	14	0.31
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	6	0.31
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	6	0.31
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	6	0.31
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG11	19	0.31
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG12	19	0.31
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG13	19	0.31
(1,326)	1:409:A:ILE:HG21	1:412:A:LEU:HB3	14	0.31
(1,326)	1:409:A:ILE:HG22	1:412:A:LEU:HB3	14	0.31
(1,326)	1:409:A:ILE:HG23	1:412:A:LEU:HB3	14	0.31
(1,319)	1:433:A:SER:HB2	1:450:A:PHE:HB2	20	0.31
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	1	0.31
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	1	0.31
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	7	0.31
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	7	0.31
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	9	0.31
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	9	0.31
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	12	0.31
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	12	0.31
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	12	0.31
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	18	0.31
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	18	0.31
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	18	0.31
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	11	0.31
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	11	0.31
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	11	0.31
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	11	0.31
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	11	0.31
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	11	0.31
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	20	0.31
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	20	0.31
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	20	0.31
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	9	0.31
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	9	0.31
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	3	0.31
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	3	0.31
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	3	0.31
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	3	0.31
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	3	0.31
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	3	0.31
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	9	0.31
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	9	0.31
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	9	0.31
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	9	0.31
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	9	0.31
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	9	0.31
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	12	0.31
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	12	0.31
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	12	0.31
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	13	0.31
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	13	0.31
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	13	0.31
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	11	0.31
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	11	0.31
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	11	0.31
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	17	0.31
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	17	0.31
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	10	0.31
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	10	0.31
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	10	0.31
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	2	0.31
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	2	0.31
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	7	0.31
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	7	0.31
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	18	0.31
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	18	0.31
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	18	0.31
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	18	0.31
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	18	0.31
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	18	0.31
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	18	0.31
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	18	0.31
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	18	0.31
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	18	0.31
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	18	0.31
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	18	0.31
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	18	0.31
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	18	0.31
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	18	0.31
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	18	0.31
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	18	0.31
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	18	0.31
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	18	0.31
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	18	0.31
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	18	0.31
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	18	0.31
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	18	0.31
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	18	0.31
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	18	0.31
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	18	0.31
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	18	0.31
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	18	0.31
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	18	0.31
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	18	0.31
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	8	0.31
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	8	0.31
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	8	0.31
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	8	0.31
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	8	0.31
(1,117)	1:442:A:THR:HG21	1:444:A:LEU:HG	19	0.31
(1,117)	1:442:A:THR:HG22	1:444:A:LEU:HG	19	0.31
(1,117)	1:442:A:THR:HG23	1:444:A:LEU:HG	19	0.31
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	6	0.31
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	6	0.31
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	6	0.31
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	6	0.31
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	6	0.31
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	6	0.31
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD11	14	0.31
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD12	14	0.31
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD13	14	0.31
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD21	14	0.31
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD22	14	0.31
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD23	14	0.31
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	7	0.31
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	8	0.31
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	18	0.31
(1,85)	1:480:A:LEU:HD11	1:481:A:LYS:H	10	0.31
(1,85)	1:480:A:LEU:HD12	1:481:A:LYS:H	10	0.31
(1,85)	1:480:A:LEU:HD13	1:481:A:LYS:H	10	0.31
(1,85)	1:480:A:LEU:HD21	1:481:A:LYS:H	10	0.31
(1,85)	1:480:A:LEU:HD22	1:481:A:LYS:H	10	0.31
(1,85)	1:480:A:LEU:HD23	1:481:A:LYS:H	10	0.31
(1,76)	1:442:A:THR:HB	1:443:A:ASN:H	9	0.31
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	12	0.31
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	12	0.31
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	4	0.31
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	4	0.31
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	19	0.31
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	19	0.31
(1,50)	1:407:A:LEU:HD11	1:408:A:PHE:H	14	0.31
(1,50)	1:407:A:LEU:HD12	1:408:A:PHE:H	14	0.31
(1,50)	1:407:A:LEU:HD13	1:408:A:PHE:H	14	0.31
(1,50)	1:407:A:LEU:HD21	1:408:A:PHE:H	14	0.31
(1,50)	1:407:A:LEU:HD22	1:408:A:PHE:H	14	0.31
(1,50)	1:407:A:LEU:HD23	1:408:A:PHE:H	14	0.31
(1,41)	1:407:A:LEU:HD11	1:452:A:SER:H	18	0.31
(1,41)	1:407:A:LEU:HD12	1:452:A:SER:H	18	0.31
(1,41)	1:407:A:LEU:HD13	1:452:A:SER:H	18	0.31
(1,41)	1:407:A:LEU:HD21	1:452:A:SER:H	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,41)	1:407:A:LEU:HD22	1:452:A:SER:H	18	0.31
(1,41)	1:407:A:LEU:HD23	1:452:A:SER:H	18	0.31
(1,37)	1:469:A:PHE:HB3	1:476:A:LEU:HG	18	0.31
(1,33)	1:412:A:LEU:H	1:476:A:LEU:HG	17	0.31
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	5	0.31
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	7	0.31
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	10	0.31
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	18	0.31
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	19	0.31
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	19	0.31
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	6	0.31
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	6	0.31
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	6	0.31
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	2	0.31
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	15	0.31
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	11	0.31
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	11	0.31
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD1	10	0.31
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD2	10	0.31
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	10	0.3
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	10	0.3
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	1	0.3
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	1	0.3
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	1	0.3
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	1	0.3
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	1	0.3
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	1	0.3
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	3	0.3
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	3	0.3
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	3	0.3
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	3	0.3
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	3	0.3
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	3	0.3
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	6	0.3
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	6	0.3
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	6	0.3
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	6	0.3
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	6	0.3
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	6	0.3
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	15	0.3
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	15	0.3
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	15	0.3
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	15	0.3
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	15	0.3
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	5	0.3
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	5	0.3
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	12	0.3
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	12	0.3
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	20	0.3
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	20	0.3
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	20	0.3
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	20	0.3
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	20	0.3
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	20	0.3
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	20	0.3
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	20	0.3
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	20	0.3
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	20	0.3
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	20	0.3
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	20	0.3
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	4	0.3
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	4	0.3
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	18	0.3
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	18	0.3
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	3	0.3
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	3	0.3
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	20	0.3
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	20	0.3
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	15	0.3
(1,2369)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	15	0.3
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	4	0.3
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	4	0.3
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	4	0.3
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	4	0.3
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	4	0.3
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	4	0.3
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	9	0.3
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	9	0.3
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	9	0.3
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	9	0.3
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	9	0.3
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	9	0.3
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	9	0.3
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	9	0.3
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	9	0.3
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	9	0.3
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	9	0.3
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	16	0.3
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	16	0.3
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	16	0.3
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	16	0.3
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	16	0.3
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	16	0.3
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	16	0.3
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	16	0.3
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	16	0.3
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	16	0.3
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	16	0.3
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	16	0.3
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	19	0.3
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	19	0.3
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	20	0.3
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	20	0.3
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD1	8	0.3
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD2	8	0.3
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD1	7	0.3
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD2	7	0.3
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD1	10	0.3
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD2	10	0.3
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	2	0.3
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	2	0.3
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	20	0.3
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	20	0.3
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	20	0.3
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	20	0.3
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	4	0.3
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	5	0.3
(1,2319)	1:448:A:PHE:HB2	1:449:A:GLY:H	6	0.3
(1,2319)	1:448:A:PHE:HB3	1:449:A:GLY:H	6	0.3
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	10	0.3
(1,2316)	1:411:A:HIS:H	1:449:A:GLY:H	9	0.3
(1,2316)	1:411:A:HIS:H	1:449:A:GLY:H	19	0.3
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB1	18	0.3
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB2	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2311)	1:401:A:GLY:H	1:405:A:ALA:HB3	18	0.3
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	1	0.3
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	7	0.3
(1,2290)	1:470:A:GLN:HA	1:470:A:GLN:HE21	5	0.3
(1,2286)	1:456:A:PRO:HB2	1:460:A:GLN:HE22	14	0.3
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	2	0.3
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	2	0.3
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	7	0.3
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	7	0.3
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	8	0.3
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	8	0.3
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	9	0.3
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	9	0.3
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	11	0.3
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	11	0.3
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	15	0.3
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	15	0.3
(1,2273)	1:459:A:ALA:H	1:460:A:GLN:HE22	19	0.3
(1,2272)	1:438:A:ILE:HG21	1:443:A:ASN:HD21	5	0.3
(1,2272)	1:438:A:ILE:HG22	1:443:A:ASN:HD21	5	0.3
(1,2272)	1:438:A:ILE:HG23	1:443:A:ASN:HD21	5	0.3
(1,2272)	1:438:A:ILE:HG21	1:443:A:ASN:HD21	15	0.3
(1,2272)	1:438:A:ILE:HG22	1:443:A:ASN:HD21	15	0.3
(1,2272)	1:438:A:ILE:HG23	1:443:A:ASN:HD21	15	0.3
(1,2272)	1:438:A:ILE:HG21	1:443:A:ASN:HD21	17	0.3
(1,2272)	1:438:A:ILE:HG22	1:443:A:ASN:HD21	17	0.3
(1,2272)	1:438:A:ILE:HG23	1:443:A:ASN:HD21	17	0.3
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	13	0.3
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	20	0.3
(1,2250)	1:422:A:LEU:HG	1:425:A:PHE:H	10	0.3
(1,2246)	1:445:A:SER:HB2	1:479:A:GLN:HE21	20	0.3
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	3	0.3
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	3	0.3
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	3	0.3
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	20	0.3
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	20	0.3
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	20	0.3
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	1	0.3
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	2	0.3
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	12	0.3
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	18	0.3
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	3	0.3
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	20	0.3
(1,2203)	1:431:A:VAL:HG21	1:433:A:SER:H	3	0.3
(1,2203)	1:431:A:VAL:HG22	1:433:A:SER:H	3	0.3
(1,2203)	1:431:A:VAL:HG23	1:433:A:SER:H	3	0.3
(1,2191)	1:453:A:TYR:HB3	1:455:A:ASN:H	13	0.3
(1,2182)	1:409:A:ILE:HG21	1:412:A:LEU:H	3	0.3
(1,2182)	1:409:A:ILE:HG22	1:412:A:LEU:H	3	0.3
(1,2182)	1:409:A:ILE:HG23	1:412:A:LEU:H	3	0.3
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	6	0.3
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	11	0.3
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	16	0.3
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	1	0.3
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	1	0.3
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	2	0.3
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	2	0.3
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	7	0.3
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	7	0.3
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	5	0.3
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	11	0.3
(1,2111)	1:418:A:ASP:HB3	1:419:A:GLN:H	10	0.3
(1,2111)	1:418:A:ASP:HB3	1:419:A:GLN:H	13	0.3
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	2	0.3
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	5	0.3
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	8	0.3
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	4	0.3
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	7	0.3
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	13	0.3
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	3	0.3
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	4	0.3
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	5	0.3
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	12	0.3
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	13	0.3
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	15	0.3
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	5	0.3
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	11	0.3
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	1	0.3
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	6	0.3
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	8	0.3
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	20	0.3
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	7	0.3
(1,2031)	1:482:A:ARG:HB3	1:483:A:SER:H	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	1	0.3
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	1	0.3
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	9	0.3
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	4	0.3
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	11	0.3
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	12	0.3
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	11	0.3
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	16	0.3
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	7	0.3
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	16	0.3
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	20	0.3
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	2	0.3
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	4	0.3
(1,1960)	1:436:A:VAL:HA	1:450:A:PHE:H	5	0.3
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	4	0.3
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	8	0.3
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	11	0.3
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	14	0.3
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	18	0.3
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	19	0.3
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	12	0.3
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	12	0.3
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	12	0.3
(1,1930)	1:435:A:LYS:H	1:450:A:PHE:HB3	12	0.3
(1,1922)	1:452:A:SER:HB3	1:453:A:TYR:H	17	0.3
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	8	0.3
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	16	0.3
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	9	0.3
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	18	0.3
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	1	0.3
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	3	0.3
(1,1867)	1:418:A:ASP:HB2	1:436:A:VAL:H	11	0.3
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	2	0.3
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	16	0.3
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	20	0.3
(1,1861)	1:459:A:ALA:HA	1:461:A:ALA:H	12	0.3
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	19	0.3
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	19	0.3
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD2	13	0.3
(1,1851)	1:399:A:LYS:H	1:399:A:LYS:HD3	13	0.3
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	3	0.3
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	11	0.3
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	10	0.3
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG21	1	0.3
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG22	1	0.3
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG23	1	0.3
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	8	0.3
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	10	0.3
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	19	0.3
(1,1815)	1:469:A:PHE:H	1:476:A:LEU:HA	19	0.3
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	3	0.3
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	9	0.3
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	11	0.3
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	19	0.3
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	8	0.3
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	1	0.3
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	10	0.3
(1,1782)	1:481:A:LYS:H	1:481:A:LYS:HB3	19	0.3
(1,1775)	1:433:A:SER:HA	1:434:A:ALA:H	4	0.3
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	4	0.3
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	4	0.3
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	6	0.3
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	5	0.3
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	19	0.3
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	6	0.3
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	8	0.3
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	1	0.3
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	20	0.3
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	4	0.3
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	4	0.3
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	4	0.3
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	11	0.3
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	11	0.3
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	11	0.3
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	10	0.3
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	10	0.3
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	17	0.3
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	17	0.3
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	11	0.3
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	11	0.3
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	4	0.3
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	4	0.3
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	4	0.3
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	8	0.3
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	8	0.3
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	8	0.3
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	8	0.3
(1,1702)	1:402:A:PRO:HG2	1:456:A:PRO:HA	6	0.3
(1,1702)	1:402:A:PRO:HG2	1:456:A:PRO:HA	9	0.3
(1,1702)	1:402:A:PRO:HG2	1:456:A:PRO:HA	13	0.3
(1,1702)	1:402:A:PRO:HG2	1:456:A:PRO:HA	16	0.3
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	8	0.3
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	12	0.3
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	18	0.3
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	5	0.3
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	5	0.3
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	9	0.3
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	9	0.3
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	11	0.3
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	11	0.3
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	6	0.3
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	9	0.3
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	11	0.3
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG2	4	0.3
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG3	4	0.3
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	1	0.3
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	7	0.3
(1,1630)	1:405:A:ALA:HA	1:452:A:SER:HA	4	0.3
(1,1624)	1:455:A:ASN:HA	1:456:A:PRO:HD3	13	0.3
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	2	0.3
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	6	0.3
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	8	0.3
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	16	0.3
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	16	0.3
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	16	0.3
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	16	0.3
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	16	0.3
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	16	0.3
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	11	0.3
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	11	0.3
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	15	0.3
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	15	0.3
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	20	0.3
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	9	0.3
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	9	0.3
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	3	0.3
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	3	0.3
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	1	0.3
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	1	0.3
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	5	0.3
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	5	0.3
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	9	0.3
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	9	0.3
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	11	0.3
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	11	0.3
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	15	0.3
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	15	0.3
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	18	0.3
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	18	0.3
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	14	0.3
(1,1572)	1:409:A:ILE:HG12	1:449:A:GLY:H	10	0.3
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	13	0.3
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	13	0.3
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	6	0.3
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	8	0.3
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	3	0.3
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	3	0.3
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	3	0.3
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	3	0.3
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	6	0.3
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	6	0.3
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	6	0.3
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	6	0.3
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	8	0.3
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	8	0.3
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	8	0.3
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	8	0.3
(1,1534)	1:440:A:LYS:HD2	1:441:A:GLN:HG2	1	0.3
(1,1534)	1:440:A:LYS:HD3	1:441:A:GLN:HG2	1	0.3
(1,1534)	1:440:A:LYS:HD2	1:441:A:GLN:HG2	3	0.3
(1,1534)	1:440:A:LYS:HD3	1:441:A:GLN:HG2	3	0.3
(1,1534)	1:440:A:LYS:HD2	1:441:A:GLN:HG2	4	0.3
(1,1534)	1:440:A:LYS:HD3	1:441:A:GLN:HG2	4	0.3
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	8	0.3
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	10	0.3
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	10	0.3
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	10	0.3
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	13	0.3
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	17	0.3
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	3	0.3
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	3	0.3
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	3	0.3
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	3	0.3
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	9	0.3
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	11	0.3
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	18	0.3
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	9	0.3
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	20	0.3
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	20	0.3
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	20	0.3
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	5	0.3
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	6	0.3
(1,1439)	1:418:A:ASP:HB2	1:435:A:LYS:HA	3	0.3
(1,1439)	1:418:A:ASP:HB2	1:435:A:LYS:HA	19	0.3
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG21	16	0.3
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG22	16	0.3
(1,1437)	1:435:A:LYS:HA	1:436:A:VAL:HG23	16	0.3
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	4	0.3
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	4	0.3
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	11	0.3
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	11	0.3
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	17	0.3
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	17	0.3
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	19	0.3
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	19	0.3
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	4	0.3
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	5	0.3
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	17	0.3
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	15	0.3
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	16	0.3
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	5	0.3
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	5	0.3
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	10	0.3
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	10	0.3
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	14	0.3
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	6	0.3
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	6	0.3
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	6	0.3
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	6	0.3
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	6	0.3
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	6	0.3
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	6	0.3
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	6	0.3
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	6	0.3
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	6	0.3
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	6	0.3
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	17	0.3
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	17	0.3
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	17	0.3
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	17	0.3
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	17	0.3
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	17	0.3
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	17	0.3
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	17	0.3
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	17	0.3
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	17	0.3
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	17	0.3
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	17	0.3
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	11	0.3
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	9	0.3
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	9	0.3
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	9	0.3
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	9	0.3
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	9	0.3
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	9	0.3
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB1	13	0.3
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB2	13	0.3
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB3	13	0.3
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	12	0.3
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	12	0.3
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	12	0.3
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	12	0.3
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	5	0.3
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	5	0.3
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	5	0.3
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	5	0.3
(1,1326)	1:411:A:HIS:H	1:448:A:PHE:HA	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG11	17	0.3
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG12	17	0.3
(1,1324)	1:431:A:VAL:HB	1:451:A:VAL:HG13	17	0.3
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	11	0.3
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	11	0.3
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	15	0.3
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	15	0.3
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	20	0.3
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	20	0.3
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	15	0.3
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	15	0.3
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	15	0.3
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	15	0.3
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	8	0.3
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	10	0.3
(1,1302)	1:472:A:GLY:HA3	1:473:A:MET:HG3	6	0.3
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	4	0.3
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD2	1	0.3
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD3	1	0.3
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	13	0.3
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	15	0.3
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	4	0.3
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	4	0.3
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	5	0.3
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	5	0.3
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	6	0.3
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	6	0.3
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	9	0.3
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	9	0.3
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	10	0.3
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	10	0.3
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	20	0.3
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	20	0.3
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	13	0.3
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	9	0.3
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	11	0.3
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	14	0.3
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	15	0.3
(1,1239)	1:407:A:LEU:HB3	1:452:A:SER:HA	18	0.3
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	8	0.3
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	20	0.3
(1,1228)	1:398:A:GLN:HG3	1:399:A:LYS:HA	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:399:A:LYS:HA	1:400:A:GLU:HG3	15	0.3
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	17	0.3
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	17	0.3
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	4	0.3
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	4	0.3
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	12	0.3
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	12	0.3
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	1	0.3
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	1	0.3
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	9	0.3
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	9	0.3
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	3	0.3
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	3	0.3
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	3	0.3
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	3	0.3
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	3	0.3
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	3	0.3
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG2	4	0.3
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG3	4	0.3
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG2	11	0.3
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG3	11	0.3
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	10	0.3
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	15	0.3
(1,1184)	1:467:A:ASN:HA	1:468:A:GLY:HA3	16	0.3
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	14	0.3
(1,1164)	1:398:A:GLN:HG3	1:399:A:LYS:H	12	0.3
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	16	0.3
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	16	0.3
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD2	6	0.3
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD3	6	0.3
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD2	12	0.3
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD3	12	0.3
(1,1143)	1:408:A:PHE:HA	1:450:A:PHE:HA	2	0.3
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	4	0.3
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	15	0.3
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	11	0.3
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	1	0.3
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	1	0.3
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	1	0.3
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	7	0.3
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	7	0.3
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1094)	1:415:A:GLU:HA	1:415:A:GLU:HG2	12	0.3
(1,1094)	1:415:A:GLU:HA	1:415:A:GLU:HG3	12	0.3
(1,1085)	1:440:A:LYS:HG2	1:441:A:GLN:HG3	12	0.3
(1,1085)	1:440:A:LYS:HG3	1:441:A:GLN:HG3	12	0.3
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	3	0.3
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	3	0.3
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	3	0.3
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	17	0.3
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	17	0.3
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	17	0.3
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	4	0.3
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	13	0.3
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	13	0.3
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	13	0.3
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	6	0.3
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	6	0.3
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	6	0.3
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	15	0.3
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	15	0.3
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	15	0.3
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	18	0.3
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	18	0.3
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	8	0.3
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	8	0.3
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	10	0.3
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	10	0.3
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	12	0.3
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	12	0.3
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	19	0.3
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	19	0.3
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	4	0.3
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	7	0.3
(1,1035)	1:427:A:PRO:HB2	1:428:A:PHE:HA	11	0.3
(1,1035)	1:427:A:PRO:HB3	1:428:A:PHE:HA	11	0.3
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	6	0.3
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	11	0.3
(1,982)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	10	0.3
(1,982)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	10	0.3
(1,982)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	10	0.3
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	15	0.3
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	15	0.3
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	18	0.3
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	18	0.3
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	18	0.3
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG21	12	0.3
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG22	12	0.3
(1,968)	1:422:A:LEU:HA	1:431:A:VAL:HG23	12	0.3
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	7	0.3
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	7	0.3
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD1	11	0.3
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD2	11	0.3
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	3	0.3
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	3	0.3
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	3	0.3
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	3	0.3
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	19	0.3
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	19	0.3
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	6	0.3
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	6	0.3
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	19	0.3
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	19	0.3
(1,927)	1:400:A:GLU:HG2	1:406:A:ASN:HB2	5	0.3
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	9	0.3
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	9	0.3
(1,924)	1:400:A:GLU:HG3	1:452:A:SER:HB3	4	0.3
(1,919)	1:400:A:GLU:HG3	1:406:A:ASN:HD21	19	0.3
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	13	0.3
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	6	0.3
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	6	0.3
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	6	0.3
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	17	0.3
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	17	0.3
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	17	0.3
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD1	2	0.3
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD2	2	0.3
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD1	2	0.3
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD2	2	0.3
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD1	2	0.3
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD2	2	0.3
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	6	0.3
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	6	0.3
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	6	0.3
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	20	0.3
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	8	0.3
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	8	0.3
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	8	0.3
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	10	0.3
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	10	0.3
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	10	0.3
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	19	0.3
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	19	0.3
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	19	0.3
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	19	0.3
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	19	0.3
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	1	0.3
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	1	0.3
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	1	0.3
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	10	0.3
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	10	0.3
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	10	0.3
(1,851)	1:399:A:LYS:HD2	1:432:A:ILE:HB	14	0.3
(1,851)	1:399:A:LYS:HD3	1:432:A:ILE:HB	14	0.3
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	1	0.3
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	1	0.3
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	1	0.3
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	1	0.3
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	1	0.3
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	1	0.3
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	15	0.3
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	15	0.3
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	15	0.3
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	15	0.3
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	15	0.3
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	15	0.3
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	20	0.3
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	20	0.3
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	20	0.3
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	1	0.3
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	1	0.3
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	1	0.3
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	4	0.3
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	7	0.3
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	9	0.3
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	20	0.3
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	5	0.3
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	5	0.3
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	2	0.3
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	2	0.3
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	2	0.3
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	2	0.3
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	2	0.3
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	2	0.3
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	10	0.3
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	10	0.3
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	10	0.3
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	10	0.3
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	10	0.3
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	10	0.3
(1,753)	1:402:A:PRO:HA	1:404:A:GLY:H	18	0.3
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	15	0.3
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	10	0.3
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	10	0.3
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	10	0.3
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	10	0.3
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	10	0.3
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	10	0.3
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	4	0.3
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	4	0.3
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	4	0.3
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	20	0.3
(1,659)	1:489:A:PRO:HA	1:490:A:TYR:H	14	0.3
(1,649)	1:463:A:ILE:HG21	1:464:A:GLN:HG2	4	0.3
(1,649)	1:463:A:ILE:HG21	1:464:A:GLN:HG3	4	0.3
(1,649)	1:463:A:ILE:HG22	1:464:A:GLN:HG2	4	0.3
(1,649)	1:463:A:ILE:HG22	1:464:A:GLN:HG3	4	0.3
(1,649)	1:463:A:ILE:HG23	1:464:A:GLN:HG2	4	0.3
(1,649)	1:463:A:ILE:HG23	1:464:A:GLN:HG3	4	0.3
(1,634)	1:488:A:LYS:HB2	1:489:A:PRO:HA	5	0.3
(1,634)	1:488:A:LYS:HB3	1:489:A:PRO:HA	5	0.3
(1,625)	1:466:A:MET:HG2	1:469:A:PHE:HB2	10	0.3
(1,625)	1:466:A:MET:HG3	1:469:A:PHE:HB2	10	0.3
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	9	0.3
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	2	0.3
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	2	0.3
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	9	0.3
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	9	0.3
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	9	0.3
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	9	0.3
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	9	0.3
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	12	0.3
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	12	0.3
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	12	0.3
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	17	0.3
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	17	0.3
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	17	0.3
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	15	0.3
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	14	0.3
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	17	0.3
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE1	6	0.3
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE2	6	0.3
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE1	9	0.3
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE2	9	0.3
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE1	20	0.3
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE2	20	0.3
(1,537)	1:455:A:ASN:HB3	1:457:A:VAL:HB	3	0.3
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE2	16	0.3
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE3	16	0.3
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	3	0.3
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	3	0.3
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	3	0.3
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	3	0.3
(1,500)	1:440:A:LYS:HE2	1:441:A:GLN:HG2	20	0.3
(1,500)	1:440:A:LYS:HE3	1:441:A:GLN:HG2	20	0.3
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	18	0.3
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	18	0.3
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	18	0.3
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	18	0.3
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	18	0.3
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	18	0.3
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	18	0.3
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	18	0.3
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	18	0.3
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	18	0.3
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	18	0.3
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	18	0.3
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	5	0.3
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	5	0.3
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	12	0.3
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	12	0.3
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	12	0.3
(1,479)	1:462:A:ALA:HB1	1:463:A:ILE:H	18	0.3
(1,479)	1:462:A:ALA:HB2	1:463:A:ILE:H	18	0.3
(1,479)	1:462:A:ALA:HB3	1:463:A:ILE:H	18	0.3
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE2	4	0.3
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE3	4	0.3
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	14	0.3
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	14	0.3
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	14	0.3
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	14	0.3
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD2	16	0.3
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD3	16	0.3
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	5	0.3
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	5	0.3
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG2	13	0.3
(1,453)	1:439:A:ASP:HB3	1:440:A:LYS:HG3	13	0.3
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	1	0.3
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	3	0.3
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	17	0.3
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	2	0.3
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	2	0.3
(1,431)	1:432:A:ILE:HB	1:433:A:SER:HB2	9	0.3
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	1	0.3
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	1	0.3
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	1	0.3
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	15	0.3
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	15	0.3
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	15	0.3
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	1	0.3
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	9	0.3
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	10	0.3
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	10	0.3
(1,395)	1:405:A:ALA:HB1	1:452:A:SER:HB2	18	0.3
(1,395)	1:405:A:ALA:HB2	1:452:A:SER:HB2	18	0.3
(1,395)	1:405:A:ALA:HB3	1:452:A:SER:HB2	18	0.3
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	12	0.3
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	1	0.3
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	1	0.3
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	1	0.3
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	1	0.3
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	1	0.3
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	1	0.3
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	1	0.3
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	1	0.3
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	1	0.3
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	1	0.3
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	1	0.3
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	1	0.3
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	1	0.3
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	1	0.3
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	1	0.3
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	1	0.3
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	1	0.3
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	9	0.3
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	9	0.3
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	9	0.3
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	9	0.3
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	9	0.3
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	9	0.3
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	9	0.3
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	9	0.3
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	9	0.3
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	9	0.3
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	9	0.3
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	9	0.3
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	9	0.3
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	9	0.3
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	9	0.3
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	9	0.3
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	9	0.3
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	9	0.3
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	12	0.3
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	12	0.3
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	12	0.3
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	2	0.3
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	2	0.3
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	2	0.3
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	18	0.3
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	18	0.3
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	5	0.3
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	5	0.3
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	5	0.3
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	12	0.3
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	12	0.3
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	12	0.3
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	5	0.3
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	5	0.3
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	5	0.3
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	3	0.3
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	3	0.3
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	3	0.3
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	9	0.3
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	9	0.3
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	9	0.3
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	4	0.3
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	4	0.3
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	4	0.3
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	4	0.3
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	4	0.3
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	4	0.3
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	16	0.3
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	16	0.3
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	16	0.3
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	16	0.3
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	16	0.3
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	16	0.3
(1,322)	1:442:A:THR:HG21	1:444:A:LEU:HB3	9	0.3
(1,322)	1:442:A:THR:HG22	1:444:A:LEU:HB3	9	0.3
(1,322)	1:442:A:THR:HG23	1:444:A:LEU:HB3	9	0.3
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	7	0.3
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	10	0.3
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	12	0.3
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	2	0.3
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	13	0.3
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	17	0.3
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	5	0.3
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	5	0.3
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	8	0.3
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	8	0.3
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	20	0.3
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	5	0.3
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	2	0.3
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	9	0.3
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	18	0.3
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	5	0.3
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	5	0.3
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	5	0.3
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	8	0.3
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	8	0.3
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	8	0.3
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG11	4	0.3
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG12	4	0.3
(1,252)	1:425:A:PHE:HD1	1:478:A:VAL:HG13	4	0.3
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG11	4	0.3
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG12	4	0.3
(1,252)	1:425:A:PHE:HD2	1:478:A:VAL:HG13	4	0.3
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	12	0.3
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	12	0.3
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	12	0.3
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	20	0.3
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	20	0.3
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	20	0.3
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	5	0.3
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	5	0.3
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	5	0.3
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	6	0.3
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	6	0.3
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	6	0.3
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	7	0.3
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	7	0.3
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	7	0.3
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	16	0.3
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	16	0.3
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	16	0.3
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	16	0.3
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	16	0.3
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	16	0.3
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	4	0.3
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	4	0.3
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	4	0.3
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	4	0.3
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	4	0.3
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	10	0.3
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	10	0.3
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	10	0.3
(1,184)	1:404:A:GLY:HA3	1:456:A:PRO:HB2	1	0.3
(1,184)	1:404:A:GLY:HA3	1:456:A:PRO:HB2	6	0.3
(1,176)	1:431:A:VAL:HG11	1:433:A:SER:H	10	0.3
(1,176)	1:431:A:VAL:HG12	1:433:A:SER:H	10	0.3
(1,176)	1:431:A:VAL:HG13	1:433:A:SER:H	10	0.3
(1,169)	1:457:A:VAL:HG11	1:460:A:GLN:HE21	17	0.3
(1,169)	1:457:A:VAL:HG12	1:460:A:GLN:HE21	17	0.3
(1,169)	1:457:A:VAL:HG13	1:460:A:GLN:HE21	17	0.3
(1,169)	1:457:A:VAL:HG21	1:460:A:GLN:HE21	17	0.3
(1,169)	1:457:A:VAL:HG22	1:460:A:GLN:HE21	17	0.3
(1,169)	1:457:A:VAL:HG23	1:460:A:GLN:HE21	17	0.3
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	11	0.3
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	11	0.3
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	11	0.3
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	11	0.3
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	11	0.3
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	11	0.3
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	11	0.3
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	11	0.3
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	11	0.3
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	11	0.3
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	11	0.3
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	11	0.3
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	13	0.3
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	13	0.3
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	13	0.3
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	13	0.3
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	13	0.3
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	13	0.3
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	13	0.3
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	13	0.3
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	13	0.3
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	13	0.3
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	13	0.3
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	13	0.3
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	4	0.3
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	4	0.3
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	4	0.3
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	4	0.3
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	4	0.3
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	1	0.3
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	1	0.3
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	1	0.3
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	1	0.3
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	1	0.3
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	1	0.3
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	2	0.3
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	2	0.3
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	2	0.3
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	2	0.3
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	2	0.3
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	2	0.3
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	7	0.3
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	7	0.3
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	7	0.3
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	7	0.3
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	7	0.3
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	7	0.3
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	9	0.3
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	9	0.3
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	9	0.3
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	9	0.3
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	9	0.3
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	9	0.3
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	4	0.3
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	9	0.3
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	2	0.3
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	2	0.3
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	6	0.3
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	6	0.3
(1,70)	1:477:A:LYS:HG2	1:478:A:VAL:H	18	0.3
(1,70)	1:477:A:LYS:HG3	1:478:A:VAL:H	18	0.3
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	3	0.3
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	3	0.3
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	5	0.3
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	5	0.3
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	4	0.3
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	3	0.3
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	12	0.3
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	18	0.3
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	8	0.3
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	2	0.3
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	2	0.3
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	2	0.3
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	5	0.3
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	5	0.3
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	5	0.3
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	3	0.3
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	3	0.3
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	5	0.3
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	5	0.3
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD1	3	0.3
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD2	3	0.3
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG2	19	0.29
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG3	19	0.29
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG2	19	0.29
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG3	19	0.29
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	15	0.29
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	15	0.29
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	17	0.29
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	17	0.29
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	5	0.29
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	5	0.29
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	5	0.29
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	5	0.29
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	5	0.29
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	5	0.29
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	12	0.29
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	12	0.29
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	12	0.29
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	12	0.29
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	12	0.29
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	12	0.29
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	15	0.29
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	15	0.29
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	15	0.29
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	15	0.29
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	15	0.29
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	15	0.29
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	15	0.29
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	15	0.29
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	15	0.29
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	15	0.29
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	15	0.29
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	8	0.29
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	8	0.29
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	10	0.29
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	10	0.29
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	17	0.29
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	17	0.29
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	19	0.29
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	19	0.29
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	8	0.29
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	8	0.29
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	2	0.29
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	2	0.29
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	2	0.29
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	2	0.29
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	2	0.29
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	2	0.29
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	13	0.29
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	13	0.29
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	13	0.29
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	13	0.29
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	13	0.29
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	13	0.29
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD1	1	0.29
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD2	1	0.29
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD1	5	0.29
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD2	5	0.29
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD1	10	0.29
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD2	10	0.29
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD1	10	0.29
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD2	10	0.29
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD1	17	0.29
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD2	17	0.29
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD1	20	0.29
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD2	20	0.29
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	4	0.29
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	4	0.29
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	4	0.29
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	4	0.29
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	4	0.29
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	4	0.29
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	4	0.29
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	4	0.29
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	4	0.29
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	4	0.29
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	4	0.29
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	3	0.29
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	3	0.29
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD1	16	0.29
(1,2349)	1:425:A:PHE:HA	1:425:A:PHE:HD2	16	0.29
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD1	12	0.29
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD2	12	0.29
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD1	14	0.29
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD2	14	0.29
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	5	0.29
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	5	0.29
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	5	0.29
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	5	0.29
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	13	0.29
(1,2328)	1:428:A:PHE:H	1:429:A:GLY:H	14	0.29
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	14	0.29
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	5	0.29
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	5	0.29
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	18	0.29
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	18	0.29
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB2	18	0.29
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB3	18	0.29
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB2	19	0.29
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB3	19	0.29
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	20	0.29
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	20	0.29
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	2	0.29
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	4	0.29
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	9	0.29
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	11	0.29
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	17	0.29
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	18	0.29
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	3	0.29
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	3	0.29
(1,2246)	1:445:A:SER:HB2	1:479:A:GLN:HE21	10	0.29
(1,2241)	1:445:A:SER:HB2	1:479:A:GLN:HE22	5	0.29
(1,2241)	1:445:A:SER:HB2	1:479:A:GLN:HE22	13	0.29
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	9	0.29
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	20	0.29
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	7	0.29
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	1	0.29
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	1	0.29
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	15	0.29
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	15	0.29
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	16	0.29
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	6	0.29
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	17	0.29
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	2	0.29
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	13	0.29
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	15	0.29
(1,2147)	1:406:A:ASN:H	1:406:A:ASN:HD22	14	0.29
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	8	0.29
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	8	0.29
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	6	0.29
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	19	0.29
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	1	0.29
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	9	0.29
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	20	0.29
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	9	0.29
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	9	0.29
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	14	0.29
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	19	0.29
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	7	0.29
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	10	0.29
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	17	0.29
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	18	0.29
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	16	0.29
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	2	0.29
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	5	0.29
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	7	0.29
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	15	0.29
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	1	0.29
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	8	0.29
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	18	0.29
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	17	0.29
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	12	0.29
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	15	0.29
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB2	18	0.29
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB3	18	0.29
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	13	0.29
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	15	0.29
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	14	0.29
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	8	0.29
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	9	0.29
(1,1975)	1:470:A:GLN:HG2	1:475:A:ARG:H	20	0.29
(1,1975)	1:470:A:GLN:HG3	1:475:A:ARG:H	20	0.29
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	6	0.29
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	16	0.29
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	3	0.29
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	5	0.29
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	17	0.29
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE1	3	0.29
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE2	3	0.29
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	7	0.29
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	10	0.29
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	13	0.29
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	15	0.29
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	2	0.29
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	2	0.29
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	2	0.29
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	9	0.29
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	9	0.29
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	9	0.29
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	17	0.29
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	17	0.29
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	17	0.29
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	3	0.29
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	3	0.29
(1,1922)	1:452:A:SER:HB3	1:453:A:TYR:H	13	0.29
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	4	0.29
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	14	0.29
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	14	0.29
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	14	0.29
(1,1911)	1:400:A:GLU:H	1:433:A:SER:HB3	6	0.29
(1,1911)	1:400:A:GLU:H	1:433:A:SER:HB3	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	1	0.29
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	1	0.29
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	16	0.29
(1,1901)	1:418:A:ASP:H	1:418:A:ASP:HB3	6	0.29
(1,1901)	1:418:A:ASP:H	1:418:A:ASP:HB3	19	0.29
(1,1898)	1:417:A:GLY:HA3	1:418:A:ASP:H	14	0.29
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	19	0.29
(1,1884)	1:462:A:ALA:H	1:463:A:ILE:H	16	0.29
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	12	0.29
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	20	0.29
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	8	0.29
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	13	0.29
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	18	0.29
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	6	0.29
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	6	0.29
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	11	0.29
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	11	0.29
(1,1867)	1:418:A:ASP:HB2	1:436:A:VAL:H	15	0.29
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	7	0.29
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	11	0.29
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	13	0.29
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	11	0.29
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	11	0.29
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	17	0.29
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	17	0.29
(1,1850)	1:399:A:LYS:H	1:433:A:SER:HB2	9	0.29
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	17	0.29
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	4	0.29
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	5	0.29
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	12	0.29
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	15	0.29
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	6	0.29
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	6	0.29
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	6	0.29
(1,1816)	1:469:A:PHE:H	1:469:A:PHE:HB3	4	0.29
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	12	0.29
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	15	0.29
(1,1807)	1:475:A:ARG:HA	1:476:A:LEU:H	16	0.29
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	4	0.29
(1,1793)	1:478:A:VAL:HA	1:479:A:GLN:H	16	0.29
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	13	0.29
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB2	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1777)	1:434:A:ALA:H	1:435:A:LYS:HB3	5	0.29
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	17	0.29
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	17	0.29
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	17	0.29
(1,1752)	1:438:A:ILE:H	1:439:A:ASP:H	16	0.29
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	7	0.29
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	14	0.29
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	15	0.29
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	20	0.29
(1,1726)	1:432:A:ILE:H	1:453:A:TYR:HA	3	0.29
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	10	0.29
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	10	0.29
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	10	0.29
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	16	0.29
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	16	0.29
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	16	0.29
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	8	0.29
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	8	0.29
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	20	0.29
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	20	0.29
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	19	0.29
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	19	0.29
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	19	0.29
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	19	0.29
(1,1702)	1:402:A:PRO:HG2	1:456:A:PRO:HA	3	0.29
(1,1702)	1:402:A:PRO:HG2	1:456:A:PRO:HA	10	0.29
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB2	20	0.29
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB3	20	0.29
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	16	0.29
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	15	0.29
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	15	0.29
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	3	0.29
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	3	0.29
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD11	17	0.29
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD12	17	0.29
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD13	17	0.29
(1,1669)	1:455:A:ASN:HB3	1:456:A:PRO:HG2	17	0.29
(1,1669)	1:455:A:ASN:HB3	1:456:A:PRO:HG3	17	0.29
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	5	0.29
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	5	0.29
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB1	11	0.29
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB2	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1658)	1:427:A:PRO:HG3	1:465:A:ALA:HB3	11	0.29
(1,1657)	1:419:A:GLN:HB2	1:422:A:LEU:HB2	4	0.29
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	17	0.29
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	17	0.29
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	2	0.29
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	14	0.29
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	3	0.29
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	6	0.29
(1,1630)	1:405:A:ALA:HA	1:452:A:SER:HA	12	0.29
(1,1630)	1:405:A:ALA:HA	1:452:A:SER:HA	18	0.29
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	9	0.29
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	16	0.29
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	5	0.29
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	2	0.29
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	2	0.29
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	12	0.29
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	12	0.29
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	4	0.29
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	4	0.29
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	7	0.29
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	7	0.29
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	13	0.29
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	9	0.29
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	9	0.29
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	2	0.29
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	2	0.29
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	2	0.29
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	10	0.29
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	10	0.29
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	10	0.29
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	2	0.29
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	5	0.29
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	17	0.29
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	18	0.29
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	5	0.29
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	9	0.29
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	14	0.29
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	14	0.29
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	14	0.29
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	3	0.29
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	3	0.29
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	9	0.29
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	9	0.29
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	9	0.29
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	19	0.29
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	19	0.29
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	19	0.29
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	19	0.29
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	19	0.29
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	1	0.29
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	1	0.29
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	1	0.29
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	13	0.29
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	13	0.29
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	13	0.29
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	3	0.29
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	1	0.29
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	1	0.29
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	1	0.29
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	1	0.29
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	9	0.29
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	9	0.29
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	9	0.29
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	9	0.29
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	5	0.29
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	15	0.29
(1,1490)	1:481:A:LYS:HA	1:481:A:LYS:HD2	18	0.29
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	13	0.29
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	17	0.29
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	17	0.29
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	17	0.29
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	17	0.29
(1,1426)	1:485:A:ASN:HB2	1:486:A:ASP:HA	9	0.29
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	3	0.29
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	3	0.29
(1,1418)	1:413:A:PRO:HB2	1:475:A:ARG:HA	20	0.29
(1,1418)	1:413:A:PRO:HB3	1:475:A:ARG:HA	20	0.29
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	17	0.29
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	7	0.29
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	7	0.29
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	3	0.29
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	3	0.29
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	16	0.29
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE1	4	0.29
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE2	4	0.29
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE1	4	0.29
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE2	4	0.29
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	5	0.29
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	13	0.29
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	20	0.29
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	6	0.29
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	6	0.29
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	6	0.29
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	7	0.29
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	7	0.29
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	7	0.29
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	9	0.29
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	13	0.29
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	13	0.29
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	13	0.29
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	13	0.29
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	13	0.29
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	13	0.29
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	13	0.29
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	1	0.29
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	1	0.29
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	1	0.29
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	1	0.29
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	1	0.29
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	1	0.29
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB1	20	0.29
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB2	20	0.29
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB3	20	0.29
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	7	0.29
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	7	0.29
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	7	0.29
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	7	0.29
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	3	0.29
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	3	0.29
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	8	0.29
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	6	0.29
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	17	0.29
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	17	0.29
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	8	0.29
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	11	0.29
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	11	0.29
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	11	0.29
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	11	0.29
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	6	0.29
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	16	0.29
(1,1302)	1:472:A:GLY:HA3	1:473:A:MET:HG3	15	0.29
(1,1282)	1:398:A:GLN:HA	1:398:A:GLN:HG3	16	0.29
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	1	0.29
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	3	0.29
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	19	0.29
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	1	0.29
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	1	0.29
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	8	0.29
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	8	0.29
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	17	0.29
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	17	0.29
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	10	0.29
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	3	0.29
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	5	0.29
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	8	0.29
(1,1264)	1:405:A:ALA:HB1	1:456:A:PRO:HB3	6	0.29
(1,1264)	1:405:A:ALA:HB2	1:456:A:PRO:HB3	6	0.29
(1,1264)	1:405:A:ALA:HB3	1:456:A:PRO:HB3	6	0.29
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	16	0.29
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	17	0.29
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	13	0.29
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG2	2	0.29
(1,1245)	1:482:A:ARG:HA	1:482:A:ARG:HG3	2	0.29
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	7	0.29
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	12	0.29
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE2	17	0.29
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE3	17	0.29
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	12	0.29
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	12	0.29
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	11	0.29
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	11	0.29
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	15	0.29
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	15	0.29
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	2	0.29
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	12	0.29
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	12	0.29
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	18	0.29
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	18	0.29
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	20	0.29
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	20	0.29
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG2	6	0.29
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG3	6	0.29
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	8	0.29
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	12	0.29
(1,1168)	1:398:A:GLN:H	1:398:A:GLN:HG2	18	0.29
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	6	0.29
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	6	0.29
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	10	0.29
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	10	0.29
(1,1147)	1:483:A:SER:HB2	1:484:A:LYS:HA	2	0.29
(1,1147)	1:483:A:SER:HB3	1:484:A:LYS:HA	2	0.29
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	2	0.29
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	8	0.29
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	8	0.29
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	4	0.29
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	6	0.29
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	12	0.29
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG21	14	0.29
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG22	14	0.29
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG23	14	0.29
(1,1085)	1:440:A:LYS:HG2	1:441:A:GLN:HG3	3	0.29
(1,1085)	1:440:A:LYS:HG3	1:441:A:GLN:HG3	3	0.29
(1,1077)	1:441:A:GLN:HA	1:441:A:GLN:HG3	17	0.29
(1,1077)	1:441:A:GLN:HA	1:441:A:GLN:HG3	20	0.29
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	1	0.29
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	1	0.29
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	10	0.29
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	10	0.29
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	10	0.29
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	11	0.29
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	11	0.29
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	16	0.29
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	16	0.29
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	20	0.29
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	20	0.29
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	10	0.29
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	12	0.29
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	16	0.29
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB2	8	0.29
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB3	8	0.29
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	6	0.29
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	6	0.29
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	18	0.29
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	18	0.29
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG2	20	0.29
(1,1008)	1:464:A:GLN:HA	1:464:A:GLN:HG3	20	0.29
(1,982)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	3	0.29
(1,982)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	3	0.29
(1,982)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	3	0.29
(1,982)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	5	0.29
(1,982)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	5	0.29
(1,982)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	5	0.29
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	3	0.29
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	3	0.29
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	3	0.29
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	15	0.29
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	15	0.29
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	15	0.29
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	20	0.29
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	20	0.29
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	20	0.29
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	8	0.29
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	8	0.29
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	8	0.29
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	17	0.29
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	17	0.29
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	17	0.29
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	17	0.29
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	17	0.29
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	17	0.29
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	17	0.29
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	17	0.29
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	8	0.29
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	8	0.29
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	9	0.29
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	9	0.29
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	11	0.29
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	20	0.29
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	20	0.29
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD1	1	0.29
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD2	1	0.29
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD1	2	0.29
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD2	2	0.29
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD1	16	0.29
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD2	16	0.29
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	15	0.29
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	15	0.29
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	15	0.29
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	15	0.29
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	11	0.29
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	11	0.29
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	1	0.29
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	8	0.29
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	12	0.29
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	12	0.29
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	7	0.29
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	7	0.29
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	7	0.29
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	1	0.29
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	10	0.29
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	4	0.29
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	4	0.29
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	4	0.29
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	7	0.29
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	7	0.29
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	7	0.29
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	9	0.29
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	9	0.29
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	9	0.29
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	7	0.29
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	7	0.29
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	7	0.29
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	12	0.29
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	12	0.29
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	12	0.29
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	15	0.29
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	15	0.29
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	13	0.29
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	13	0.29
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	13	0.29
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	14	0.29
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	14	0.29
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	14	0.29
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	8	0.29
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	8	0.29
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	18	0.29
(1,851)	1:399:A:LYS:HD2	1:432:A:ILE:HB	9	0.29
(1,851)	1:399:A:LYS:HD3	1:432:A:ILE:HB	9	0.29
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	19	0.29
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	19	0.29
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	19	0.29
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	8	0.29
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	8	0.29
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	8	0.29
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	5	0.29
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	6	0.29
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	8	0.29
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	10	0.29
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	1	0.29
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	1	0.29
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	2	0.29
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	2	0.29
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	4	0.29
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	4	0.29
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	16	0.29
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	16	0.29
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	16	0.29
(1,800)	1:442:A:THR:HA	1:443:A:ASN:HB3	11	0.29
(1,800)	1:442:A:THR:HA	1:443:A:ASN:HB3	18	0.29
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	3	0.29
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	3	0.29
(1,789)	1:485:A:ASN:HB3	1:486:A:ASP:H	6	0.29
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	18	0.29
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	20	0.29
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	20	0.29
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	20	0.29
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG11	18	0.29
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG12	18	0.29
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG13	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE1	3	0.29
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE2	3	0.29
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE1	17	0.29
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE2	17	0.29
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	1	0.29
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	5	0.29
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	16	0.29
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	7	0.29
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	5	0.29
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	2	0.29
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	13	0.29
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	13	0.29
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	13	0.29
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	18	0.29
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	18	0.29
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	18	0.29
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	17	0.29
(1,665)	1:418:A:ASP:H	1:420:A:ASP:HB3	1	0.29
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	7	0.29
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	7	0.29
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	7	0.29
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	7	0.29
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	7	0.29
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	7	0.29
(1,634)	1:488:A:LYS:HB2	1:489:A:PRO:HA	18	0.29
(1,634)	1:488:A:LYS:HB3	1:489:A:PRO:HA	18	0.29
(1,622)	1:402:A:PRO:HD2	1:454:A:ASP:HB3	11	0.29
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB2	4	0.29
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB3	4	0.29
(1,611)	1:410:A:TYR:HB3	1:411:A:HIS:HD2	19	0.29
(1,609)	1:410:A:TYR:HB3	1:411:A:HIS:HA	19	0.29
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	19	0.29
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	19	0.29
(1,589)	1:486:A:ASP:H	1:486:A:ASP:HB3	10	0.29
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	7	0.29
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	7	0.29
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	7	0.29
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	10	0.29
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	10	0.29
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	10	0.29
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	1	0.29
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	1	0.29
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	1	0.29
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	1	0.29
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	1	0.29
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	1	0.29
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	1	0.29
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	1	0.29
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	8	0.29
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	8	0.29
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	8	0.29
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	8	0.29
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	8	0.29
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	8	0.29
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	8	0.29
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	8	0.29
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	8	0.29
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	14	0.29
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	14	0.29
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	14	0.29
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	18	0.29
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	15	0.29
(1,537)	1:455:A:ASN:HB3	1:457:A:VAL:HB	5	0.29
(1,524)	1:406:A:ASN:H	1:456:A:PRO:HA	10	0.29
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	6	0.29
(1,508)	1:435:A:LYS:HE2	1:450:A:PHE:HB3	9	0.29
(1,508)	1:435:A:LYS:HE3	1:450:A:PHE:HB3	9	0.29
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	1	0.29
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	1	0.29
(1,500)	1:440:A:LYS:HE2	1:441:A:GLN:HG2	17	0.29
(1,500)	1:440:A:LYS:HE3	1:441:A:GLN:HG2	17	0.29
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	1	0.29
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	1	0.29
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	1	0.29
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	1	0.29
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	1	0.29
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	1	0.29
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	1	0.29
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	1	0.29
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	1	0.29
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	1	0.29
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	1	0.29
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	19	0.29
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	19	0.29
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	19	0.29
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	19	0.29
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	19	0.29
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	19	0.29
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	19	0.29
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	19	0.29
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	19	0.29
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	19	0.29
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	19	0.29
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	19	0.29
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	13	0.29
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	13	0.29
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE2	11	0.29
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE3	11	0.29
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE2	16	0.29
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE3	16	0.29
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	13	0.29
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	13	0.29
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	13	0.29
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	13	0.29
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD2	3	0.29
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD3	3	0.29
(1,448)	1:438:A:ILE:HB	1:439:A:ASP:HB2	16	0.29
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	13	0.29
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	16	0.29
(1,441)	1:433:A:SER:HB3	1:452:A:SER:HB3	5	0.29
(1,426)	1:433:A:SER:HB2	1:452:A:SER:HB3	16	0.29
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	1	0.29
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	4	0.29
(1,404)	1:468:A:GLY:HA3	1:475:A:ARG:HD3	2	0.29
(1,404)	1:468:A:GLY:HA3	1:475:A:ARG:HD3	7	0.29
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB2	5	0.29
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB3	5	0.29
(1,393)	1:457:A:VAL:HA	1:459:A:ALA:H	13	0.29
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	14	0.29
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	20	0.29
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	20	0.29
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	20	0.29
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	20	0.29
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	20	0.29
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	20	0.29
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	20	0.29
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	20	0.29
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	2	0.29
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	2	0.29
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	2	0.29
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	5	0.29
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	5	0.29
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	5	0.29
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	8	0.29
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	8	0.29
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	8	0.29
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	4	0.29
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	4	0.29
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	4	0.29
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	11	0.29
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	11	0.29
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	11	0.29
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	11	0.29
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	11	0.29
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	11	0.29
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	16	0.29
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	16	0.29
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	6	0.29
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	14	0.29
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	14	0.29
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	14	0.29
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	6	0.29
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	6	0.29
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	6	0.29
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG11	14	0.29
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG12	14	0.29
(1,256)	1:467:A:ASN:HA	1:478:A:VAL:HG13	14	0.29
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	13	0.29
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	13	0.29
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	13	0.29
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	13	0.29
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	13	0.29
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	13	0.29
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	17	0.29
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	17	0.29
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	20	0.29
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	20	0.29
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	20	0.29
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	1	0.29
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	1	0.29
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	1	0.29
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	8	0.29
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	8	0.29
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	8	0.29
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	8	0.29
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	8	0.29
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	8	0.29
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	13	0.29
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	13	0.29
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	13	0.29
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	13	0.29
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	13	0.29
(1,216)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	13	0.29
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	9	0.29
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	9	0.29
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	9	0.29
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG11	13	0.29
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG12	13	0.29
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG13	13	0.29
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG21	13	0.29
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG22	13	0.29
(1,205)	1:457:A:VAL:H	1:457:A:VAL:HG23	13	0.29
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG21	18	0.29
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG22	18	0.29
(1,187)	1:436:A:VAL:H	1:436:A:VAL:HG23	18	0.29
(1,184)	1:404:A:GLY:HA3	1:456:A:PRO:HB2	7	0.29
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	4	0.29
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	4	0.29
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	4	0.29
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	19	0.29
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	19	0.29
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	19	0.29
(1,176)	1:431:A:VAL:HG11	1:433:A:SER:H	20	0.29
(1,176)	1:431:A:VAL:HG12	1:433:A:SER:H	20	0.29
(1,176)	1:431:A:VAL:HG13	1:433:A:SER:H	20	0.29
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	4	0.29
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	4	0.29
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	4	0.29
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	4	0.29
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	4	0.29
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	4	0.29
(1,117)	1:442:A:THR:HG21	1:444:A:LEU:HG	7	0.29
(1,117)	1:442:A:THR:HG22	1:444:A:LEU:HG	7	0.29
(1,117)	1:442:A:THR:HG23	1:444:A:LEU:HG	7	0.29
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD11	3	0.29
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD12	3	0.29
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD13	3	0.29
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD21	3	0.29
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD22	3	0.29
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD23	3	0.29
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	8	0.29
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	8	0.29
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	8	0.29
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	8	0.29
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	8	0.29
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	8	0.29
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	7	0.29
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	7	0.29
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	7	0.29
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	7	0.29
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	7	0.29
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	7	0.29
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	10	0.29
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	10	0.29
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	10	0.29
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	10	0.29
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	10	0.29
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	10	0.29
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	16	0.29
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	16	0.29
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	16	0.29
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	16	0.29
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	16	0.29
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	16	0.29
(1,92)	1:472:A:GLY:HA3	1:473:A:MET:HA	5	0.29
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	10	0.29
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	10	0.29
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	10	0.29
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	10	0.29
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	10	0.29
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	11	0.29
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	11	0.29
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	11	0.29
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	11	0.29
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	11	0.29
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	11	0.29
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	16	0.29
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	16	0.29
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	16	0.29
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	16	0.29
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	16	0.29
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	16	0.29
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	9	0.29
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	9	0.29
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	4	0.29
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	4	0.29
(1,57)	1:474:A:LYS:HG3	1:475:A:ARG:H	6	0.29
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	4	0.29
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	4	0.29
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	4	0.29
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	4	0.29
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	4	0.29
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	4	0.29
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	4	0.29
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	4	0.29
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	4	0.29
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	4	0.29
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	4	0.29
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	4	0.29
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	4	0.29
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	4	0.29
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	4	0.29
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	4	0.29
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	4	0.29
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	4	0.29
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	16	0.29
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	11	0.29
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	11	0.29
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	11	0.29
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	11	0.29
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	11	0.29
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	15	0.29
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	15	0.29
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	15	0.29
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	15	0.29
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	15	0.29
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	15	0.29
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	9	0.29
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	6	0.29
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	6	0.29
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	6	0.29
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	20	0.29
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	20	0.29
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	20	0.29
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	18	0.29
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	18	0.29
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD1	2	0.29
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD2	2	0.29
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD1	7	0.29
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD2	7	0.29
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	7	0.28
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	7	0.28
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	7	0.28
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	7	0.28
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	7	0.28
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	7	0.28
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	16	0.28
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	16	0.28
(1,2415)	1:416:A:PHE:HD1	1:421:A:ILE:HG12	19	0.28
(1,2415)	1:416:A:PHE:HD2	1:421:A:ILE:HG12	19	0.28
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE1	12	0.28
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE2	12	0.28
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	16	0.28
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	16	0.28
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	16	0.28
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	16	0.28
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	16	0.28
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	16	0.28
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	4	0.28
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD1	11	0.28
(1,2385)	1:450:A:PHE:HA	1:450:A:PHE:HD2	11	0.28
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	9	0.28
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	9	0.28
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	9	0.28
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	9	0.28
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	9	0.28
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	9	0.28
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	2	0.28
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	2	0.28
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD1	3	0.28
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD2	3	0.28
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD1	7	0.28
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD2	7	0.28
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD1	12	0.28
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD2	12	0.28
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	10	0.28
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	10	0.28
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	10	0.28
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	10	0.28
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	8	0.28
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	20	0.28
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	2	0.28
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	7	0.28
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	15	0.28
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	8	0.28
(1,2286)	1:456:A:PRO:HB2	1:460:A:GLN:HE22	9	0.28
(1,2285)	1:463:A:ILE:HG21	1:464:A:GLN:HE21	1	0.28
(1,2285)	1:463:A:ILE:HG22	1:464:A:GLN:HE21	1	0.28
(1,2285)	1:463:A:ILE:HG23	1:464:A:GLN:HE21	1	0.28
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	10	0.28
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	10	0.28
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	14	0.28
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	14	0.28
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	20	0.28
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	20	0.28
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	16	0.28
(1,2273)	1:459:A:ALA:H	1:460:A:GLN:HE22	20	0.28
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	10	0.28
(1,2248)	1:444:A:LEU:HB2	1:479:A:GLN:HE21	14	0.28
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	12	0.28
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	18	0.28
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	19	0.28
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	15	0.28
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	3	0.28
(1,2211)	1:430:A:ASN:HD22	1:454:A:ASP:HB3	11	0.28
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	2	0.28
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	3	0.28
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	14	0.28
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	3	0.28
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	3	0.28
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	3	0.28
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	3	0.28
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	3	0.28
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	3	0.28
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD11	16	0.28
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD12	16	0.28
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD13	16	0.28
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD21	16	0.28
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD22	16	0.28
(1,2183)	1:412:A:LEU:H	1:412:A:LEU:HD23	16	0.28
(1,2164)	1:455:A:ASN:HD22	1:457:A:VAL:HB	13	0.28
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	3	0.28
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	15	0.28
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	19	0.28
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	19	0.28
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	8	0.28
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	14	0.28
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	4	0.28
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	5	0.28
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	9	0.28
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	10	0.28
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	19	0.28
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	16	0.28
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	16	0.28
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	4	0.28
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	11	0.28
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	12	0.28
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	13	0.28
(1,2105)	1:420:A:ASP:HB3	1:421:A:ILE:H	13	0.28
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	4	0.28
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	12	0.28
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	19	0.28
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	2	0.28
(1,2087)	1:443:A:ASN:H	1:443:A:ASN:HA	18	0.28
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	8	0.28
(1,2079)	1:465:A:ALA:H	1:466:A:MET:H	15	0.28
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	11	0.28
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	11	0.28
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	11	0.28
(1,2061)	1:429:A:GLY:HA2	1:430:A:ASN:H	18	0.28
(1,2049)	1:406:A:ASN:HA	1:406:A:ASN:HD22	14	0.28
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	4	0.28
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	12	0.28
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	1	0.28
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	5	0.28
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	7	0.28
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	10	0.28
(1,1995)	1:402:A:PRO:HB2	1:403:A:GLU:H	14	0.28
(1,1995)	1:402:A:PRO:HB3	1:403:A:GLU:H	14	0.28
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	1	0.28
(1,1991)	1:451:A:VAL:HA	1:452:A:SER:H	13	0.28
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	10	0.28
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	19	0.28
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	19	0.28
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	10	0.28
(1,1970)	1:475:A:ARG:H	1:476:A:LEU:H	16	0.28
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	13	0.28
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	9	0.28
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	9	0.28
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	10	0.28
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	6	0.28
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	9	0.28
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	6	0.28
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	15	0.28
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	16	0.28
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	1	0.28
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	1	0.28
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	1	0.28
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	10	0.28
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	10	0.28
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	10	0.28
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	11	0.28
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	11	0.28
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	16	0.28
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	16	0.28
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	16	0.28
(1,1925)	1:452:A:SER:HB2	1:453:A:TYR:H	17	0.28
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	8	0.28
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	8	0.28
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	8	0.28
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	18	0.28
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	3	0.28
(1,1906)	1:435:A:LYS:HE2	1:438:A:ILE:H	12	0.28
(1,1906)	1:435:A:LYS:HE3	1:438:A:ILE:H	12	0.28
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	6	0.28
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	9	0.28
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	12	0.28
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	13	0.28
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	15	0.28
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	20	0.28
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	3	0.28
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	4	0.28
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	2	0.28
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	2	0.28
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	10	0.28
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	10	0.28
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	11	0.28
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	16	0.28
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	16	0.28
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	6	0.28
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	12	0.28
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	16	0.28
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	16	0.28
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	19	0.28
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	19	0.28
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	18	0.28
(1,1816)	1:469:A:PHE:H	1:469:A:PHE:HB3	14	0.28
(1,1815)	1:469:A:PHE:H	1:476:A:LEU:HA	16	0.28
(1,1801)	1:410:A:TYR:HB2	1:477:A:LYS:H	15	0.28
(1,1801)	1:410:A:TYR:HB2	1:477:A:LYS:H	16	0.28
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	9	0.28
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	10	0.28
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	3	0.28
(1,1786)	1:409:A:ILE:HA	1:477:A:LYS:H	9	0.28
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	5	0.28
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	5	0.28
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	3	0.28
(1,1757)	1:471:A:ILE:H	1:474:A:LYS:H	1	0.28
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	13	0.28
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	9	0.28
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	17	0.28
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	20	0.28
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	11	0.28
(1,1732)	1:424:A:MET:H	1:426:A:MET:H	15	0.28
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	2	0.28
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	2	0.28
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	2	0.28
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	6	0.28
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	6	0.28
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	18	0.28
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	18	0.28
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	18	0.28
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	18	0.28
(1,1693)	1:432:A:ILE:HG12	1:433:A:SER:H	19	0.28
(1,1693)	1:432:A:ILE:HG13	1:433:A:SER:H	19	0.28
(1,1679)	1:402:A:PRO:HG2	1:455:A:ASN:HB3	15	0.28
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	1	0.28
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	15	0.28
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	19	0.28
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	10	0.28
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	10	0.28
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	16	0.28
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	16	0.28
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	3	0.28
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	3	0.28
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	18	0.28
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	18	0.28
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG2	5	0.28
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG3	5	0.28
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG2	5	0.28
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG3	5	0.28
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	4	0.28
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	4	0.28
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	10	0.28
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	14	0.28
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	14	0.28
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	18	0.28
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	18	0.28
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	18	0.28
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	13	0.28
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	3	0.28
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	3	0.28
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	10	0.28
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	10	0.28
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	19	0.28
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	19	0.28
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	12	0.28
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	12	0.28
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD1	11	0.28
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD2	11	0.28
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD1	11	0.28
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD2	11	0.28
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	2	0.28
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	18	0.28
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	1	0.28
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	9	0.28
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	13	0.28
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	13	0.28
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	13	0.28
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	14	0.28
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	7	0.28
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	7	0.28
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	7	0.28
(1,1542)	1:416:A:PHE:HE1	1:421:A:ILE:HG12	1	0.28
(1,1542)	1:416:A:PHE:HE2	1:421:A:ILE:HG12	1	0.28
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	10	0.28
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	10	0.28
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	10	0.28
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	10	0.28
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	12	0.28
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	12	0.28
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	12	0.28
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	12	0.28
(1,1532)	1:440:A:LYS:HD2	1:441:A:GLN:HB2	5	0.28
(1,1532)	1:440:A:LYS:HD3	1:441:A:GLN:HB2	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1531)	1:402:A:PRO:HD2	1:456:A:PRO:HD2	20	0.28
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	12	0.28
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	17	0.28
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	5	0.28
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	9	0.28
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	17	0.28
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	10	0.28
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	10	0.28
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	10	0.28
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	13	0.28
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	13	0.28
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	13	0.28
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	16	0.28
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	16	0.28
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	16	0.28
(1,1439)	1:418:A:ASP:HB2	1:435:A:LYS:HA	4	0.28
(1,1439)	1:418:A:ASP:HB2	1:435:A:LYS:HA	6	0.28
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	15	0.28
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	15	0.28
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	3	0.28
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	13	0.28
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	1	0.28
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	2	0.28
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	2	0.28
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	9	0.28
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	9	0.28
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	11	0.28
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	11	0.28
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	1	0.28
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	10	0.28
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	7	0.28
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	16	0.28
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	16	0.28
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	16	0.28
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	16	0.28
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	16	0.28
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	16	0.28
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	16	0.28
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	16	0.28
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	16	0.28
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	16	0.28
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	16	0.28
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	19	0.28
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	19	0.28
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	19	0.28
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	19	0.28
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	19	0.28
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	19	0.28
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	19	0.28
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	19	0.28
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	19	0.28
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	19	0.28
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	19	0.28
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	19	0.28
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	14	0.28
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	14	0.28
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	14	0.28
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	14	0.28
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	14	0.28
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	14	0.28
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD2	13	0.28
(1,1358)	1:474:A:LYS:HA	1:474:A:LYS:HD3	13	0.28
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	3	0.28
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	3	0.28
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	3	0.28
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	3	0.28
(1,1331)	1:466:A:MET:HB2	1:468:A:GLY:H	12	0.28
(1,1331)	1:466:A:MET:HB3	1:468:A:GLY:H	12	0.28
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	5	0.28
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	5	0.28
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	5	0.28
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	11	0.28
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	11	0.28
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	11	0.28
(1,1328)	1:412:A:LEU:HD11	1:448:A:PHE:HA	17	0.28
(1,1328)	1:412:A:LEU:HD12	1:448:A:PHE:HA	17	0.28
(1,1328)	1:412:A:LEU:HD13	1:448:A:PHE:HA	17	0.28
(1,1328)	1:412:A:LEU:HD21	1:448:A:PHE:HA	17	0.28
(1,1328)	1:412:A:LEU:HD22	1:448:A:PHE:HA	17	0.28
(1,1328)	1:412:A:LEU:HD23	1:448:A:PHE:HA	17	0.28
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	1	0.28
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	1	0.28
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	1	0.28
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	5	0.28
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	5	0.28
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	5	0.28
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	5	0.28
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	10	0.28
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	10	0.28
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	10	0.28
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	10	0.28
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	16	0.28
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	16	0.28
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	16	0.28
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	16	0.28
(1,1309)	1:472:A:GLY:HA3	1:473:A:MET:HG2	9	0.28
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	20	0.28
(1,1264)	1:405:A:ALA:HB1	1:456:A:PRO:HB3	7	0.28
(1,1264)	1:405:A:ALA:HB2	1:456:A:PRO:HB3	7	0.28
(1,1264)	1:405:A:ALA:HB3	1:456:A:PRO:HB3	7	0.28
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	19	0.28
(1,1252)	1:431:A:VAL:HA	1:452:A:SER:HA	3	0.28
(1,1240)	1:469:A:PHE:HD1	1:470:A:GLN:HA	14	0.28
(1,1240)	1:469:A:PHE:HD2	1:470:A:GLN:HA	14	0.28
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG21	11	0.28
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG22	11	0.28
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG23	11	0.28
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	8	0.28
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	19	0.28
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	17	0.28
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	17	0.28
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	2	0.28
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	13	0.28
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	3	0.28
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	3	0.28
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	10	0.28
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	10	0.28
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	5	0.28
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	5	0.28
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	13	0.28
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	13	0.28
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	15	0.28
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	15	0.28
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	7	0.28
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	7	0.28
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	7	0.28
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	7	0.28
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	7	0.28
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG2	6	0.28
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG3	6	0.28
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	6	0.28
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	7	0.28
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	12	0.28
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	20	0.28
(1,1155)	1:418:A:ASP:H	1:419:A:GLN:HG2	9	0.28
(1,1155)	1:418:A:ASP:H	1:419:A:GLN:HG3	9	0.28
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG2	7	0.28
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG3	7	0.28
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	9	0.28
(1,1135)	1:484:A:LYS:HA	1:484:A:LYS:HE2	2	0.28
(1,1135)	1:484:A:LYS:HA	1:484:A:LYS:HE3	2	0.28
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	6	0.28
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	19	0.28
(1,1124)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	20	0.28
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	2	0.28
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	2	0.28
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	11	0.28
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	11	0.28
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	19	0.28
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	19	0.28
(1,1085)	1:440:A:LYS:HG2	1:441:A:GLN:HG3	19	0.28
(1,1085)	1:440:A:LYS:HG3	1:441:A:GLN:HG3	19	0.28
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	1	0.28
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	1	0.28
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	1	0.28
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	15	0.28
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	3	0.28
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	3	0.28
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	19	0.28
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	19	0.28
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	13	0.28
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	13	0.28
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	10	0.28
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	11	0.28
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB2	13	0.28
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB3	13	0.28
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	19	0.28
(1,1056)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	19	0.28
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	19	0.28
(1,1056)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	19	0.28
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	4	0.28
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	4	0.28
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	10	0.28
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	10	0.28
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	12	0.28
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	12	0.28
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	20	0.28
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	20	0.28
(1,1039)	1:441:A:GLN:HA	1:441:A:GLN:HE22	9	0.28
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	8	0.28
(1,1002)	1:435:A:LYS:HE2	1:437:A:PHE:HA	2	0.28
(1,1002)	1:435:A:LYS:HE3	1:437:A:PHE:HA	2	0.28
(1,998)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	15	0.28
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	9	0.28
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	7	0.28
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	7	0.28
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	7	0.28
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	9	0.28
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	9	0.28
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	9	0.28
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	11	0.28
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	11	0.28
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	11	0.28
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	14	0.28
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	14	0.28
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	14	0.28
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	3	0.28
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	3	0.28
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	3	0.28
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD11	19	0.28
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD12	19	0.28
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD13	19	0.28
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD11	19	0.28
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD12	19	0.28
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD13	19	0.28
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	19	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	19	0.28
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	19	0.28
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	19	0.28
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	19	0.28
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	19	0.28
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	2	0.28
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	2	0.28
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD1	13	0.28
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD2	13	0.28
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	18	0.28
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	12	0.28
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	12	0.28
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	12	0.28
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	6	0.28
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	5	0.28
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	5	0.28
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	15	0.28
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	15	0.28
(1,931)	1:399:A:LYS:HA	1:400:A:GLU:HG2	20	0.28
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	6	0.28
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	2	0.28
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	2	0.28
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	9	0.28
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	18	0.28
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	18	0.28
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	18	0.28
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD1	6	0.28
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD2	6	0.28
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD1	6	0.28
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD2	6	0.28
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD1	6	0.28
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD2	6	0.28
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	19	0.28
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	19	0.28
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	19	0.28
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	5	0.28
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	5	0.28
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	6	0.28
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	16	0.28
(1,878)	1:433:A:SER:HB3	1:451:A:VAL:HA	19	0.28
(1,873)	1:451:A:VAL:HA	1:452:A:SER:HB3	10	0.28
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB2	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB3	14	0.28
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	15	0.28
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	12	0.28
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	12	0.28
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	12	0.28
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	12	0.28
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	12	0.28
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	12	0.28
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	11	0.28
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	11	0.28
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	11	0.28
(1,851)	1:399:A:LYS:HD2	1:432:A:ILE:HB	11	0.28
(1,851)	1:399:A:LYS:HD3	1:432:A:ILE:HB	11	0.28
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	11	0.28
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	11	0.28
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	11	0.28
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	11	0.28
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	11	0.28
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	11	0.28
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	2	0.28
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	3	0.28
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	16	0.28
(1,827)	1:407:A:LEU:HD11	1:478:A:VAL:HA	4	0.28
(1,827)	1:407:A:LEU:HD12	1:478:A:VAL:HA	4	0.28
(1,827)	1:407:A:LEU:HD13	1:478:A:VAL:HA	4	0.28
(1,827)	1:407:A:LEU:HD21	1:478:A:VAL:HA	4	0.28
(1,827)	1:407:A:LEU:HD22	1:478:A:VAL:HA	4	0.28
(1,827)	1:407:A:LEU:HD23	1:478:A:VAL:HA	4	0.28
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	16	0.28
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	10	0.28
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	10	0.28
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	12	0.28
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	12	0.28
(1,800)	1:442:A:THR:HA	1:443:A:ASN:HB3	7	0.28
(1,789)	1:485:A:ASN:HB3	1:486:A:ASP:H	2	0.28
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	9	0.28
(1,784)	1:436:A:VAL:HA	1:449:A:GLY:HA3	9	0.28
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	17	0.28
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	17	0.28
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	17	0.28
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	17	0.28
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	17	0.28
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	17	0.28
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	17	0.28
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	17	0.28
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	6	0.28
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	6	0.28
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	6	0.28
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	17	0.28
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	17	0.28
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	17	0.28
(1,767)	1:409:A:ILE:HD11	1:449:A:GLY:H	6	0.28
(1,767)	1:409:A:ILE:HD12	1:449:A:GLY:H	6	0.28
(1,767)	1:409:A:ILE:HD13	1:449:A:GLY:H	6	0.28
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE1	16	0.28
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE2	16	0.28
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	14	0.28
(1,735)	1:412:A:LEU:HB3	1:416:A:PHE:HB3	3	0.28
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	7	0.28
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	4	0.28
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	4	0.28
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	4	0.28
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	4	0.28
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	4	0.28
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	4	0.28
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	12	0.28
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	12	0.28
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	12	0.28
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	12	0.28
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	12	0.28
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	12	0.28
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	19	0.28
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	19	0.28
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	19	0.28
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	19	0.28
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	19	0.28
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	19	0.28
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	12	0.28
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	12	0.28
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	12	0.28
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	14	0.28
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	14	0.28
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	20	0.28
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	20	0.28
(1,678)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	20	0.28
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	20	0.28
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	20	0.28
(1,678)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	20	0.28
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	12	0.28
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	18	0.28
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	18	0.28
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	6	0.28
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	6	0.28
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	6	0.28
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	6	0.28
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	6	0.28
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	6	0.28
(1,634)	1:488:A:LYS:HB2	1:489:A:PRO:HA	10	0.28
(1,634)	1:488:A:LYS:HB3	1:489:A:PRO:HA	10	0.28
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	19	0.28
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	19	0.28
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	19	0.28
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	19	0.28
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	19	0.28
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	19	0.28
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	19	0.28
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	19	0.28
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB2	6	0.28
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB3	6	0.28
(1,611)	1:410:A:TYR:HB3	1:411:A:HIS:HD2	17	0.28
(1,576)	1:459:A:ALA:HB1	1:460:A:GLN:H	19	0.28
(1,576)	1:459:A:ALA:HB2	1:460:A:GLN:H	19	0.28
(1,576)	1:459:A:ALA:HB3	1:460:A:GLN:H	19	0.28
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	1	0.28
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	1	0.28
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	1	0.28
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	2	0.28
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	2	0.28
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	2	0.28
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	2	0.28
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	2	0.28
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	2	0.28
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	2	0.28
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	2	0.28
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	5	0.28
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	6	0.28
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	20	0.28
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG21	3	0.28
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG22	3	0.28
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG23	3	0.28
(1,508)	1:435:A:LYS:HE2	1:450:A:PHE:HB3	5	0.28
(1,508)	1:435:A:LYS:HE3	1:450:A:PHE:HB3	5	0.28
(1,508)	1:435:A:LYS:HE2	1:450:A:PHE:HB3	10	0.28
(1,508)	1:435:A:LYS:HE3	1:450:A:PHE:HB3	10	0.28
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	3	0.28
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	3	0.28
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	6	0.28
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	6	0.28
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	9	0.28
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	9	0.28
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	20	0.28
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	20	0.28
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	20	0.28
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	20	0.28
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	20	0.28
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	20	0.28
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	20	0.28
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	20	0.28
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	20	0.28
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	20	0.28
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	20	0.28
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	20	0.28
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	9	0.28
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	9	0.28
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	16	0.28
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	16	0.28
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	11	0.28
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	11	0.28
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	11	0.28
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	11	0.28
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	11	0.28
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	11	0.28
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	11	0.28
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	11	0.28
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	9	0.28
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	9	0.28
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	9	0.28
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	9	0.28
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD2	1	0.28
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD3	1	0.28
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD2	10	0.28
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD3	10	0.28
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	8	0.28
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	10	0.28
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	16	0.28
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	1	0.28
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	1	0.28
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	9	0.28
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	9	0.28
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	15	0.28
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	15	0.28
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	12	0.28
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	12	0.28
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	12	0.28
(1,416)	1:453:A:TYR:HB2	1:459:A:ALA:H	13	0.28
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	5	0.28
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB2	16	0.28
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB3	16	0.28
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB2	16	0.28
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB3	16	0.28
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB2	16	0.28
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB3	16	0.28
(1,378)	1:470:A:GLN:HE21	1:475:A:ARG:HD2	17	0.28
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	20	0.28
(1,369)	1:401:A:GLY:H	1:452:A:SER:HB2	20	0.28
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	11	0.28
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	11	0.28
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	11	0.28
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	11	0.28
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	11	0.28
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	11	0.28
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	11	0.28
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	11	0.28
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	11	0.28
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	11	0.28
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	11	0.28
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	11	0.28
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	11	0.28
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	11	0.28
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	11	0.28
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	11	0.28
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	11	0.28
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	12	0.28
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	12	0.28
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	12	0.28
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	5	0.28
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	5	0.28
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	5	0.28
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	5	0.28
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	5	0.28
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	5	0.28
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	5	0.28
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	5	0.28
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	5	0.28
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	10	0.28
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	10	0.28
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	10	0.28
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	10	0.28
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	10	0.28
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	10	0.28
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	10	0.28
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	10	0.28
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	10	0.28
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	6	0.28
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	6	0.28
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	6	0.28
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	14	0.28
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	14	0.28
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	14	0.28
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	17	0.28
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	17	0.28
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	17	0.28
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	19	0.28
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	19	0.28
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	19	0.28
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	1	0.28
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	1	0.28
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	13	0.28
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	13	0.28
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	13	0.28
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	10	0.28
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	10	0.28
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	10	0.28
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	5	0.28
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	5	0.28
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	5	0.28
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	5	0.28
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	5	0.28
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	5	0.28
(1,319)	1:433:A:SER:HB2	1:450:A:PHE:HB2	1	0.28
(1,319)	1:433:A:SER:HB2	1:450:A:PHE:HB2	7	0.28
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	15	0.28
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	15	0.28
(1,293)	1:436:A:VAL:HG11	1:449:A:GLY:HA2	9	0.28
(1,293)	1:436:A:VAL:HG12	1:449:A:GLY:HA2	9	0.28
(1,293)	1:436:A:VAL:HG13	1:449:A:GLY:HA2	9	0.28
(1,286)	1:431:A:VAL:HG21	1:434:A:ALA:HB1	18	0.28
(1,286)	1:431:A:VAL:HG21	1:434:A:ALA:HB2	18	0.28
(1,286)	1:431:A:VAL:HG21	1:434:A:ALA:HB3	18	0.28
(1,286)	1:431:A:VAL:HG22	1:434:A:ALA:HB1	18	0.28
(1,286)	1:431:A:VAL:HG22	1:434:A:ALA:HB2	18	0.28
(1,286)	1:431:A:VAL:HG22	1:434:A:ALA:HB3	18	0.28
(1,286)	1:431:A:VAL:HG23	1:434:A:ALA:HB1	18	0.28
(1,286)	1:431:A:VAL:HG23	1:434:A:ALA:HB2	18	0.28
(1,286)	1:431:A:VAL:HG23	1:434:A:ALA:HB3	18	0.28
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	5	0.28
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	5	0.28
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	5	0.28
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	9	0.28
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	9	0.28
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	9	0.28
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	10	0.28
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	10	0.28
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	10	0.28
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	15	0.28
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	15	0.28
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	15	0.28
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	1	0.28
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	1	0.28
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	6	0.28
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	6	0.28
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	6	0.28
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	5	0.28
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	5	0.28
(1,200)	1:404:A:GLY:HA2	1:456:A:PRO:HB3	10	0.28
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	13	0.28
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	13	0.28
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	13	0.28
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	1	0.28
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	12	0.28
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	12	0.28
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	12	0.28
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	12	0.28
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	12	0.28
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	12	0.28
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	12	0.28
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	12	0.28
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	12	0.28
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	12	0.28
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	12	0.28
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	12	0.28
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	19	0.28
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	19	0.28
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	19	0.28
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	19	0.28
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	19	0.28
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	19	0.28
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	19	0.28
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	19	0.28
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	19	0.28
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	19	0.28
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	19	0.28
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	19	0.28
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	6	0.28
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	6	0.28
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	6	0.28
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	10	0.28
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	10	0.28
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	15	0.28
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	15	0.28
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	15	0.28
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	15	0.28
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	15	0.28
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	15	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	1	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	1	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	1	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	1	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	1	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	1	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	13	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	13	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	13	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	13	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	13	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	13	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	17	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	17	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	17	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	17	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	17	0.28
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	17	0.28
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	17	0.28
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	17	0.28
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	17	0.28
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	17	0.28
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	17	0.28
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	17	0.28
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	5	0.28
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	5	0.28
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD11	16	0.28
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD12	16	0.28
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD13	16	0.28
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD21	16	0.28
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD22	16	0.28
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD23	16	0.28
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	6	0.28
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	6	0.28
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	6	0.28
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	6	0.28
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	6	0.28
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	8	0.28
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	8	0.28
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	8	0.28
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	8	0.28
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	8	0.28
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	8	0.28
(1,38)	1:409:A:ILE:HG13	1:476:A:LEU:HG	20	0.28
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	3	0.28
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	14	0.28
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	4	0.28
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	4	0.28
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	4	0.28
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	5	0.28
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	6	0.28
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	16	0.28
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	12	0.28
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	12	0.28
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	12	0.28
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD1	11	0.28
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD2	11	0.28
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	12	0.27
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	12	0.27
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	12	0.27
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	12	0.27
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	12	0.27
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	12	0.27
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	16	0.27
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	16	0.27
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	16	0.27
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	16	0.27
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	16	0.27
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	16	0.27
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	1	0.27
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	1	0.27
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	1	0.27
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	1	0.27
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	1	0.27
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	1	0.27
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	3	0.27
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2422)	1:411:A:HIS:HA	1:411:A:HIS:HD2	7	0.27
(1,2414)	1:416:A:PHE:HD1	1:420:A:ASP:HB3	9	0.27
(1,2414)	1:416:A:PHE:HD2	1:420:A:ASP:HB3	9	0.27
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	9	0.27
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	9	0.27
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	9	0.27
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	9	0.27
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	9	0.27
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	9	0.27
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	10	0.27
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	10	0.27
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	14	0.27
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	14	0.27
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	15	0.27
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	15	0.27
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	19	0.27
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	19	0.27
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	14	0.27
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	14	0.27
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	14	0.27
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	14	0.27
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	14	0.27
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	14	0.27
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	7	0.27
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	7	0.27
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	7	0.27
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	7	0.27
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	7	0.27
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	7	0.27
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	7	0.27
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	7	0.27
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	7	0.27
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	7	0.27
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	7	0.27
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	7	0.27
(1,2390)	1:416:A:PHE:HE1	1:420:A:ASP:HB2	18	0.27
(1,2390)	1:416:A:PHE:HE2	1:420:A:ASP:HB2	18	0.27
(1,2382)	1:466:A:MET:HG2	1:469:A:PHE:HD1	17	0.27
(1,2382)	1:466:A:MET:HG2	1:469:A:PHE:HD2	17	0.27
(1,2382)	1:466:A:MET:HG3	1:469:A:PHE:HD1	17	0.27
(1,2382)	1:466:A:MET:HG3	1:469:A:PHE:HD2	17	0.27
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	12	0.27
(1,2379)	1:436:A:VAL:HA	1:450:A:PHE:HD1	9	0.27
(1,2379)	1:436:A:VAL:HA	1:450:A:PHE:HD2	9	0.27
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	8	0.27
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	8	0.27
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	14	0.27
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	14	0.27
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	17	0.27
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	17	0.27
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD1	19	0.27
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD2	19	0.27
(1,2358)	1:453:A:TYR:HD1	1:458:A:SER:HB3	5	0.27
(1,2358)	1:453:A:TYR:HD2	1:458:A:SER:HB3	5	0.27
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD1	3	0.27
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD2	3	0.27
(1,2351)	1:424:A:MET:HB2	1:425:A:PHE:HD1	8	0.27
(1,2351)	1:424:A:MET:HB2	1:425:A:PHE:HD2	8	0.27
(1,2351)	1:424:A:MET:HB3	1:425:A:PHE:HD1	8	0.27
(1,2351)	1:424:A:MET:HB3	1:425:A:PHE:HD2	8	0.27
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	6	0.27
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	6	0.27
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB2	5	0.27
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB3	5	0.27
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB2	5	0.27
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB3	5	0.27
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB2	10	0.27
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB3	10	0.27
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB2	10	0.27
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB3	10	0.27
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	11	0.27
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	11	0.27
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	11	0.27
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	11	0.27
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	16	0.27
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	16	0.27
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	16	0.27
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	16	0.27
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	9	0.27
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	9	0.27
(1,2289)	1:456:A:PRO:HB2	1:460:A:GLN:HE21	4	0.27
(1,2286)	1:456:A:PRO:HB2	1:460:A:GLN:HE22	11	0.27
(1,2285)	1:463:A:ILE:HG21	1:464:A:GLN:HE21	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2285)	1:463:A:ILE:HG22	1:464:A:GLN:HE21	9	0.27
(1,2285)	1:463:A:ILE:HG23	1:464:A:GLN:HE21	9	0.27
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	17	0.27
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	17	0.27
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	19	0.27
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	19	0.27
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	18	0.27
(1,2272)	1:438:A:ILE:HG21	1:443:A:ASN:HD21	6	0.27
(1,2272)	1:438:A:ILE:HG22	1:443:A:ASN:HD21	6	0.27
(1,2272)	1:438:A:ILE:HG23	1:443:A:ASN:HD21	6	0.27
(1,2272)	1:438:A:ILE:HG21	1:443:A:ASN:HD21	9	0.27
(1,2272)	1:438:A:ILE:HG22	1:443:A:ASN:HD21	9	0.27
(1,2272)	1:438:A:ILE:HG23	1:443:A:ASN:HD21	9	0.27
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	13	0.27
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	13	0.27
(1,2256)	1:424:A:MET:HB2	1:425:A:PHE:H	3	0.27
(1,2256)	1:424:A:MET:HB3	1:425:A:PHE:H	3	0.27
(1,2252)	1:424:A:MET:H	1:425:A:PHE:H	12	0.27
(1,2247)	1:479:A:GLN:HB2	1:479:A:GLN:HE21	11	0.27
(1,2247)	1:479:A:GLN:HB3	1:479:A:GLN:HE21	11	0.27
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	20	0.27
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	9	0.27
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	5	0.27
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	8	0.27
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	5	0.27
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	6	0.27
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	6	0.27
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	19	0.27
(1,2179)	1:412:A:LEU:H	1:448:A:PHE:HA	17	0.27
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	1	0.27
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	2	0.27
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	12	0.27
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	1	0.27
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	13	0.27
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	13	0.27
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	13	0.27
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	19	0.27
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	19	0.27
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	9	0.27
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	14	0.27
(1,2105)	1:420:A:ASP:HB3	1:421:A:ILE:H	18	0.27
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	1	0.27
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	17	0.27
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	10	0.27
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	17	0.27
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	4	0.27
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	9	0.27
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	2	0.27
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	7	0.27
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	14	0.27
(1,2061)	1:429:A:GLY:HA2	1:430:A:ASN:H	13	0.27
(1,2044)	1:444:A:LEU:H	1:444:A:LEU:HB3	7	0.27
(1,2042)	1:443:A:ASN:HD22	1:444:A:LEU:H	14	0.27
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	11	0.27
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	13	0.27
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	3	0.27
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	3	0.27
(1,2026)	1:468:A:GLY:H	1:477:A:LYS:HA	11	0.27
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	18	0.27
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	7	0.27
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	20	0.27
(1,2017)	1:461:A:ALA:HA	1:463:A:ILE:H	14	0.27
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	14	0.27
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB2	19	0.27
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB3	19	0.27
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	2	0.27
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	9	0.27
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	11	0.27
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	6	0.27
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	1	0.27
(1,1979)	1:474:A:LYS:HG2	1:475:A:ARG:H	8	0.27
(1,1972)	1:474:A:LYS:HA	1:475:A:ARG:H	18	0.27
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	12	0.27
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	2	0.27
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	12	0.27
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	20	0.27
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	3	0.27
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	3	0.27
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	3	0.27
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	5	0.27
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	5	0.27
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	5	0.27
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	14	0.27
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	14	0.27
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	3	0.27
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	3	0.27
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	3	0.27
(1,1914)	1:399:A:LYS:HB2	1:400:A:GLU:H	14	0.27
(1,1914)	1:399:A:LYS:HB3	1:400:A:GLU:H	14	0.27
(1,1911)	1:400:A:GLU:H	1:433:A:SER:HB3	15	0.27
(1,1911)	1:400:A:GLU:H	1:433:A:SER:HB3	17	0.27
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	2	0.27
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	12	0.27
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	2	0.27
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	3	0.27
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	7	0.27
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	11	0.27
(1,1905)	1:437:A:PHE:HA	1:438:A:ILE:H	17	0.27
(1,1902)	1:418:A:ASP:H	1:436:A:VAL:HB	17	0.27
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	10	0.27
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	16	0.27
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	6	0.27
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	17	0.27
(1,1886)	1:428:A:PHE:HD1	1:462:A:ALA:H	5	0.27
(1,1886)	1:428:A:PHE:HD2	1:462:A:ALA:H	5	0.27
(1,1875)	1:414:A:GLN:H	1:416:A:PHE:H	18	0.27
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	3	0.27
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	5	0.27
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	10	0.27
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	11	0.27
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	11	0.27
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	19	0.27
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	19	0.27
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	8	0.27
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	14	0.27
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	19	0.27
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	7	0.27
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	7	0.27
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	9	0.27
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	9	0.27
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	18	0.27
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	18	0.27
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	16	0.27
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	19	0.27
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	20	0.27
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	5	0.27
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	18	0.27
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	18	0.27
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG21	13	0.27
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG22	13	0.27
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG23	13	0.27
(1,1826)	1:410:A:TYR:H	1:476:A:LEU:HA	10	0.27
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	9	0.27
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	14	0.27
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	12	0.27
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	12	0.27
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	12	0.27
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	7	0.27
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	8	0.27
(1,1805)	1:490:A:TYR:H	1:490:A:TYR:HB2	11	0.27
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	5	0.27
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	16	0.27
(1,1794)	1:407:A:LEU:HD11	1:479:A:GLN:H	10	0.27
(1,1794)	1:407:A:LEU:HD12	1:479:A:GLN:H	10	0.27
(1,1794)	1:407:A:LEU:HD13	1:479:A:GLN:H	10	0.27
(1,1794)	1:407:A:LEU:HD21	1:479:A:GLN:H	10	0.27
(1,1794)	1:407:A:LEU:HD22	1:479:A:GLN:H	10	0.27
(1,1794)	1:407:A:LEU:HD23	1:479:A:GLN:H	10	0.27
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	16	0.27
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	4	0.27
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	12	0.27
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	13	0.27
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	18	0.27
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	19	0.27
(1,1748)	1:467:A:ASN:HB3	1:478:A:VAL:H	10	0.27
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	6	0.27
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	7	0.27
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	17	0.27
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	2	0.27
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	2	0.27
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	20	0.27
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	20	0.27
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	8	0.27
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	8	0.27
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	15	0.27
(1,1695)	1:402:A:PRO:HG3	1:405:A:ALA:H	9	0.27
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	7	0.27
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	17	0.27
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD11	14	0.27
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD12	14	0.27
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD13	14	0.27
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	7	0.27
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	7	0.27
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	7	0.27
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	7	0.27
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	7	0.27
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	7	0.27
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	7	0.27
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	7	0.27
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	7	0.27
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	7	0.27
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	7	0.27
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	7	0.27
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	5	0.27
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	5	0.27
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	11	0.27
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	11	0.27
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	12	0.27
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	12	0.27
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	13	0.27
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	13	0.27
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	18	0.27
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	2	0.27
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	10	0.27
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	13	0.27
(1,1627)	1:402:A:PRO:HG2	1:455:A:ASN:HA	7	0.27
(1,1627)	1:402:A:PRO:HG2	1:455:A:ASN:HA	13	0.27
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	3	0.27
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	10	0.27
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	10	0.27
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	10	0.27
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	10	0.27
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	10	0.27
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	10	0.27
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	20	0.27
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	20	0.27
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	20	0.27
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	20	0.27
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	20	0.27
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	16	0.27
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	16	0.27
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	4	0.27
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	4	0.27
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	11	0.27
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	11	0.27
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	13	0.27
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	13	0.27
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD1	5	0.27
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD2	5	0.27
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD1	5	0.27
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD2	5	0.27
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD1	7	0.27
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD2	7	0.27
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD1	7	0.27
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD2	7	0.27
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD1	15	0.27
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD2	15	0.27
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD1	15	0.27
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD2	15	0.27
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	6	0.27
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	12	0.27
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	4	0.27
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	4	0.27
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	6	0.27
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	6	0.27
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	11	0.27
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	15	0.27
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	19	0.27
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	2	0.27
(1,1558)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	2	0.27
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	6	0.27
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	6	0.27
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	6	0.27
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	10	0.27
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	10	0.27
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	10	0.27
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	10	0.27
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD2	14	0.27
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD3	14	0.27
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD2	14	0.27
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD3	14	0.27
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD2	14	0.27
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD3	14	0.27
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	13	0.27
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	13	0.27
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	13	0.27
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	13	0.27
(1,1532)	1:440:A:LYS:HD2	1:441:A:GLN:HB2	13	0.27
(1,1532)	1:440:A:LYS:HD3	1:441:A:GLN:HB2	13	0.27
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	6	0.27
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	6	0.27
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	8	0.27
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	8	0.27
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	12	0.27
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	12	0.27
(1,1516)	1:398:A:GLN:HB2	1:435:A:LYS:H	18	0.27
(1,1516)	1:398:A:GLN:HB3	1:435:A:LYS:H	18	0.27
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	8	0.27
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	8	0.27
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	8	0.27
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	10	0.27
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	2	0.27
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	2	0.27
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	2	0.27
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	2	0.27
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	7	0.27
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	7	0.27
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	7	0.27
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	7	0.27
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	19	0.27
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	19	0.27
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	19	0.27
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	19	0.27
(1,1490)	1:481:A:LYS:HA	1:481:A:LYS:HD2	4	0.27
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	9	0.27
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	18	0.27
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	6	0.27
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	11	0.27
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	8	0.27
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	8	0.27
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	8	0.27
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	8	0.27
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	13	0.27
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	13	0.27
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	13	0.27
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	13	0.27
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	20	0.27
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	20	0.27
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	20	0.27
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	20	0.27
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	4	0.27
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	18	0.27
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	16	0.27
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	16	0.27
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	16	0.27
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	16	0.27
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	1	0.27
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	1	0.27
(1,1391)	1:405:A:ALA:HA	1:459:A:ALA:HA	3	0.27
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	3	0.27
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	6	0.27
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	9	0.27
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	11	0.27
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	15	0.27
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	18	0.27
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG11	11	0.27
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG12	11	0.27
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG13	11	0.27
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG11	11	0.27
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG12	11	0.27
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG13	11	0.27
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB1	12	0.27
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB2	12	0.27
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB3	12	0.27
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB1	16	0.27
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB2	16	0.27
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB3	16	0.27
(1,1354)	1:400:A:GLU:HB2	1:452:A:SER:HB3	2	0.27
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	6	0.27
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	6	0.27
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	6	0.27
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	8	0.27
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	8	0.27
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	8	0.27
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	8	0.27
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	13	0.27
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	13	0.27
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	13	0.27
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	13	0.27
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	17	0.27
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	17	0.27
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	17	0.27
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	17	0.27
(1,1343)	1:426:A:MET:HG2	1:431:A:VAL:H	1	0.27
(1,1343)	1:426:A:MET:HG3	1:431:A:VAL:H	1	0.27
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG11	16	0.27
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG12	16	0.27
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG13	16	0.27
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG11	16	0.27
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG12	16	0.27
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG13	16	0.27
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	4	0.27
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	4	0.27
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	15	0.27
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	15	0.27
(1,1332)	1:448:A:PHE:HA	1:449:A:GLY:HA2	6	0.27
(1,1328)	1:412:A:LEU:HD11	1:448:A:PHE:HA	1	0.27
(1,1328)	1:412:A:LEU:HD12	1:448:A:PHE:HA	1	0.27
(1,1328)	1:412:A:LEU:HD13	1:448:A:PHE:HA	1	0.27
(1,1328)	1:412:A:LEU:HD21	1:448:A:PHE:HA	1	0.27
(1,1328)	1:412:A:LEU:HD22	1:448:A:PHE:HA	1	0.27
(1,1328)	1:412:A:LEU:HD23	1:448:A:PHE:HA	1	0.27
(1,1319)	1:440:A:LYS:HB2	1:441:A:GLN:HA	7	0.27
(1,1319)	1:440:A:LYS:HB3	1:441:A:GLN:HA	7	0.27
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	16	0.27
(1,1302)	1:472:A:GLY:HA3	1:473:A:MET:HG3	11	0.27
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	5	0.27
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	11	0.27
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	11	0.27
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	15	0.27
(1,1274)	1:456:A:PRO:HB2	1:457:A:VAL:H	1	0.27
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	11	0.27
(1,1264)	1:405:A:ALA:HB1	1:456:A:PRO:HB3	12	0.27
(1,1264)	1:405:A:ALA:HB2	1:456:A:PRO:HB3	12	0.27
(1,1264)	1:405:A:ALA:HB3	1:456:A:PRO:HB3	12	0.27
(1,1260)	1:400:A:GLU:HA	1:401:A:GLY:H	18	0.27
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB2	8	0.27
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB3	8	0.27
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	6	0.27
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	19	0.27
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	2	0.27
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	5	0.27
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	6	0.27
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	16	0.27
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	16	0.27
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	19	0.27
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	19	0.27
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG2	1	0.27
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG3	1	0.27
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	5	0.27
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	2	0.27
(1,1168)	1:398:A:GLN:H	1:398:A:GLN:HG2	16	0.27
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	10	0.27
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	14	0.27
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	4	0.27
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	12	0.27
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	15	0.27
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	13	0.27
(1,1085)	1:440:A:LYS:HG2	1:441:A:GLN:HG3	2	0.27
(1,1085)	1:440:A:LYS:HG3	1:441:A:GLN:HG3	2	0.27
(1,1085)	1:440:A:LYS:HG2	1:441:A:GLN:HG3	4	0.27
(1,1085)	1:440:A:LYS:HG3	1:441:A:GLN:HG3	4	0.27
(1,1085)	1:440:A:LYS:HG2	1:441:A:GLN:HG3	8	0.27
(1,1085)	1:440:A:LYS:HG3	1:441:A:GLN:HG3	8	0.27
(1,1083)	1:441:A:GLN:HG3	1:443:A:ASN:H	15	0.27
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	7	0.27
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	7	0.27
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	7	0.27
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	8	0.27
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	8	0.27
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	9	0.27
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	9	0.27
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	9	0.27
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	16	0.27
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	18	0.27
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	4	0.27
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	4	0.27
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	4	0.27
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	11	0.27
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	11	0.27
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	11	0.27
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	17	0.27
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	17	0.27
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	17	0.27
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	14	0.27
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	14	0.27
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	16	0.27
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	16	0.27
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	14	0.27
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	7	0.27
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	7	0.27
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	19	0.27
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	19	0.27
(1,1029)	1:486:A:ASP:HB3	1:487:A:SER:HA	12	0.27
(1,1028)	1:483:A:SER:HA	1:484:A:LYS:HG2	2	0.27
(1,1028)	1:483:A:SER:HA	1:484:A:LYS:HG3	2	0.27
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	6	0.27
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	14	0.27
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	3	0.27
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	10	0.27
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	13	0.27
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	13	0.27
(1,982)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	11	0.27
(1,982)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	11	0.27
(1,982)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	11	0.27
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	10	0.27
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	10	0.27
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	10	0.27
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD11	16	0.27
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD12	16	0.27
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD13	16	0.27
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD11	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD12	16	0.27
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD13	16	0.27
(1,964)	1:422:A:LEU:HA	1:434:A:ALA:HA	18	0.27
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	2	0.27
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	2	0.27
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	10	0.27
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	10	0.27
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	10	0.27
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	10	0.27
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	10	0.27
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	10	0.27
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	18	0.27
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	18	0.27
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	18	0.27
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	18	0.27
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	18	0.27
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	18	0.27
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	1	0.27
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	1	0.27
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE1	17	0.27
(1,948)	1:469:A:PHE:HA	1:469:A:PHE:HE2	17	0.27
(1,940)	1:451:A:VAL:HB	1:452:A:SER:H	16	0.27
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	19	0.27
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	19	0.27
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	19	0.27
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	19	0.27
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	20	0.27
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	20	0.27
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	20	0.27
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	20	0.27
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	14	0.27
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	14	0.27
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	18	0.27
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	1	0.27
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	1	0.27
(1,924)	1:400:A:GLU:HG3	1:452:A:SER:HB3	8	0.27
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	8	0.27
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	8	0.27
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	8	0.27
(1,920)	1:400:A:GLU:HG2	1:406:A:ASN:HD21	14	0.27
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	5	0.27
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	15	0.27
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	15	0.27
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	8	0.27
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	8	0.27
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	8	0.27
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	9	0.27
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	9	0.27
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	9	0.27
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	15	0.27
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	15	0.27
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	15	0.27
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	7	0.27
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	7	0.27
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	7	0.27
(1,884)	1:407:A:LEU:HA	1:463:A:ILE:HD11	1	0.27
(1,884)	1:407:A:LEU:HA	1:463:A:ILE:HD12	1	0.27
(1,884)	1:407:A:LEU:HA	1:463:A:ILE:HD13	1	0.27
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	16	0.27
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	16	0.27
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	16	0.27
(1,878)	1:433:A:SER:HB3	1:451:A:VAL:HA	8	0.27
(1,878)	1:433:A:SER:HB3	1:451:A:VAL:HA	9	0.27
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	17	0.27
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	17	0.27
(1,865)	1:430:A:ASN:HB2	1:454:A:ASP:HB2	13	0.27
(1,865)	1:430:A:ASN:HB3	1:454:A:ASP:HB2	13	0.27
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	3	0.27
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	3	0.27
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	3	0.27
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	3	0.27
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	3	0.27
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	3	0.27
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	6	0.27
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	6	0.27
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	6	0.27
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	6	0.27
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	6	0.27
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	6	0.27
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	9	0.27
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	9	0.27
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	9	0.27
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	9	0.27
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	9	0.27
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	13	0.27
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	13	0.27
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	13	0.27
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	13	0.27
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	13	0.27
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	13	0.27
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	10	0.27
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	10	0.27
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	10	0.27
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD11	16	0.27
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD12	16	0.27
(1,846)	1:471:A:ILE:H	1:471:A:ILE:HD13	16	0.27
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	10	0.27
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	12	0.27
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	19	0.27
(1,826)	1:407:A:LEU:HB3	1:478:A:VAL:HA	4	0.27
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	8	0.27
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	9	0.27
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG11	12	0.27
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG12	12	0.27
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG13	12	0.27
(1,800)	1:442:A:THR:HA	1:443:A:ASN:HB3	4	0.27
(1,800)	1:442:A:THR:HA	1:443:A:ASN:HB3	16	0.27
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	20	0.27
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	20	0.27
(1,786)	1:485:A:ASN:HB2	1:486:A:ASP:H	17	0.27
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	10	0.27
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	8	0.27
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	8	0.27
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	8	0.27
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	15	0.27
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	15	0.27
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	15	0.27
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	3	0.27
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	3	0.27
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	3	0.27
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	4	0.27
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	4	0.27
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	4	0.27
(1,767)	1:409:A:ILE:HD11	1:449:A:GLY:H	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,767)	1:409:A:ILE:HD12	1:449:A:GLY:H	14	0.27
(1,767)	1:409:A:ILE:HD13	1:449:A:GLY:H	14	0.27
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	2	0.27
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	7	0.27
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	7	0.27
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	16	0.27
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD2	11	0.27
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD3	11	0.27
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	2	0.27
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	2	0.27
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	2	0.27
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	14	0.27
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	4	0.27
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	4	0.27
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	4	0.27
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	4	0.27
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	4	0.27
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	4	0.27
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	20	0.27
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	20	0.27
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	16	0.27
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	16	0.27
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	16	0.27
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	16	0.27
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	16	0.27
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	16	0.27
(1,625)	1:466:A:MET:HG2	1:469:A:PHE:HB2	13	0.27
(1,625)	1:466:A:MET:HG3	1:469:A:PHE:HB2	13	0.27
(1,609)	1:410:A:TYR:HB3	1:411:A:HIS:HA	3	0.27
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	12	0.27
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	12	0.27
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG12	4	0.27
(1,593)	1:469:A:PHE:HB3	1:471:A:ILE:HG13	4	0.27
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	5	0.27
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	5	0.27
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	16	0.27
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	16	0.27
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	16	0.27
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	9	0.27
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	9	0.27
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	9	0.27
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	18	0.27
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	18	0.27
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	9	0.27
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	4	0.27
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE1	3	0.27
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE2	3	0.27
(1,537)	1:455:A:ASN:HB3	1:457:A:VAL:HB	8	0.27
(1,535)	1:455:A:ASN:HB3	1:456:A:PRO:HD3	4	0.27
(1,529)	1:404:A:GLY:HA3	1:456:A:PRO:HA	4	0.27
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	4	0.27
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	5	0.27
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	11	0.27
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG21	5	0.27
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG22	5	0.27
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG23	5	0.27
(1,508)	1:435:A:LYS:HE2	1:450:A:PHE:HB3	6	0.27
(1,508)	1:435:A:LYS:HE3	1:450:A:PHE:HB3	6	0.27
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE2	7	0.27
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE3	7	0.27
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE2	12	0.27
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE3	12	0.27
(1,500)	1:440:A:LYS:HE2	1:441:A:GLN:HG2	11	0.27
(1,500)	1:440:A:LYS:HE3	1:441:A:GLN:HG2	11	0.27
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	10	0.27
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	10	0.27
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	10	0.27
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	10	0.27
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	10	0.27
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	10	0.27
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	10	0.27
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	10	0.27
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	10	0.27
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	10	0.27
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	10	0.27
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	10	0.27
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	14	0.27
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	14	0.27
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	2	0.27
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	2	0.27
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	2	0.27
(1,480)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	3	0.27
(1,480)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,480)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	3	0.27
(1,480)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	3	0.27
(1,480)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	3	0.27
(1,480)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	3	0.27
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	1	0.27
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	1	0.27
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	1	0.27
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	1	0.27
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	4	0.27
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	4	0.27
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	4	0.27
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	4	0.27
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	19	0.27
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	19	0.27
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	11	0.27
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	11	0.27
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	17	0.27
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	17	0.27
(1,441)	1:433:A:SER:HB3	1:452:A:SER:HB3	3	0.27
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	16	0.27
(1,422)	1:432:A:ILE:HG12	1:433:A:SER:HB2	9	0.27
(1,422)	1:432:A:ILE:HG13	1:433:A:SER:HB2	9	0.27
(1,416)	1:453:A:TYR:HB2	1:459:A:ALA:H	7	0.27
(1,416)	1:453:A:TYR:HB2	1:459:A:ALA:H	16	0.27
(1,413)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	2	0.27
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB2	2	0.27
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB3	2	0.27
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB2	2	0.27
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB3	2	0.27
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB2	2	0.27
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB3	2	0.27
(1,403)	1:468:A:GLY:HA2	1:475:A:ARG:HD3	19	0.27
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	18	0.27
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	7	0.27
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	7	0.27
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	7	0.27
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	4	0.27
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	4	0.27
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	4	0.27
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	9	0.27
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	9	0.27
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	3	0.27
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	3	0.27
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	3	0.27
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	10	0.27
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	10	0.27
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	10	0.27
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	15	0.27
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	15	0.27
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	15	0.27
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	6	0.27
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	6	0.27
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	6	0.27
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	2	0.27
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	2	0.27
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	2	0.27
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	15	0.27
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	15	0.27
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	15	0.27
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	18	0.27
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	18	0.27
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	18	0.27
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	20	0.27
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	20	0.27
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	20	0.27
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	4	0.27
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	4	0.27
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	4	0.27
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	4	0.27
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	4	0.27
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	4	0.27
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	16	0.27
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	16	0.27
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	16	0.27
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	1	0.27
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	4	0.27
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	5	0.27
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	1	0.27
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	1	0.27
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	1	0.27
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	8	0.27
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	8	0.27
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	1	0.27
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	1	0.27
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	1	0.27
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	16	0.27
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	16	0.27
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	16	0.27
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	16	0.27
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	16	0.27
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	16	0.27
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	19	0.27
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	19	0.27
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	19	0.27
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	19	0.27
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	19	0.27
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	19	0.27
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	1	0.27
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	1	0.27
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	1	0.27
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	6	0.27
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	6	0.27
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	6	0.27
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	14	0.27
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	14	0.27
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	14	0.27
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	4	0.27
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	4	0.27
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	4	0.27
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	12	0.27
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	12	0.27
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	12	0.27
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	2	0.27
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	2	0.27
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	2	0.27
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	17	0.27
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	17	0.27
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	17	0.27
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	10	0.27
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	10	0.27
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE1	7	0.27
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE2	7	0.27
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG21	19	0.27
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG22	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG23	19	0.27
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG21	19	0.27
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG22	19	0.27
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG23	19	0.27
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	11	0.27
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	11	0.27
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	11	0.27
(1,200)	1:404:A:GLY:HA2	1:456:A:PRO:HB3	11	0.27
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	18	0.27
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	18	0.27
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	18	0.27
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	18	0.27
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	18	0.27
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	18	0.27
(1,176)	1:431:A:VAL:HG11	1:433:A:SER:H	8	0.27
(1,176)	1:431:A:VAL:HG12	1:433:A:SER:H	8	0.27
(1,176)	1:431:A:VAL:HG13	1:433:A:SER:H	8	0.27
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	4	0.27
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	4	0.27
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	4	0.27
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	19	0.27
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	19	0.27
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	19	0.27
(1,169)	1:457:A:VAL:HG11	1:460:A:GLN:HE21	6	0.27
(1,169)	1:457:A:VAL:HG12	1:460:A:GLN:HE21	6	0.27
(1,169)	1:457:A:VAL:HG13	1:460:A:GLN:HE21	6	0.27
(1,169)	1:457:A:VAL:HG21	1:460:A:GLN:HE21	6	0.27
(1,169)	1:457:A:VAL:HG22	1:460:A:GLN:HE21	6	0.27
(1,169)	1:457:A:VAL:HG23	1:460:A:GLN:HE21	6	0.27
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	5	0.27
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	14	0.27
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	14	0.27
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	14	0.27
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	5	0.27
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	5	0.27
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	5	0.27
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	5	0.27
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	5	0.27
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	5	0.27
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	5	0.27
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	5	0.27
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	5	0.27
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	5	0.27
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	5	0.27
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	14	0.27
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	14	0.27
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	14	0.27
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	14	0.27
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	14	0.27
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	14	0.27
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	14	0.27
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	14	0.27
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	14	0.27
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	14	0.27
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	14	0.27
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	14	0.27
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	6	0.27
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	6	0.27
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	6	0.27
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	6	0.27
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	6	0.27
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	6	0.27
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	6	0.27
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	6	0.27
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	6	0.27
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	6	0.27
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	6	0.27
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	6	0.27
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD11	5	0.27
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD12	5	0.27
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD13	5	0.27
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD21	5	0.27
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD22	5	0.27
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD23	5	0.27
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	5	0.27
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	5	0.27
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	5	0.27
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	5	0.27
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	5	0.27
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	5	0.27
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	19	0.27
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	19	0.27
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	19	0.27
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	19	0.27
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	19	0.27
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	5	0.27
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	5	0.27
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	5	0.27
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	5	0.27
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	5	0.27
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	5	0.27
(1,59)	1:474:A:LYS:H	1:474:A:LYS:HG2	12	0.27
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	13	0.27
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	13	0.27
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	13	0.27
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	13	0.27
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	13	0.27
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	13	0.27
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	13	0.27
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	13	0.27
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	13	0.27
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	13	0.27
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	13	0.27
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	13	0.27
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	13	0.27
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	13	0.27
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	13	0.27
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	13	0.27
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	13	0.27
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	13	0.27
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	2	0.27
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	2	0.27
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	2	0.27
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	2	0.27
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	2	0.27
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	2	0.27
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	20	0.27
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	20	0.27
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	20	0.27
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	20	0.27
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	20	0.27
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	20	0.27
(1,39)	1:409:A:ILE:HG21	1:476:A:LEU:HG	10	0.27
(1,39)	1:409:A:ILE:HG22	1:476:A:LEU:HG	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:409:A:ILE:HG23	1:476:A:LEU:HG	10	0.27
(1,36)	1:425:A:PHE:HE1	1:476:A:LEU:HG	3	0.27
(1,36)	1:425:A:PHE:HE2	1:476:A:LEU:HG	3	0.27
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	11	0.27
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	4	0.27
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	11	0.27
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	15	0.27
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	2	0.27
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	14	0.27
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	14	0.27
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	14	0.27
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	10	0.27
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	8	0.27
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	8	0.27
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	8	0.27
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	4	0.27
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	18	0.26
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	18	0.26
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	19	0.26
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	19	0.26
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	17	0.26
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	10	0.26
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	10	0.26
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	10	0.26
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	10	0.26
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	10	0.26
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	10	0.26
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	19	0.26
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	19	0.26
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	19	0.26
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	19	0.26
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	19	0.26
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	19	0.26
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	6	0.26
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	6	0.26
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	8	0.26
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	8	0.26
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	20	0.26
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	20	0.26
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD1	6	0.26
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD2	6	0.26
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD1	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD2	6	0.26
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	12	0.26
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	12	0.26
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	16	0.26
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	16	0.26
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	16	0.26
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	16	0.26
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	16	0.26
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	16	0.26
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	16	0.26
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	16	0.26
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	16	0.26
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	16	0.26
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	16	0.26
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	16	0.26
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	5	0.26
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	5	0.26
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD1	12	0.26
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD2	12	0.26
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD1	17	0.26
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD2	17	0.26
(1,2375)	1:437:A:PHE:HD1	1:438:A:ILE:H	1	0.26
(1,2375)	1:437:A:PHE:HD2	1:438:A:ILE:H	1	0.26
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	2	0.26
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	2	0.26
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	2	0.26
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	2	0.26
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	2	0.26
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	2	0.26
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	4	0.26
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	4	0.26
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	7	0.26
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	7	0.26
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	7	0.26
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	7	0.26
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	7	0.26
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	7	0.26
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	16	0.26
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	16	0.26
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	16	0.26
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	16	0.26
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	16	0.26
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD1	9	0.26
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD2	9	0.26
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD1	15	0.26
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD2	15	0.26
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	12	0.26
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	12	0.26
(1,2340)	1:448:A:PHE:HD1	1:449:A:GLY:H	14	0.26
(1,2340)	1:448:A:PHE:HD2	1:449:A:GLY:H	14	0.26
(1,2340)	1:448:A:PHE:HD1	1:449:A:GLY:H	15	0.26
(1,2340)	1:448:A:PHE:HD2	1:449:A:GLY:H	15	0.26
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB2	1	0.26
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB3	1	0.26
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB2	1	0.26
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB3	1	0.26
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD1	13	0.26
(1,2335)	1:410:A:TYR:HA	1:410:A:TYR:HD2	13	0.26
(1,2321)	1:412:A:LEU:HD11	1:449:A:GLY:H	20	0.26
(1,2321)	1:412:A:LEU:HD12	1:449:A:GLY:H	20	0.26
(1,2321)	1:412:A:LEU:HD13	1:449:A:GLY:H	20	0.26
(1,2321)	1:412:A:LEU:HD21	1:449:A:GLY:H	20	0.26
(1,2321)	1:412:A:LEU:HD22	1:449:A:GLY:H	20	0.26
(1,2321)	1:412:A:LEU:HD23	1:449:A:GLY:H	20	0.26
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	10	0.26
(1,2297)	1:428:A:PHE:HE1	1:466:A:MET:H	18	0.26
(1,2297)	1:428:A:PHE:HE2	1:466:A:MET:H	18	0.26
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	14	0.26
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	5	0.26
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	8	0.26
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	11	0.26
(1,2289)	1:456:A:PRO:HB2	1:460:A:GLN:HE21	18	0.26
(1,2285)	1:463:A:ILE:HG21	1:464:A:GLN:HE21	6	0.26
(1,2285)	1:463:A:ILE:HG22	1:464:A:GLN:HE21	6	0.26
(1,2285)	1:463:A:ILE:HG23	1:464:A:GLN:HE21	6	0.26
(1,2285)	1:463:A:ILE:HG21	1:464:A:GLN:HE21	7	0.26
(1,2285)	1:463:A:ILE:HG22	1:464:A:GLN:HE21	7	0.26
(1,2285)	1:463:A:ILE:HG23	1:464:A:GLN:HE21	7	0.26
(1,2276)	1:464:A:GLN:H	1:464:A:GLN:HE22	16	0.26
(1,2274)	1:456:A:PRO:HB3	1:460:A:GLN:HE22	6	0.26
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB2	15	0.26
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB3	15	0.26
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	12	0.26
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	14	0.26
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	14	0.26
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	2	0.26
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	2	0.26
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	2	0.26
(1,2237)	1:404:A:GLY:H	1:406:A:ASN:HD21	14	0.26
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	13	0.26
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	15	0.26
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	19	0.26
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	11	0.26
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	1	0.26
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	11	0.26
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	11	0.26
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	20	0.26
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	20	0.26
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	17	0.26
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	6	0.26
(1,2111)	1:418:A:ASP:HB3	1:419:A:GLN:H	9	0.26
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	3	0.26
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	15	0.26
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	12	0.26
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	12	0.26
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	2	0.26
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	16	0.26
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	18	0.26
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	3	0.26
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	9	0.26
(1,2073)	1:441:A:GLN:H	1:442:A:THR:H	12	0.26
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	3	0.26
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	12	0.26
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	7	0.26
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	7	0.26
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	1	0.26
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	4	0.26
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	11	0.26
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	1	0.26
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	11	0.26
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	16	0.26
(1,1995)	1:402:A:PRO:HB2	1:403:A:GLU:H	8	0.26
(1,1995)	1:402:A:PRO:HB3	1:403:A:GLU:H	8	0.26
(1,1995)	1:402:A:PRO:HB2	1:403:A:GLU:H	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:402:A:PRO:HB3	1:403:A:GLU:H	17	0.26
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	13	0.26
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	10	0.26
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	13	0.26
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	12	0.26
(1,1962)	1:435:A:LYS:HB2	1:450:A:PHE:H	3	0.26
(1,1962)	1:435:A:LYS:HB3	1:450:A:PHE:H	3	0.26
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	6	0.26
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	14	0.26
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	16	0.26
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE1	2	0.26
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE2	2	0.26
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	2	0.26
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	5	0.26
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	8	0.26
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG21	4	0.26
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG22	4	0.26
(1,1939)	1:409:A:ILE:H	1:409:A:ILE:HG23	4	0.26
(1,1925)	1:452:A:SER:HB2	1:453:A:TYR:H	3	0.26
(1,1924)	1:451:A:VAL:HG11	1:453:A:TYR:H	17	0.26
(1,1924)	1:451:A:VAL:HG12	1:453:A:TYR:H	17	0.26
(1,1924)	1:451:A:VAL:HG13	1:453:A:TYR:H	17	0.26
(1,1922)	1:452:A:SER:HB3	1:453:A:TYR:H	16	0.26
(1,1911)	1:400:A:GLU:H	1:433:A:SER:HB3	10	0.26
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	13	0.26
(1,1895)	1:407:A:LEU:HD11	1:462:A:ALA:H	16	0.26
(1,1895)	1:407:A:LEU:HD12	1:462:A:ALA:H	16	0.26
(1,1895)	1:407:A:LEU:HD13	1:462:A:ALA:H	16	0.26
(1,1895)	1:407:A:LEU:HD21	1:462:A:ALA:H	16	0.26
(1,1895)	1:407:A:LEU:HD22	1:462:A:ALA:H	16	0.26
(1,1895)	1:407:A:LEU:HD23	1:462:A:ALA:H	16	0.26
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	13	0.26
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	14	0.26
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	3	0.26
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	3	0.26
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	12	0.26
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	12	0.26
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	18	0.26
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	18	0.26
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	5	0.26
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	5	0.26
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	14	0.26
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	15	0.26
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	2	0.26
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	2	0.26
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	3	0.26
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	3	0.26
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	1	0.26
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	1	0.26
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	9	0.26
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	9	0.26
(1,1841)	1:480:A:LEU:H	1:481:A:LYS:H	18	0.26
(1,1840)	1:469:A:PHE:HB2	1:476:A:LEU:H	10	0.26
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	7	0.26
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	1	0.26
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	1	0.26
(1,1828)	1:409:A:ILE:HD11	1:410:A:TYR:H	7	0.26
(1,1828)	1:409:A:ILE:HD12	1:410:A:TYR:H	7	0.26
(1,1828)	1:409:A:ILE:HD13	1:410:A:TYR:H	7	0.26
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	1	0.26
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	3	0.26
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	6	0.26
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	7	0.26
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	16	0.26
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	14	0.26
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	14	0.26
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	14	0.26
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	18	0.26
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	18	0.26
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	18	0.26
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	20	0.26
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	20	0.26
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	20	0.26
(1,1794)	1:407:A:LEU:HD11	1:479:A:GLN:H	13	0.26
(1,1794)	1:407:A:LEU:HD12	1:479:A:GLN:H	13	0.26
(1,1794)	1:407:A:LEU:HD13	1:479:A:GLN:H	13	0.26
(1,1794)	1:407:A:LEU:HD21	1:479:A:GLN:H	13	0.26
(1,1794)	1:407:A:LEU:HD22	1:479:A:GLN:H	13	0.26
(1,1794)	1:407:A:LEU:HD23	1:479:A:GLN:H	13	0.26
(1,1788)	1:450:A:PHE:HA	1:451:A:VAL:H	18	0.26
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	9	0.26
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	3	0.26
(1,1733)	1:424:A:MET:HA	1:426:A:MET:H	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	7	0.26
(1,1719)	1:469:A:PHE:HE1	1:470:A:GLN:H	17	0.26
(1,1719)	1:469:A:PHE:HE2	1:470:A:GLN:H	17	0.26
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	13	0.26
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	13	0.26
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	7	0.26
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	7	0.26
(1,1703)	1:402:A:PRO:HG2	1:405:A:ALA:HA	1	0.26
(1,1703)	1:402:A:PRO:HG2	1:405:A:ALA:HA	15	0.26
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	10	0.26
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	10	0.26
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	10	0.26
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	10	0.26
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	10	0.26
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	10	0.26
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	10	0.26
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	10	0.26
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	10	0.26
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	10	0.26
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	10	0.26
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	10	0.26
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	10	0.26
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	12	0.26
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	12	0.26
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	13	0.26
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	13	0.26
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	15	0.26
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	15	0.26
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	11	0.26
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	11	0.26
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	9	0.26
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	20	0.26
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG2	13	0.26
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG3	13	0.26
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	1	0.26
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	1	0.26
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	3	0.26
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	14	0.26
(1,1627)	1:402:A:PRO:HG2	1:455:A:ASN:HA	11	0.26
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	15	0.26
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	15	0.26
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	8	0.26
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	8	0.26
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	8	0.26
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	8	0.26
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	8	0.26
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	8	0.26
(1,1615)	1:413:A:PRO:HG2	1:416:A:PHE:H	4	0.26
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	6	0.26
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	6	0.26
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	13	0.26
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	13	0.26
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	16	0.26
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	16	0.26
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	17	0.26
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	17	0.26
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	16	0.26
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	18	0.26
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	1	0.26
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	1	0.26
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	1	0.26
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	6	0.26
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	6	0.26
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	10	0.26
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	10	0.26
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	11	0.26
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	11	0.26
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	7	0.26
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	7	0.26
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	2	0.26
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	2	0.26
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	2	0.26
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	2	0.26
(1,1534)	1:440:A:LYS:HD2	1:441:A:GLN:HG2	16	0.26
(1,1534)	1:440:A:LYS:HD3	1:441:A:GLN:HG2	16	0.26
(1,1534)	1:440:A:LYS:HD2	1:441:A:GLN:HG2	18	0.26
(1,1534)	1:440:A:LYS:HD3	1:441:A:GLN:HG2	18	0.26
(1,1532)	1:440:A:LYS:HD2	1:441:A:GLN:HB2	1	0.26
(1,1532)	1:440:A:LYS:HD3	1:441:A:GLN:HB2	1	0.26
(1,1532)	1:440:A:LYS:HD2	1:441:A:GLN:HB2	6	0.26
(1,1532)	1:440:A:LYS:HD3	1:441:A:GLN:HB2	6	0.26
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	14	0.26
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	4	0.26
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	4	0.26
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	4	0.26
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	12	0.26
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	12	0.26
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	12	0.26
(1,1503)	1:470:A:GLN:HB3	1:475:A:ARG:HA	16	0.26
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG21	4	0.26
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG22	4	0.26
(1,1491)	1:406:A:ASN:HA	1:451:A:VAL:HG23	4	0.26
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	10	0.26
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	20	0.26
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	20	0.26
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	2	0.26
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	10	0.26
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	10	0.26
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	10	0.26
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	10	0.26
(1,1430)	1:418:A:ASP:HB3	1:435:A:LYS:HA	12	0.26
(1,1426)	1:485:A:ASN:HB2	1:486:A:ASP:HA	16	0.26
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	1	0.26
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	1	0.26
(1,1418)	1:413:A:PRO:HB2	1:475:A:ARG:HA	2	0.26
(1,1418)	1:413:A:PRO:HB3	1:475:A:ARG:HA	2	0.26
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	6	0.26
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	9	0.26
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	4	0.26
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	12	0.26
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	6	0.26
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	6	0.26
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	14	0.26
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	14	0.26
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	15	0.26
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	15	0.26
(1,1391)	1:405:A:ALA:HA	1:459:A:ALA:HA	16	0.26
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG11	14	0.26
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG12	14	0.26
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG13	14	0.26
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG11	14	0.26
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG12	14	0.26
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG13	14	0.26
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	2	0.26
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	2	0.26
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	2	0.26
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	2	0.26
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	2	0.26
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	3	0.26
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	3	0.26
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	3	0.26
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	3	0.26
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	3	0.26
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	3	0.26
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	16	0.26
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	16	0.26
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	16	0.26
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	16	0.26
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	16	0.26
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	16	0.26
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	15	0.26
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	15	0.26
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	15	0.26
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	15	0.26
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	15	0.26
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	15	0.26
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	16	0.26
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	16	0.26
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	16	0.26
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	16	0.26
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	4	0.26
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	4	0.26
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	8	0.26
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	8	0.26
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	13	0.26
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	13	0.26
(1,1343)	1:426:A:MET:HG2	1:431:A:VAL:H	4	0.26
(1,1343)	1:426:A:MET:HG3	1:431:A:VAL:H	4	0.26
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG21	7	0.26
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG22	7	0.26
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG23	7	0.26
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG21	7	0.26
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG22	7	0.26
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG23	7	0.26
(1,1321)	1:431:A:VAL:HB	1:433:A:SER:H	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	3	0.26
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	13	0.26
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	15	0.26
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	15	0.26
(1,1289)	1:405:A:ALA:HA	1:456:A:PRO:HB2	18	0.26
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	4	0.26
(1,1274)	1:456:A:PRO:HB2	1:457:A:VAL:H	18	0.26
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	4	0.26
(1,1252)	1:431:A:VAL:HA	1:452:A:SER:HA	8	0.26
(1,1242)	1:483:A:SER:HB2	1:484:A:LYS:HB3	8	0.26
(1,1242)	1:483:A:SER:HB3	1:484:A:LYS:HB3	8	0.26
(1,1238)	1:451:A:VAL:HG11	1:452:A:SER:HA	6	0.26
(1,1238)	1:451:A:VAL:HG12	1:452:A:SER:HA	6	0.26
(1,1238)	1:451:A:VAL:HG13	1:452:A:SER:HA	6	0.26
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	20	0.26
(1,1226)	1:399:A:LYS:HA	1:400:A:GLU:HG3	7	0.26
(1,1226)	1:399:A:LYS:HA	1:400:A:GLU:HG3	12	0.26
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	1	0.26
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	1	0.26
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	6	0.26
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	6	0.26
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	11	0.26
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	11	0.26
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	15	0.26
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	15	0.26
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG2	8	0.26
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG3	8	0.26
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG2	7	0.26
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG3	7	0.26
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG2	7	0.26
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG3	7	0.26
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG2	7	0.26
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG3	7	0.26
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG2	7	0.26
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG3	7	0.26
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG2	7	0.26
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG3	7	0.26
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG2	7	0.26
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG3	7	0.26
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG2	12	0.26
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG3	12	0.26
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG2	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG3	12	0.26
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG2	12	0.26
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG3	12	0.26
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG2	12	0.26
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG3	12	0.26
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG2	12	0.26
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG3	12	0.26
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG2	12	0.26
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG3	12	0.26
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG2	15	0.26
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG3	15	0.26
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG2	15	0.26
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG3	15	0.26
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG2	15	0.26
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG3	15	0.26
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG2	15	0.26
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG3	15	0.26
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG2	15	0.26
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG3	15	0.26
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG2	15	0.26
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG3	15	0.26
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG2	16	0.26
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG3	16	0.26
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG2	16	0.26
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG3	16	0.26
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG2	16	0.26
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG3	16	0.26
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG2	16	0.26
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG3	16	0.26
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG2	16	0.26
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG3	16	0.26
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG2	16	0.26
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG3	16	0.26
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG2	1	0.26
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG3	1	0.26
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	9	0.26
(1,1181)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	2	0.26
(1,1181)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	2	0.26
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	3	0.26
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	3	0.26
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	18	0.26
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1143)	1:408:A:PHE:HA	1:450:A:PHE:HA	16	0.26
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	7	0.26
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	1	0.26
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	7	0.26
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	12	0.26
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	18	0.26
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	15	0.26
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	15	0.26
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	15	0.26
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	16	0.26
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	16	0.26
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	16	0.26
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	1	0.26
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	1	0.26
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	9	0.26
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	15	0.26
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	17	0.26
(1,1103)	1:479:A:GLN:HG2	1:480:A:LEU:H	7	0.26
(1,1103)	1:479:A:GLN:HG3	1:480:A:LEU:H	7	0.26
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	17	0.26
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	17	0.26
(1,1099)	1:463:A:ILE:HD11	1:478:A:VAL:HB	1	0.26
(1,1099)	1:463:A:ILE:HD12	1:478:A:VAL:HB	1	0.26
(1,1099)	1:463:A:ILE:HD13	1:478:A:VAL:HB	1	0.26
(1,1085)	1:440:A:LYS:HG2	1:441:A:GLN:HG3	6	0.26
(1,1085)	1:440:A:LYS:HG3	1:441:A:GLN:HG3	6	0.26
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	20	0.26
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	2	0.26
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	2	0.26
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	2	0.26
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	6	0.26
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	6	0.26
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	7	0.26
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	7	0.26
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	16	0.26
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	16	0.26
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	15	0.26
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	15	0.26
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	20	0.26
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	20	0.26
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	13	0.26
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	11	0.26
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	11	0.26
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	15	0.26
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	15	0.26
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG21	14	0.26
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG22	14	0.26
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG23	14	0.26
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	7	0.26
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	18	0.26
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	2	0.26
(1,999)	1:403:A:GLU:H	1:403:A:GLU:HG2	16	0.26
(1,998)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	14	0.26
(1,998)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	16	0.26
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	1	0.26
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	15	0.26
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	17	0.26
(1,982)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	2	0.26
(1,982)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	2	0.26
(1,982)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	2	0.26
(1,982)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	18	0.26
(1,982)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	18	0.26
(1,982)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	18	0.26
(1,977)	1:432:A:ILE:HD11	1:454:A:ASP:HA	2	0.26
(1,977)	1:432:A:ILE:HD12	1:454:A:ASP:HA	2	0.26
(1,977)	1:432:A:ILE:HD13	1:454:A:ASP:HA	2	0.26
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	5	0.26
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	5	0.26
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	5	0.26
(1,964)	1:422:A:LEU:HA	1:434:A:ALA:HA	4	0.26
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	9	0.26
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	9	0.26
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	19	0.26
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	19	0.26
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	11	0.26
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	11	0.26
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	11	0.26
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	11	0.26
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	11	0.26
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	11	0.26
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	4	0.26
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	4	0.26
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	19	0.26
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	19	0.26
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	19	0.26
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	3	0.26
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	5	0.26
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	5	0.26
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	5	0.26
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	16	0.26
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	16	0.26
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	16	0.26
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	18	0.26
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	18	0.26
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	18	0.26
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	20	0.26
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	20	0.26
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	20	0.26
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	12	0.26
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	12	0.26
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	12	0.26
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	18	0.26
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	18	0.26
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	18	0.26
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	11	0.26
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	11	0.26
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	11	0.26
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	11	0.26
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	11	0.26
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	11	0.26
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	20	0.26
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	20	0.26
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	20	0.26
(1,878)	1:433:A:SER:HB3	1:451:A:VAL:HA	16	0.26
(1,878)	1:433:A:SER:HB3	1:451:A:VAL:HA	17	0.26
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG11	4	0.26
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG12	4	0.26
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG13	4	0.26
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG11	4	0.26
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG12	4	0.26
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG13	4	0.26
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	6	0.26
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	6	0.26
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	6	0.26
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	6	0.26
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	6	0.26
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	13	0.26
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	13	0.26
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	13	0.26
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	3	0.26
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	3	0.26
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	3	0.26
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	17	0.26
(1,838)	1:443:A:ASN:HB3	1:444:A:LEU:H	2	0.26
(1,838)	1:443:A:ASN:HB3	1:444:A:LEU:H	7	0.26
(1,838)	1:443:A:ASN:HB3	1:444:A:LEU:H	13	0.26
(1,838)	1:443:A:ASN:HB3	1:444:A:LEU:H	14	0.26
(1,838)	1:443:A:ASN:HB3	1:444:A:LEU:H	16	0.26
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	7	0.26
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	14	0.26
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	13	0.26
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	13	0.26
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	13	0.26
(1,800)	1:442:A:THR:HA	1:443:A:ASN:HB3	3	0.26
(1,800)	1:442:A:THR:HA	1:443:A:ASN:HB3	14	0.26
(1,800)	1:442:A:THR:HA	1:443:A:ASN:HB3	19	0.26
(1,800)	1:442:A:THR:HA	1:443:A:ASN:HB3	20	0.26
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	11	0.26
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	11	0.26
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	7	0.26
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	10	0.26
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	10	0.26
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	10	0.26
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	10	0.26
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	10	0.26
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	10	0.26
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	10	0.26
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	10	0.26
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	10	0.26
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	12	0.26
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	12	0.26
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	12	0.26
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	12	0.26
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	12	0.26
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	12	0.26
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	12	0.26
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	12	0.26
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	15	0.26
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	15	0.26
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	15	0.26
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	15	0.26
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	15	0.26
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	15	0.26
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	15	0.26
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	15	0.26
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	15	0.26
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	12	0.26
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	12	0.26
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	12	0.26
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	12	0.26
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	12	0.26
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	12	0.26
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	19	0.26
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	19	0.26
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	19	0.26
(1,767)	1:409:A:ILE:HD11	1:449:A:GLY:H	12	0.26
(1,767)	1:409:A:ILE:HD12	1:449:A:GLY:H	12	0.26
(1,767)	1:409:A:ILE:HD13	1:449:A:GLY:H	12	0.26
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	8	0.26
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	15	0.26
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	6	0.26
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	13	0.26
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	19	0.26
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	20	0.26
(1,735)	1:412:A:LEU:HB3	1:416:A:PHE:HB3	11	0.26
(1,735)	1:412:A:LEU:HB3	1:416:A:PHE:HB3	12	0.26
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	3	0.26
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	9	0.26
(1,724)	1:413:A:PRO:HG2	1:471:A:ILE:HB	18	0.26
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	9	0.26
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	9	0.26
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	9	0.26
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	9	0.26
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	9	0.26
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	9	0.26
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	10	0.26
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	10	0.26
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	15	0.26
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	15	0.26
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	15	0.26
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	19	0.26
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	19	0.26
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	19	0.26
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	6	0.26
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	6	0.26
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	6	0.26
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	3	0.26
(1,664)	1:419:A:GLN:HB2	1:420:A:ASP:HB3	9	0.26
(1,660)	1:489:A:PRO:HA	1:490:A:TYR:HB2	16	0.26
(1,660)	1:489:A:PRO:HA	1:490:A:TYR:HB2	17	0.26
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	17	0.26
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	17	0.26
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	17	0.26
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	17	0.26
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	17	0.26
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	17	0.26
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	11	0.26
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	11	0.26
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	11	0.26
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	8	0.26
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	8	0.26
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	12	0.26
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	12	0.26
(1,626)	1:444:A:LEU:HB3	1:445:A:SER:HB3	20	0.26
(1,625)	1:466:A:MET:HG2	1:469:A:PHE:HB2	9	0.26
(1,625)	1:466:A:MET:HG3	1:469:A:PHE:HB2	9	0.26
(1,625)	1:466:A:MET:HG2	1:469:A:PHE:HB2	19	0.26
(1,625)	1:466:A:MET:HG3	1:469:A:PHE:HB2	19	0.26
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	2	0.26
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	2	0.26
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	2	0.26
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	2	0.26
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	2	0.26
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	2	0.26
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	3	0.26
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	3	0.26
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	6	0.26
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	6	0.26
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	6	0.26
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	14	0.26
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	14	0.26
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	11	0.26
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	11	0.26
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	11	0.26
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	19	0.26
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	19	0.26
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	19	0.26
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	11	0.26
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	11	0.26
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	11	0.26
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	11	0.26
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	11	0.26
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	11	0.26
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	11	0.26
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	11	0.26
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	11	0.26
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	20	0.26
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	20	0.26
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	20	0.26
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	20	0.26
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	20	0.26
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	20	0.26
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	20	0.26
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	20	0.26
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	20	0.26
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	12	0.26
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	12	0.26
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	12	0.26
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	14	0.26
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	12	0.26
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE1	17	0.26
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE2	17	0.26
(1,535)	1:455:A:ASN:HB3	1:456:A:PRO:HD3	19	0.26
(1,532)	1:455:A:ASN:HB2	1:457:A:VAL:HB	5	0.26
(1,524)	1:406:A:ASN:H	1:456:A:PRO:HA	12	0.26
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	16	0.26
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE1	4	0.26
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE2	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:435:A:LYS:HE2	1:439:A:ASP:HB2	2	0.26
(1,514)	1:435:A:LYS:HE3	1:439:A:ASP:HB2	2	0.26
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	5	0.26
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	5	0.26
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE2	6	0.26
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE3	6	0.26
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE2	13	0.26
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE3	13	0.26
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE2	14	0.26
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE3	14	0.26
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE2	15	0.26
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE3	15	0.26
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE2	9	0.26
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE3	9	0.26
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE2	13	0.26
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE3	13	0.26
(1,467)	1:412:A:LEU:HB3	1:449:A:GLY:HA3	15	0.26
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG21	12	0.26
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG22	12	0.26
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG23	12	0.26
(1,445)	1:431:A:VAL:HG21	1:433:A:SER:HB3	20	0.26
(1,445)	1:431:A:VAL:HG22	1:433:A:SER:HB3	20	0.26
(1,445)	1:431:A:VAL:HG23	1:433:A:SER:HB3	20	0.26
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	1	0.26
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	5	0.26
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	19	0.26
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	19	0.26
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	19	0.26
(1,425)	1:433:A:SER:HB2	1:434:A:ALA:HA	4	0.26
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB2	6	0.26
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB3	6	0.26
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB2	6	0.26
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB3	6	0.26
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB2	6	0.26
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB3	6	0.26
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	18	0.26
(1,375)	1:468:A:GLY:H	1:475:A:ARG:HD3	2	0.26
(1,368)	1:432:A:ILE:HB	1:452:A:SER:HB2	8	0.26
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	14	0.26
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	14	0.26
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	14	0.26
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	14	0.26
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	14	0.26
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	14	0.26
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	14	0.26
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	14	0.26
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	14	0.26
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	14	0.26
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	14	0.26
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	14	0.26
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	14	0.26
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	14	0.26
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	14	0.26
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	14	0.26
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	14	0.26
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	3	0.26
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	3	0.26
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	3	0.26
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	6	0.26
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	6	0.26
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	6	0.26
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	6	0.26
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	4	0.26
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	4	0.26
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	4	0.26
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	4	0.26
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	4	0.26
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	4	0.26
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	4	0.26
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	4	0.26
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	4	0.26
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	19	0.26
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	19	0.26
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	19	0.26
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	19	0.26
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	19	0.26
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	19	0.26
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	19	0.26
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	19	0.26
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	19	0.26
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	12	0.26
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	12	0.26
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	8	0.26
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	8	0.26
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	8	0.26
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	13	0.26
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	13	0.26
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	13	0.26
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	19	0.26
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	19	0.26
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	19	0.26
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	9	0.26
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	9	0.26
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	9	0.26
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	19	0.26
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	19	0.26
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	19	0.26
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	19	0.26
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	19	0.26
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	19	0.26
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	13	0.26
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	13	0.26
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	13	0.26
(1,327)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	2	0.26
(1,327)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	2	0.26
(1,327)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	2	0.26
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	17	0.26
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	17	0.26
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	17	0.26
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	17	0.26
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	17	0.26
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	17	0.26
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	5	0.26
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	16	0.26
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	20	0.26
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	11	0.26
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	9	0.26
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	9	0.26
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	13	0.26
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	13	0.26
(1,308)	1:449:A:GLY:HA3	1:450:A:PHE:HB3	1	0.26
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	10	0.26
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	17	0.26
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	17	0.26
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	17	0.26
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	17	0.26
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	17	0.26
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	3	0.26
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	3	0.26
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	3	0.26
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	7	0.26
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	7	0.26
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	7	0.26
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	8	0.26
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	8	0.26
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	8	0.26
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	19	0.26
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	19	0.26
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	19	0.26
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	2	0.26
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	2	0.26
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	2	0.26
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	5	0.26
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	5	0.26
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	5	0.26
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	5	0.26
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	5	0.26
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	5	0.26
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	8	0.26
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	8	0.26
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	8	0.26
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	8	0.26
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	8	0.26
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE1	15	0.26
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE2	15	0.26
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE1	17	0.26
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE2	17	0.26
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG21	7	0.26
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG22	7	0.26
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG23	7	0.26
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG21	7	0.26
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG22	7	0.26
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG23	7	0.26
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	16	0.26
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	16	0.26
(1,200)	1:404:A:GLY:HA2	1:456:A:PRO:HB3	3	0.26
(1,200)	1:404:A:GLY:HA2	1:456:A:PRO:HB3	4	0.26
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	5	0.26
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	5	0.26
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	5	0.26
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	8	0.26
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	8	0.26
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	17	0.26
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	17	0.26
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	17	0.26
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	17	0.26
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	17	0.26
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	17	0.26
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	17	0.26
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	17	0.26
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	17	0.26
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	17	0.26
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	17	0.26
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	17	0.26
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	10	0.26
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	10	0.26
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	10	0.26
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	10	0.26
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	10	0.26
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	10	0.26
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	11	0.26
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	11	0.26
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	11	0.26
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	11	0.26
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	11	0.26
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	11	0.26
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	2	0.26
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	2	0.26
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	2	0.26
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	2	0.26
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	2	0.26
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	2	0.26
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	2	0.26
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	2	0.26
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	2	0.26
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	2	0.26
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	2	0.26
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	2	0.26
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	2	0.26
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	2	0.26
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	2	0.26
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	2	0.26
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	2	0.26
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	6	0.26
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	6	0.26
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	6	0.26
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	6	0.26
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	6	0.26
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	6	0.26
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	6	0.26
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	6	0.26
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	6	0.26
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	6	0.26
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	6	0.26
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	6	0.26
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	6	0.26
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	6	0.26
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	6	0.26
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	6	0.26
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	6	0.26
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	6	0.26
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	3	0.26
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	3	0.26
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	3	0.26
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	17	0.26
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	17	0.26
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	17	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	4	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	4	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	4	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	4	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	4	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	4	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	4	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	4	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	4	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	4	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	4	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	4	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	4	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	4	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	4	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	4	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	4	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	4	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	4	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	4	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	4	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	4	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	4	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	4	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	4	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	4	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	4	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	4	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	4	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	4	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	4	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	4	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	4	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	4	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	4	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	6	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	6	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	6	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	6	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	6	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	6	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	6	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	6	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	6	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	6	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	6	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	6	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	6	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	6	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	6	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	6	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	6	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	6	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	6	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	6	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	6	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	6	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	6	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	6	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	6	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	6	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	6	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	6	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	6	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	6	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	6	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	6	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	6	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	6	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	6	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	17	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	17	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	17	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	17	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	17	0.26
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	17	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	17	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	17	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	17	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	17	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	17	0.26
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	17	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	17	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	17	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	17	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	17	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	17	0.26
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	17	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	17	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	17	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	17	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	17	0.26
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	17	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	17	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	17	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	17	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	17	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	17	0.26
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	17	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	17	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	17	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	17	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	17	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	17	0.26
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	17	0.26
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	10	0.26
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	10	0.26
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	10	0.26
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	10	0.26
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	10	0.26
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	10	0.26
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	19	0.26
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	19	0.26
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	19	0.26
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	19	0.26
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	19	0.26
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	19	0.26
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	14	0.26
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	14	0.26
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	14	0.26
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	14	0.26
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	14	0.26
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	14	0.26
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	4	0.26
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	4	0.26
(1,59)	1:474:A:LYS:H	1:474:A:LYS:HG2	8	0.26
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	3	0.26
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	3	0.26
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	3	0.26
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	3	0.26
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	3	0.26
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	3	0.26
(1,36)	1:425:A:PHE:HE1	1:476:A:LEU:HG	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:425:A:PHE:HE2	1:476:A:LEU:HG	8	0.26
(1,36)	1:425:A:PHE:HE1	1:476:A:LEU:HG	17	0.26
(1,36)	1:425:A:PHE:HE2	1:476:A:LEU:HG	17	0.26
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	6	0.26
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	9	0.26
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	11	0.26
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	4	0.26
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	19	0.26
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	15	0.26
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	15	0.26
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	15	0.26
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG2	13	0.25
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG3	13	0.25
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG2	13	0.25
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG3	13	0.25
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG2	20	0.25
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG3	20	0.25
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG2	20	0.25
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG3	20	0.25
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	15	0.25
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE1	6	0.25
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE2	6	0.25
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	7	0.25
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	7	0.25
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	7	0.25
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	7	0.25
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	7	0.25
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	7	0.25
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	2	0.25
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	2	0.25
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	9	0.25
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	9	0.25
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD1	3	0.25
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD2	3	0.25
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD1	3	0.25
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD2	3	0.25
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	3	0.25
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	3	0.25
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	8	0.25
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	8	0.25
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	8	0.25
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	8	0.25
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	8	0.25
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	8	0.25
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	8	0.25
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	8	0.25
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	8	0.25
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	8	0.25
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	8	0.25
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	14	0.25
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	14	0.25
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	14	0.25
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	14	0.25
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	14	0.25
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	14	0.25
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	14	0.25
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	14	0.25
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	14	0.25
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	14	0.25
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	14	0.25
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	14	0.25
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	7	0.25
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	7	0.25
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD1	3	0.25
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD2	3	0.25
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD1	5	0.25
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD2	5	0.25
(1,2375)	1:437:A:PHE:HD1	1:438:A:ILE:H	12	0.25
(1,2375)	1:437:A:PHE:HD2	1:438:A:ILE:H	12	0.25
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD1	18	0.25
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD2	18	0.25
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	18	0.25
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	18	0.25
(1,2342)	1:448:A:PHE:H	1:448:A:PHE:HD1	8	0.25
(1,2342)	1:448:A:PHE:H	1:448:A:PHE:HD2	8	0.25
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	12	0.25
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	12	0.25
(1,2340)	1:448:A:PHE:HD1	1:449:A:GLY:H	10	0.25
(1,2340)	1:448:A:PHE:HD2	1:449:A:GLY:H	10	0.25
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB2	11	0.25
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB3	11	0.25
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB2	11	0.25
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB3	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB2	16	0.25
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB3	16	0.25
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB2	16	0.25
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB3	16	0.25
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	1	0.25
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	5	0.25
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	7	0.25
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	10	0.25
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	15	0.25
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	16	0.25
(1,2298)	1:463:A:ILE:HA	1:466:A:MET:H	18	0.25
(1,2297)	1:428:A:PHE:HE1	1:466:A:MET:H	4	0.25
(1,2297)	1:428:A:PHE:HE2	1:466:A:MET:H	4	0.25
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	18	0.25
(1,2284)	1:422:A:LEU:HB2	1:423:A:GLN:HE21	12	0.25
(1,2284)	1:422:A:LEU:HB2	1:423:A:GLN:HE21	18	0.25
(1,2276)	1:464:A:GLN:H	1:464:A:GLN:HE22	6	0.25
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	11	0.25
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	11	0.25
(1,2244)	1:444:A:LEU:HD11	1:479:A:GLN:HE22	18	0.25
(1,2244)	1:444:A:LEU:HD12	1:479:A:GLN:HE22	18	0.25
(1,2244)	1:444:A:LEU:HD13	1:479:A:GLN:HE22	18	0.25
(1,2244)	1:444:A:LEU:HD21	1:479:A:GLN:HE22	18	0.25
(1,2244)	1:444:A:LEU:HD22	1:479:A:GLN:HE22	18	0.25
(1,2244)	1:444:A:LEU:HD23	1:479:A:GLN:HE22	18	0.25
(1,2241)	1:445:A:SER:HB2	1:479:A:GLN:HE22	11	0.25
(1,2240)	1:445:A:SER:HB3	1:479:A:GLN:HE22	4	0.25
(1,2237)	1:404:A:GLY:H	1:406:A:ASN:HD21	11	0.25
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	4	0.25
(1,2233)	1:484:A:LYS:HG2	1:485:A:ASN:HD22	11	0.25
(1,2233)	1:484:A:LYS:HG3	1:485:A:ASN:HD22	11	0.25
(1,2223)	1:453:A:TYR:HA	1:454:A:ASP:H	10	0.25
(1,2216)	1:430:A:ASN:HD21	1:454:A:ASP:HB3	20	0.25
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	2	0.25
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	2	0.25
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	18	0.25
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	18	0.25
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	11	0.25
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	4	0.25
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	18	0.25
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	15	0.25
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	6	0.25
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	6	0.25
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	1	0.25
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	7	0.25
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	11	0.25
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	15	0.25
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	17	0.25
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	9	0.25
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	19	0.25
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	6	0.25
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	14	0.25
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	19	0.25
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	3	0.25
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	3	0.25
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	10	0.25
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	10	0.25
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	8	0.25
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	19	0.25
(1,2049)	1:406:A:ASN:HA	1:406:A:ASN:HD22	9	0.25
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	13	0.25
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	13	0.25
(1,2025)	1:468:A:GLY:H	1:478:A:VAL:H	4	0.25
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG21	20	0.25
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG22	20	0.25
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG23	20	0.25
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	2	0.25
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	1	0.25
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	3	0.25
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	6	0.25
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	16	0.25
(1,1995)	1:402:A:PRO:HB2	1:403:A:GLU:H	5	0.25
(1,1995)	1:402:A:PRO:HB3	1:403:A:GLU:H	5	0.25
(1,1995)	1:402:A:PRO:HB2	1:403:A:GLU:H	9	0.25
(1,1995)	1:402:A:PRO:HB3	1:403:A:GLU:H	9	0.25
(1,1975)	1:470:A:GLN:HG2	1:475:A:ARG:H	8	0.25
(1,1975)	1:470:A:GLN:HG3	1:475:A:ARG:H	8	0.25
(1,1974)	1:411:A:HIS:HB3	1:475:A:ARG:H	11	0.25
(1,1960)	1:436:A:VAL:HA	1:450:A:PHE:H	18	0.25
(1,1960)	1:436:A:VAL:HA	1:450:A:PHE:H	19	0.25
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	2	0.25
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	1	0.25
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	17	0.25
(1,1932)	1:435:A:LYS:H	1:435:A:LYS:HG2	6	0.25
(1,1930)	1:435:A:LYS:H	1:450:A:PHE:HB3	9	0.25
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	9	0.25
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	9	0.25
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	9	0.25
(1,1908)	1:438:A:ILE:H	1:438:A:ILE:HB	6	0.25
(1,1901)	1:418:A:ASP:H	1:418:A:ASP:HB3	18	0.25
(1,1901)	1:418:A:ASP:H	1:418:A:ASP:HB3	20	0.25
(1,1896)	1:418:A:ASP:H	1:419:A:GLN:H	16	0.25
(1,1895)	1:407:A:LEU:HD11	1:462:A:ALA:H	4	0.25
(1,1895)	1:407:A:LEU:HD12	1:462:A:ALA:H	4	0.25
(1,1895)	1:407:A:LEU:HD13	1:462:A:ALA:H	4	0.25
(1,1895)	1:407:A:LEU:HD21	1:462:A:ALA:H	4	0.25
(1,1895)	1:407:A:LEU:HD22	1:462:A:ALA:H	4	0.25
(1,1895)	1:407:A:LEU:HD23	1:462:A:ALA:H	4	0.25
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	4	0.25
(1,1886)	1:428:A:PHE:HD1	1:462:A:ALA:H	15	0.25
(1,1886)	1:428:A:PHE:HD2	1:462:A:ALA:H	15	0.25
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	18	0.25
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	19	0.25
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	15	0.25
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	16	0.25
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	17	0.25
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	16	0.25
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	16	0.25
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	2	0.25
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	2	0.25
(1,1867)	1:418:A:ASP:HB2	1:436:A:VAL:H	12	0.25
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	5	0.25
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	6	0.25
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	10	0.25
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	17	0.25
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	18	0.25
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	9	0.25
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	9	0.25
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	12	0.25
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	12	0.25
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	16	0.25
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	16	0.25
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	4	0.25
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	12	0.25
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	12	0.25
(1,1849)	1:399:A:LYS:H	1:433:A:SER:HA	20	0.25
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	5	0.25
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	5	0.25
(1,1841)	1:480:A:LEU:H	1:481:A:LYS:H	15	0.25
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	5	0.25
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	19	0.25
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG21	19	0.25
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG22	19	0.25
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG23	19	0.25
(1,1815)	1:469:A:PHE:H	1:476:A:LEU:HA	10	0.25
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	1	0.25
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	2	0.25
(1,1801)	1:410:A:TYR:HB2	1:477:A:LYS:H	1	0.25
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	6	0.25
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	12	0.25
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	12	0.25
(1,1778)	1:434:A:ALA:H	1:435:A:LYS:HG2	9	0.25
(1,1764)	1:437:A:PHE:H	1:449:A:GLY:HA3	1	0.25
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	8	0.25
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	9	0.25
(1,1758)	1:471:A:ILE:H	1:471:A:ILE:HB	1	0.25
(1,1751)	1:467:A:ASN:HA	1:478:A:VAL:H	11	0.25
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	1	0.25
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	1	0.25
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	12	0.25
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	12	0.25
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	6	0.25
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	6	0.25
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	6	0.25
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	6	0.25
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	14	0.25
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	14	0.25
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	14	0.25
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	14	0.25
(1,1703)	1:402:A:PRO:HG2	1:405:A:ALA:HA	6	0.25
(1,1702)	1:402:A:PRO:HG2	1:456:A:PRO:HA	20	0.25
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	3	0.25
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	4	0.25
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	5	0.25
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	16	0.25
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	16	0.25
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	18	0.25
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	18	0.25
(1,1683)	1:482:A:ARG:H	1:482:A:ARG:HG2	3	0.25
(1,1683)	1:482:A:ARG:H	1:482:A:ARG:HG3	3	0.25
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	16	0.25
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	4	0.25
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	12	0.25
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	12	0.25
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	3	0.25
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	3	0.25
(1,1636)	1:411:A:HIS:HB3	1:413:A:PRO:HG3	16	0.25
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	12	0.25
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	16	0.25
(1,1630)	1:405:A:ALA:HA	1:452:A:SER:HA	11	0.25
(1,1619)	1:412:A:LEU:HA	1:413:A:PRO:HG3	18	0.25
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	19	0.25
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	19	0.25
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	19	0.25
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	19	0.25
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	19	0.25
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	19	0.25
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	19	0.25
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	19	0.25
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	3	0.25
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	3	0.25
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	15	0.25
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	15	0.25
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	2	0.25
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	20	0.25
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	2	0.25
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	2	0.25
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD1	10	0.25
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD2	10	0.25
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD1	10	0.25
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD2	10	0.25
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	13	0.25
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	13	0.25
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	13	0.25
(1,1579)	1:470:A:GLN:HB3	1:475:A:ARG:HD2	9	0.25
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	16	0.25
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	16	0.25
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	7	0.25
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	10	0.25
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	11	0.25
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	5	0.25
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	5	0.25
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	5	0.25
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	11	0.25
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	11	0.25
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	11	0.25
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	11	0.25
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	11	0.25
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	17	0.25
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	17	0.25
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	7	0.25
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	7	0.25
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	7	0.25
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	7	0.25
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	11	0.25
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	11	0.25
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	11	0.25
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	11	0.25
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	14	0.25
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	14	0.25
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	14	0.25
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	14	0.25
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	7	0.25
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	7	0.25
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	7	0.25
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	7	0.25
(1,1532)	1:440:A:LYS:HD2	1:441:A:GLN:HB2	9	0.25
(1,1532)	1:440:A:LYS:HD3	1:441:A:GLN:HB2	9	0.25
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	16	0.25
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	16	0.25
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	16	0.25
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	3	0.25
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	5	0.25
(1,1504)	1:402:A:PRO:HA	1:403:A:GLU:HB2	1	0.25
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	7	0.25
(1,1484)	1:406:A:ASN:HA	1:451:A:VAL:H	3	0.25
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	14	0.25
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	2	0.25
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	2	0.25
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	2	0.25
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	2	0.25
(1,1433)	1:464:A:GLN:HG2	1:465:A:ALA:HA	4	0.25
(1,1433)	1:464:A:GLN:HG3	1:465:A:ALA:HA	4	0.25
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	18	0.25
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	20	0.25
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	20	0.25
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	17	0.25
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	17	0.25
(1,1396)	1:453:A:TYR:HD1	1:459:A:ALA:HA	10	0.25
(1,1396)	1:453:A:TYR:HD2	1:459:A:ALA:HA	10	0.25
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	2	0.25
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	8	0.25
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	14	0.25
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	18	0.25
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	19	0.25
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG21	20	0.25
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG22	20	0.25
(1,1383)	1:477:A:LYS:HA	1:478:A:VAL:HG23	20	0.25
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	14	0.25
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	14	0.25
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	14	0.25
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	14	0.25
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	6	0.25
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	6	0.25
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	6	0.25
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	6	0.25
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	6	0.25
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	6	0.25
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	11	0.25
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	11	0.25
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	11	0.25
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	11	0.25
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	11	0.25
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	11	0.25
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	15	0.25
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	15	0.25
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	15	0.25
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	1	0.25
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	1	0.25
(1,1343)	1:426:A:MET:HG2	1:431:A:VAL:H	13	0.25
(1,1343)	1:426:A:MET:HG3	1:431:A:VAL:H	13	0.25
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG11	13	0.25
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG12	13	0.25
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG13	13	0.25
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG11	13	0.25
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG12	13	0.25
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG13	13	0.25
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	6	0.25
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	6	0.25
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	16	0.25
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	16	0.25
(1,1325)	1:448:A:PHE:HA	1:449:A:GLY:HA3	6	0.25
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	9	0.25
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	9	0.25
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	9	0.25
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	9	0.25
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	12	0.25
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	12	0.25
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	12	0.25
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	12	0.25
(1,1309)	1:472:A:GLY:HA3	1:473:A:MET:HG2	18	0.25
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	19	0.25
(1,1302)	1:472:A:GLY:HA3	1:473:A:MET:HG3	10	0.25
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	11	0.25
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	12	0.25
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	2	0.25
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	14	0.25
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	14	0.25
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	17	0.25
(1,1271)	1:404:A:GLY:HA2	1:456:A:PRO:HB2	14	0.25
(1,1268)	1:405:A:ALA:H	1:456:A:PRO:HB2	17	0.25
(1,1264)	1:405:A:ALA:HB1	1:456:A:PRO:HB3	16	0.25
(1,1264)	1:405:A:ALA:HB2	1:456:A:PRO:HB3	16	0.25
(1,1264)	1:405:A:ALA:HB3	1:456:A:PRO:HB3	16	0.25
(1,1258)	1:451:A:VAL:HA	1:452:A:SER:HA	1	0.25
(1,1240)	1:469:A:PHE:HD1	1:470:A:GLN:HA	10	0.25
(1,1240)	1:469:A:PHE:HD2	1:470:A:GLN:HA	10	0.25
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	3	0.25
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	17	0.25
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	18	0.25
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	10	0.25
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	10	0.25
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	14	0.25
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	14	0.25
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	1	0.25
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	1	0.25
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	14	0.25
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	14	0.25
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	8	0.25
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	8	0.25
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG2	11	0.25
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG3	11	0.25
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	1	0.25
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	8	0.25
(1,1181)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	11	0.25
(1,1181)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	11	0.25
(1,1180)	1:480:A:LEU:HA	1:481:A:LYS:HB3	11	0.25
(1,1160)	1:480:A:LEU:HA	1:481:A:LYS:HB2	16	0.25
(1,1143)	1:408:A:PHE:HA	1:450:A:PHE:HA	18	0.25
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	10	0.25
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	3	0.25
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	16	0.25
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	20	0.25
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	3	0.25
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	3	0.25
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	8	0.25
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	8	0.25
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	7	0.25
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG21	2	0.25
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG22	2	0.25
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG23	2	0.25
(1,1085)	1:440:A:LYS:HG2	1:441:A:GLN:HG3	18	0.25
(1,1085)	1:440:A:LYS:HG3	1:441:A:GLN:HG3	18	0.25
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	12	0.25
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	12	0.25
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	12	0.25
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	15	0.25
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	15	0.25
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	15	0.25
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	8	0.25
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	8	0.25
(1,1068)	1:424:A:MET:HB2	1:425:A:PHE:HA	4	0.25
(1,1068)	1:424:A:MET:HB3	1:425:A:PHE:HA	4	0.25
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	1	0.25
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	1	0.25
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	15	0.25
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	15	0.25
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	2	0.25
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	2	0.25
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	5	0.25
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	5	0.25
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB2	16	0.25
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB3	16	0.25
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	1	0.25
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	1	0.25
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	14	0.25
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	14	0.25
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	17	0.25
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	17	0.25
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	18	0.25
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	18	0.25
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	12	0.25
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	4	0.25
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	14	0.25
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	19	0.25
(1,1002)	1:435:A:LYS:HE2	1:437:A:PHE:HA	1	0.25
(1,1002)	1:435:A:LYS:HE3	1:437:A:PHE:HA	1	0.25
(1,999)	1:403:A:GLU:H	1:403:A:GLU:HG2	11	0.25
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	8	0.25
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	16	0.25
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	16	0.25
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	16	0.25
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	14	0.25
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	14	0.25
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	14	0.25
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD11	7	0.25
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD12	7	0.25
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD13	7	0.25
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD11	19	0.25
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD12	19	0.25
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD13	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD11	18	0.25
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD12	18	0.25
(1,972)	1:399:A:LYS:HG2	1:432:A:ILE:HD13	18	0.25
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD11	18	0.25
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD12	18	0.25
(1,972)	1:399:A:LYS:HG3	1:432:A:ILE:HD13	18	0.25
(1,964)	1:422:A:LEU:HA	1:434:A:ALA:HA	12	0.25
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	8	0.25
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	8	0.25
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD1	4	0.25
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD2	4	0.25
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	6	0.25
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	6	0.25
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	6	0.25
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	5	0.25
(1,928)	1:400:A:GLU:HG2	1:401:A:GLY:H	16	0.25
(1,924)	1:400:A:GLU:HG3	1:452:A:SER:HB3	6	0.25
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	10	0.25
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	10	0.25
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	10	0.25
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD11	16	0.25
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD12	16	0.25
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD13	16	0.25
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	3	0.25
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	9	0.25
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	10	0.25
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	17	0.25
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	5	0.25
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	5	0.25
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	5	0.25
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	15	0.25
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	15	0.25
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	15	0.25
(1,876)	1:433:A:SER:H	1:451:A:VAL:HA	13	0.25
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB2	9	0.25
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB3	9	0.25
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	6	0.25
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	7	0.25
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	9	0.25
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	17	0.25
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	17	0.25
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	17	0.25
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	17	0.25
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	17	0.25
(1,851)	1:399:A:LYS:HD2	1:432:A:ILE:HB	20	0.25
(1,851)	1:399:A:LYS:HD3	1:432:A:ILE:HB	20	0.25
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	12	0.25
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	12	0.25
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	12	0.25
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	1	0.25
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	18	0.25
(1,838)	1:443:A:ASN:HB3	1:444:A:LEU:H	3	0.25
(1,838)	1:443:A:ASN:HB3	1:444:A:LEU:H	11	0.25
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	5	0.25
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	13	0.25
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	19	0.25
(1,800)	1:442:A:THR:HA	1:443:A:ASN:HB3	13	0.25
(1,786)	1:485:A:ASN:HB2	1:486:A:ASP:H	4	0.25
(1,786)	1:485:A:ASN:HB2	1:486:A:ASP:H	15	0.25
(1,767)	1:409:A:ILE:HD11	1:449:A:GLY:H	15	0.25
(1,767)	1:409:A:ILE:HD12	1:449:A:GLY:H	15	0.25
(1,767)	1:409:A:ILE:HD13	1:449:A:GLY:H	15	0.25
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG11	1	0.25
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG12	1	0.25
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG13	1	0.25
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	6	0.25
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	19	0.25
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	15	0.25
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	20	0.25
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	8	0.25
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	5	0.25
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	5	0.25
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	5	0.25
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	10	0.25
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	10	0.25
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	10	0.25
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	20	0.25
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	20	0.25
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	20	0.25
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	11	0.25
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	11	0.25
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	11	0.25
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,659)	1:489:A:PRO:HA	1:490:A:TYR:H	12	0.25
(1,659)	1:489:A:PRO:HA	1:490:A:TYR:H	15	0.25
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	18	0.25
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	18	0.25
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	18	0.25
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	18	0.25
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	18	0.25
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	18	0.25
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	5	0.25
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	5	0.25
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	5	0.25
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	10	0.25
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	10	0.25
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	10	0.25
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	15	0.25
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	15	0.25
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	15	0.25
(1,622)	1:402:A:PRO:HD2	1:454:A:ASP:HB3	6	0.25
(1,622)	1:402:A:PRO:HD2	1:454:A:ASP:HB3	7	0.25
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	8	0.25
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	8	0.25
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	8	0.25
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	8	0.25
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	8	0.25
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	8	0.25
(1,609)	1:410:A:TYR:HB3	1:411:A:HIS:HA	17	0.25
(1,605)	1:408:A:PHE:HA	1:409:A:ILE:HB	20	0.25
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	17	0.25
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	17	0.25
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	3	0.25
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	14	0.25
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	15	0.25
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	15	0.25
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	15	0.25
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	10	0.25
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	10	0.25
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	10	0.25
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	10	0.25
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	10	0.25
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	10	0.25
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	10	0.25
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	10	0.25
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	14	0.25
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	14	0.25
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	14	0.25
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	14	0.25
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	14	0.25
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	14	0.25
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	14	0.25
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	14	0.25
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	14	0.25
(1,555)	1:421:A:ILE:HG21	1:436:A:VAL:H	9	0.25
(1,555)	1:421:A:ILE:HG22	1:436:A:VAL:H	9	0.25
(1,555)	1:421:A:ILE:HG23	1:436:A:VAL:H	9	0.25
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	3	0.25
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	15	0.25
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE1	10	0.25
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE2	10	0.25
(1,514)	1:435:A:LYS:HE2	1:439:A:ASP:HB2	3	0.25
(1,514)	1:435:A:LYS:HE3	1:439:A:ASP:HB2	3	0.25
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	16	0.25
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	16	0.25
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	16	0.25
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	16	0.25
(1,500)	1:440:A:LYS:HE2	1:441:A:GLN:HG2	7	0.25
(1,500)	1:440:A:LYS:HE3	1:441:A:GLN:HG2	7	0.25
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	20	0.25
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	20	0.25
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	20	0.25
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	17	0.25
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	17	0.25
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	17	0.25
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	17	0.25
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	4	0.25
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	4	0.25
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	4	0.25
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	17	0.25
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	17	0.25
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	17	0.25
(1,424)	1:408:A:PHE:HE1	1:433:A:SER:HB2	7	0.25
(1,424)	1:408:A:PHE:HE2	1:433:A:SER:HB2	7	0.25
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	12	0.25
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,378)	1:470:A:GLN:HE21	1:475:A:ARG:HD2	20	0.25
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	11	0.25
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	12	0.25
(1,375)	1:468:A:GLY:H	1:475:A:ARG:HD3	5	0.25
(1,368)	1:432:A:ILE:HB	1:452:A:SER:HB2	10	0.25
(1,363)	1:409:A:ILE:HG21	1:476:A:LEU:H	20	0.25
(1,363)	1:409:A:ILE:HG22	1:476:A:LEU:H	20	0.25
(1,363)	1:409:A:ILE:HG23	1:476:A:LEU:H	20	0.25
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	13	0.25
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	13	0.25
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	13	0.25
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	17	0.25
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	17	0.25
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	17	0.25
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	17	0.25
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	17	0.25
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	17	0.25
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	17	0.25
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	17	0.25
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	17	0.25
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	14	0.25
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	14	0.25
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	14	0.25
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	3	0.25
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	18	0.25
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	5	0.25
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	1	0.25
(1,308)	1:449:A:GLY:HA3	1:450:A:PHE:HB3	13	0.25
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	18	0.25
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	18	0.25
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	18	0.25
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	6	0.25
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	6	0.25
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	6	0.25
(1,272)	1:418:A:ASP:H	1:434:A:ALA:HB1	18	0.25
(1,272)	1:418:A:ASP:H	1:434:A:ALA:HB2	18	0.25
(1,272)	1:418:A:ASP:H	1:434:A:ALA:HB3	18	0.25
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG11	8	0.25
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG12	8	0.25
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG13	8	0.25
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG11	8	0.25
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG12	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG13	8	0.25
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG11	8	0.25
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG12	8	0.25
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG13	8	0.25
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	12	0.25
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	12	0.25
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	12	0.25
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	7	0.25
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	7	0.25
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	7	0.25
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	18	0.25
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	18	0.25
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	18	0.25
(1,215)	1:457:A:VAL:HG11	1:458:A:SER:HB3	14	0.25
(1,215)	1:457:A:VAL:HG12	1:458:A:SER:HB3	14	0.25
(1,215)	1:457:A:VAL:HG13	1:458:A:SER:HB3	14	0.25
(1,215)	1:457:A:VAL:HG21	1:458:A:SER:HB3	14	0.25
(1,215)	1:457:A:VAL:HG22	1:458:A:SER:HB3	14	0.25
(1,215)	1:457:A:VAL:HG23	1:458:A:SER:HB3	14	0.25
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG21	2	0.25
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG22	2	0.25
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG23	2	0.25
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG21	2	0.25
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG22	2	0.25
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG23	2	0.25
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG21	8	0.25
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG22	8	0.25
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG23	8	0.25
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG21	8	0.25
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG22	8	0.25
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG23	8	0.25
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG21	9	0.25
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG22	9	0.25
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG23	9	0.25
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG21	9	0.25
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG22	9	0.25
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG23	9	0.25
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	1	0.25
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	1	0.25
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	1	0.25
(1,204)	1:457:A:VAL:HG11	1:459:A:ALA:H	19	0.25
(1,204)	1:457:A:VAL:HG12	1:459:A:ALA:H	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,204)	1:457:A:VAL:HG13	1:459:A:ALA:H	19	0.25
(1,204)	1:457:A:VAL:HG21	1:459:A:ALA:H	19	0.25
(1,204)	1:457:A:VAL:HG22	1:459:A:ALA:H	19	0.25
(1,204)	1:457:A:VAL:HG23	1:459:A:ALA:H	19	0.25
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	2	0.25
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	2	0.25
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	2	0.25
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	20	0.25
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	20	0.25
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	20	0.25
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	6	0.25
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	6	0.25
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	6	0.25
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	9	0.25
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	9	0.25
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	9	0.25
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	14	0.25
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	14	0.25
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	14	0.25
(1,169)	1:457:A:VAL:HG11	1:460:A:GLN:HE21	3	0.25
(1,169)	1:457:A:VAL:HG12	1:460:A:GLN:HE21	3	0.25
(1,169)	1:457:A:VAL:HG13	1:460:A:GLN:HE21	3	0.25
(1,169)	1:457:A:VAL:HG21	1:460:A:GLN:HE21	3	0.25
(1,169)	1:457:A:VAL:HG22	1:460:A:GLN:HE21	3	0.25
(1,169)	1:457:A:VAL:HG23	1:460:A:GLN:HE21	3	0.25
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	3	0.25
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	9	0.25
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	9	0.25
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	4	0.25
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	4	0.25
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	4	0.25
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	11	0.25
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	11	0.25
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	11	0.25
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	8	0.25
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	8	0.25
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	8	0.25
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	8	0.25
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	8	0.25
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	8	0.25
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	11	0.25
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	11	0.25
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	11	0.25
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	11	0.25
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	11	0.25
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	13	0.25
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	13	0.25
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	13	0.25
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	13	0.25
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	13	0.25
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	13	0.25
(1,138)	1:422:A:LEU:HD11	1:431:A:VAL:H	11	0.25
(1,138)	1:422:A:LEU:HD12	1:431:A:VAL:H	11	0.25
(1,138)	1:422:A:LEU:HD13	1:431:A:VAL:H	11	0.25
(1,138)	1:422:A:LEU:HD21	1:431:A:VAL:H	11	0.25
(1,138)	1:422:A:LEU:HD22	1:431:A:VAL:H	11	0.25
(1,138)	1:422:A:LEU:HD23	1:431:A:VAL:H	11	0.25
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	17	0.25
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	17	0.25
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	17	0.25
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	17	0.25
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	17	0.25
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	17	0.25
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	17	0.25
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	17	0.25
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	17	0.25
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	17	0.25
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	17	0.25
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	17	0.25
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	5	0.25
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	5	0.25
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	5	0.25
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	5	0.25
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	5	0.25
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	5	0.25
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	5	0.25
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	5	0.25
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	5	0.25
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	5	0.25
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	5	0.25
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	5	0.25
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	5	0.25
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	5	0.25
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	5	0.25
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	5	0.25
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	5	0.25
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	5	0.25
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	5	0.25
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	5	0.25
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	5	0.25
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	5	0.25
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	5	0.25
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	5	0.25
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	5	0.25
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	5	0.25
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	5	0.25
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	5	0.25
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	5	0.25
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	5	0.25
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	5	0.25
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	5	0.25
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	5	0.25
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	5	0.25
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	5	0.25
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	10	0.25
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	10	0.25
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	10	0.25
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	10	0.25
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	10	0.25
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	10	0.25
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	10	0.25
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	10	0.25
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	10	0.25
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	10	0.25
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	10	0.25
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	10	0.25
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	10	0.25
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	10	0.25
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	10	0.25
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	10	0.25
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	10	0.25
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	10	0.25
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	10	0.25
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	10	0.25
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	10	0.25
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	10	0.25
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	10	0.25
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	10	0.25
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	10	0.25
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	10	0.25
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	10	0.25
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	10	0.25
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	10	0.25
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	10	0.25
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	10	0.25
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	10	0.25
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	10	0.25
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	10	0.25
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	10	0.25
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD11	16	0.25
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD12	16	0.25
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD13	16	0.25
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD21	16	0.25
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD22	16	0.25
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD23	16	0.25
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	7	0.25
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	7	0.25
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	7	0.25
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	7	0.25
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	7	0.25
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	7	0.25
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD11	9	0.25
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD12	9	0.25
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD13	9	0.25
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD21	9	0.25
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD22	9	0.25
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD23	9	0.25
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	14	0.25
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	14	0.25
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	14	0.25
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	14	0.25
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	14	0.25
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	14	0.25
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	9	0.25
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	9	0.25
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	9	0.25
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	9	0.25
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	9	0.25
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	11	0.25
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	11	0.25
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	11	0.25
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	11	0.25
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	11	0.25
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	11	0.25
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	18	0.25
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	18	0.25
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	18	0.25
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	18	0.25
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	18	0.25
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	18	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	2	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	2	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	2	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	2	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	2	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	2	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	3	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	3	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	3	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	3	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	3	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	3	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	11	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	11	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	11	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	11	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	11	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	11	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	15	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	15	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	15	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	15	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	15	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	15	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	18	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	18	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	18	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	18	0.25
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	18	0.25
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	4	0.25
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	4	0.25
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	4	0.25
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	4	0.25
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	4	0.25
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	4	0.25
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD11	14	0.25
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD12	14	0.25
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD13	14	0.25
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD21	14	0.25
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD22	14	0.25
(1,87)	1:476:A:LEU:HA	1:476:A:LEU:HD23	14	0.25
(1,39)	1:409:A:ILE:HG21	1:476:A:LEU:HG	13	0.25
(1,39)	1:409:A:ILE:HG22	1:476:A:LEU:HG	13	0.25
(1,39)	1:409:A:ILE:HG23	1:476:A:LEU:HG	13	0.25
(1,39)	1:409:A:ILE:HG21	1:476:A:LEU:HG	14	0.25
(1,39)	1:409:A:ILE:HG22	1:476:A:LEU:HG	14	0.25
(1,39)	1:409:A:ILE:HG23	1:476:A:LEU:HG	14	0.25
(1,38)	1:409:A:ILE:HG13	1:476:A:LEU:HG	19	0.25
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	6	0.25
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	18	0.25
(1,32)	1:476:A:LEU:HG	1:477:A:LYS:H	20	0.25
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	13	0.25
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	7	0.25
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	7	0.25
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	7	0.25
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	20	0.25
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	9	0.25
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	2	0.25
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	2	0.25
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	7	0.25
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG2	5	0.24
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG3	5	0.24
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG2	5	0.24
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG3	5	0.24
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	6	0.24
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	6	0.24
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	6	0.24
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	6	0.24
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	6	0.24
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	7	0.24
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	7	0.24
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	7	0.24
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	7	0.24
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	6	0.24
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	6	0.24
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	11	0.24
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	11	0.24
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE1	7	0.24
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE2	7	0.24
(1,2409)	1:408:A:PHE:HE1	1:452:A:SER:H	19	0.24
(1,2409)	1:408:A:PHE:HE2	1:452:A:SER:H	19	0.24
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD1	19	0.24
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD2	19	0.24
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD1	19	0.24
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD2	19	0.24
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	12	0.24
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	12	0.24
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	12	0.24
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	12	0.24
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	12	0.24
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	12	0.24
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	12	0.24
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	12	0.24
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	12	0.24
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	12	0.24
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	12	0.24
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	12	0.24
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	2	0.24
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	2	0.24
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG2	6	0.24
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG3	6	0.24
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG2	6	0.24
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG3	6	0.24
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	3	0.24
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	3	0.24
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	3	0.24
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	3	0.24
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	3	0.24
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	15	0.24
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	15	0.24
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	15	0.24
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	15	0.24
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	15	0.24
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	15	0.24
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	9	0.24
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	9	0.24
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	5	0.24
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	5	0.24
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	5	0.24
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	5	0.24
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	5	0.24
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	5	0.24
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	19	0.24
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	19	0.24
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	19	0.24
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	19	0.24
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	19	0.24
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	19	0.24
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	19	0.24
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	19	0.24
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	19	0.24
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	19	0.24
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	19	0.24
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	19	0.24
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	4	0.24
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	4	0.24
(1,2346)	1:409:A:ILE:HG21	1:448:A:PHE:HD1	9	0.24
(1,2346)	1:409:A:ILE:HG21	1:448:A:PHE:HD2	9	0.24
(1,2346)	1:409:A:ILE:HG22	1:448:A:PHE:HD1	9	0.24
(1,2346)	1:409:A:ILE:HG22	1:448:A:PHE:HD2	9	0.24
(1,2346)	1:409:A:ILE:HG23	1:448:A:PHE:HD1	9	0.24
(1,2346)	1:409:A:ILE:HG23	1:448:A:PHE:HD2	9	0.24
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB2	17	0.24
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB3	17	0.24
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB2	17	0.24
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB3	17	0.24
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	11	0.24
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	14	0.24
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	5	0.24
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	16	0.24
(1,2306)	1:398:A:GLN:HE21	1:408:A:PHE:HE1	15	0.24
(1,2306)	1:398:A:GLN:HE21	1:408:A:PHE:HE2	15	0.24
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	8	0.24
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	1	0.24
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	20	0.24
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	5	0.24
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	11	0.24
(1,2276)	1:464:A:GLN:H	1:464:A:GLN:HE22	3	0.24
(1,2273)	1:459:A:ALA:H	1:460:A:GLN:HE22	3	0.24
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	3	0.24
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	3	0.24
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	3	0.24
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	16	0.24
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	16	0.24
(1,2251)	1:425:A:PHE:H	1:425:A:PHE:HD1	3	0.24
(1,2251)	1:425:A:PHE:H	1:425:A:PHE:HD2	3	0.24
(1,2251)	1:425:A:PHE:H	1:425:A:PHE:HD1	8	0.24
(1,2251)	1:425:A:PHE:H	1:425:A:PHE:HD2	8	0.24
(1,2248)	1:444:A:LEU:HB2	1:479:A:GLN:HE21	1	0.24
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	5	0.24
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	5	0.24
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	5	0.24
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	19	0.24
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	19	0.24
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	19	0.24
(1,2237)	1:404:A:GLY:H	1:406:A:ASN:HD21	10	0.24
(1,2216)	1:430:A:ASN:HD21	1:454:A:ASP:HB3	3	0.24
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG11	19	0.24
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG12	19	0.24
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG13	19	0.24
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	1	0.24
(1,2179)	1:412:A:LEU:H	1:448:A:PHE:HA	1	0.24
(1,2164)	1:455:A:ASN:HD22	1:457:A:VAL:HB	9	0.24
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	8	0.24
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	7	0.24
(1,2156)	1:414:A:GLN:HG3	1:415:A:GLU:H	4	0.24
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	4	0.24
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	4	0.24
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	4	0.24
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	4	0.24
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	4	0.24
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	7	0.24
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	11	0.24
(1,2105)	1:420:A:ASP:HB3	1:421:A:ILE:H	20	0.24
(1,2104)	1:418:A:ASP:HA	1:421:A:ILE:H	16	0.24
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	18	0.24
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	5	0.24
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	16	0.24
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	8	0.24
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	9	0.24
(1,2086)	1:442:A:THR:H	1:443:A:ASN:H	17	0.24
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	12	0.24
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	16	0.24
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	16	0.24
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	18	0.24
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	18	0.24
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	3	0.24
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	17	0.24
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	4	0.24
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	16	0.24
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	17	0.24
(1,2070)	1:420:A:ASP:H	1:422:A:LEU:H	18	0.24
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	6	0.24
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	10	0.24
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	12	0.24
(1,2031)	1:482:A:ARG:HB3	1:483:A:SER:H	13	0.24
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	7	0.24
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	9	0.24
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	13	0.24
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	7	0.24
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	12	0.24
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	15	0.24
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	16	0.24
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	16	0.24
(1,2017)	1:461:A:ALA:HA	1:463:A:ILE:H	16	0.24
(1,2000)	1:403:A:GLU:H	1:403:A:GLU:HB2	1	0.24
(1,1995)	1:402:A:PRO:HB2	1:403:A:GLU:H	6	0.24
(1,1995)	1:402:A:PRO:HB3	1:403:A:GLU:H	6	0.24
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	2	0.24
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	4	0.24
(1,1985)	1:472:A:GLY:HA3	1:474:A:LYS:H	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1980)	1:470:A:GLN:HA	1:475:A:ARG:H	20	0.24
(1,1974)	1:411:A:HIS:HB3	1:475:A:ARG:H	15	0.24
(1,1960)	1:436:A:VAL:HA	1:450:A:PHE:H	9	0.24
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	9	0.24
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	13	0.24
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	6	0.24
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	19	0.24
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	11	0.24
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	11	0.24
(1,1930)	1:435:A:LYS:H	1:450:A:PHE:HB3	7	0.24
(1,1930)	1:435:A:LYS:H	1:450:A:PHE:HB3	8	0.24
(1,1921)	1:452:A:SER:HA	1:453:A:TYR:H	16	0.24
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	8	0.24
(1,1914)	1:399:A:LYS:HB2	1:400:A:GLU:H	16	0.24
(1,1914)	1:399:A:LYS:HB3	1:400:A:GLU:H	16	0.24
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	19	0.24
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	5	0.24
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	20	0.24
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	8	0.24
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	9	0.24
(1,1886)	1:428:A:PHE:HD1	1:462:A:ALA:H	1	0.24
(1,1886)	1:428:A:PHE:HD2	1:462:A:ALA:H	1	0.24
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	2	0.24
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	16	0.24
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	17	0.24
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	5	0.24
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	5	0.24
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	14	0.24
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	14	0.24
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	17	0.24
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	17	0.24
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	4	0.24
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	4	0.24
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	5	0.24
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	5	0.24
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	7	0.24
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	7	0.24
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	14	0.24
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	16	0.24
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	3	0.24
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	3	0.24
(1,1849)	1:399:A:LYS:H	1:433:A:SER:HA	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	7	0.24
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	7	0.24
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	7	0.24
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	9	0.24
(1,1841)	1:480:A:LEU:H	1:481:A:LYS:H	19	0.24
(1,1836)	1:407:A:LEU:H	1:407:A:LEU:HB3	13	0.24
(1,1828)	1:409:A:ILE:HD11	1:410:A:TYR:H	8	0.24
(1,1828)	1:409:A:ILE:HD12	1:410:A:TYR:H	8	0.24
(1,1828)	1:409:A:ILE:HD13	1:410:A:TYR:H	8	0.24
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	2	0.24
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	13	0.24
(1,1812)	1:468:A:GLY:H	1:469:A:PHE:H	5	0.24
(1,1801)	1:410:A:TYR:HB2	1:477:A:LYS:H	3	0.24
(1,1801)	1:410:A:TYR:HB2	1:477:A:LYS:H	11	0.24
(1,1801)	1:410:A:TYR:HB2	1:477:A:LYS:H	12	0.24
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	7	0.24
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	11	0.24
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	4	0.24
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	11	0.24
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	10	0.24
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	14	0.24
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG11	17	0.24
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG12	17	0.24
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG13	17	0.24
(1,1726)	1:432:A:ILE:H	1:453:A:TYR:HA	10	0.24
(1,1726)	1:432:A:ILE:H	1:453:A:TYR:HA	17	0.24
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	1	0.24
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	3	0.24
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	8	0.24
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	9	0.24
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	11	0.24
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	19	0.24
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	11	0.24
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	11	0.24
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	19	0.24
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	19	0.24
(1,1703)	1:402:A:PRO:HG2	1:405:A:ALA:HA	10	0.24
(1,1702)	1:402:A:PRO:HG2	1:456:A:PRO:HA	1	0.24
(1,1702)	1:402:A:PRO:HG2	1:456:A:PRO:HA	11	0.24
(1,1697)	1:422:A:LEU:HG	1:424:A:MET:H	14	0.24
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	6	0.24
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	1	0.24
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	14	0.24
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD11	12	0.24
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD12	12	0.24
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD13	12	0.24
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	9	0.24
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	13	0.24
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	7	0.24
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	7	0.24
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	4	0.24
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	4	0.24
(1,1657)	1:419:A:GLN:HB2	1:422:A:LEU:HB2	2	0.24
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG2	1	0.24
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG3	1	0.24
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG2	3	0.24
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG3	3	0.24
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG2	19	0.24
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG3	19	0.24
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG2	19	0.24
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG3	19	0.24
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	15	0.24
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	15	0.24
(1,1627)	1:402:A:PRO:HG2	1:455:A:ASN:HA	1	0.24
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	7	0.24
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	7	0.24
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	8	0.24
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	18	0.24
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	7	0.24
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	7	0.24
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	7	0.24
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	7	0.24
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	7	0.24
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	7	0.24
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	1	0.24
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	1	0.24
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	19	0.24
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	19	0.24
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG11	3	0.24
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG12	3	0.24
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG13	3	0.24
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	1	0.24
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	12	0.24
(1,1550)	1:421:A:ILE:HG13	1:425:A:PHE:HB3	12	0.24
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	7	0.24
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	7	0.24
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	18	0.24
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	18	0.24
(1,1542)	1:416:A:PHE:HE1	1:421:A:ILE:HG12	9	0.24
(1,1542)	1:416:A:PHE:HE2	1:421:A:ILE:HG12	9	0.24
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	4	0.24
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	4	0.24
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	4	0.24
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	4	0.24
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	8	0.24
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	8	0.24
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	8	0.24
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	8	0.24
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	10	0.24
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	10	0.24
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	10	0.24
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	10	0.24
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	15	0.24
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	15	0.24
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	15	0.24
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	15	0.24
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	16	0.24
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	16	0.24
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	16	0.24
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	16	0.24
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	18	0.24
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	18	0.24
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	18	0.24
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	18	0.24
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	20	0.24
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	20	0.24
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	20	0.24
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	20	0.24
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	1	0.24
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	1	0.24
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	4	0.24
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	4	0.24
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	7	0.24
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1522)	1:410:A:TYR:HD1	1:477:A:LYS:HD2	4	0.24
(1,1522)	1:410:A:TYR:HD1	1:477:A:LYS:HD3	4	0.24
(1,1522)	1:410:A:TYR:HD2	1:477:A:LYS:HD2	4	0.24
(1,1522)	1:410:A:TYR:HD2	1:477:A:LYS:HD3	4	0.24
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	2	0.24
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	2	0.24
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	2	0.24
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	18	0.24
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	18	0.24
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	18	0.24
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	1	0.24
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	15	0.24
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	15	0.24
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	15	0.24
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	15	0.24
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	2	0.24
(1,1478)	1:402:A:PRO:HG3	1:454:A:ASP:HA	5	0.24
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	6	0.24
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	6	0.24
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	6	0.24
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	8	0.24
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	8	0.24
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	8	0.24
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	7	0.24
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	6	0.24
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	6	0.24
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	6	0.24
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	6	0.24
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE1	12	0.24
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE2	12	0.24
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD11	9	0.24
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD12	9	0.24
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD13	9	0.24
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD21	9	0.24
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD22	9	0.24
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD23	9	0.24
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD11	10	0.24
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD12	10	0.24
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD13	10	0.24
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD21	10	0.24
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD22	10	0.24
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD23	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	4	0.24
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	4	0.24
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	9	0.24
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	16	0.24
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	11	0.24
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	5	0.24
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	19	0.24
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	2	0.24
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	2	0.24
(1,1396)	1:453:A:TYR:HD1	1:459:A:ALA:HA	7	0.24
(1,1396)	1:453:A:TYR:HD2	1:459:A:ALA:HA	7	0.24
(1,1391)	1:405:A:ALA:HA	1:459:A:ALA:HA	10	0.24
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	12	0.24
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG11	10	0.24
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG12	10	0.24
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG13	10	0.24
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG11	10	0.24
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG12	10	0.24
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG13	10	0.24
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	12	0.24
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	12	0.24
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	12	0.24
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	12	0.24
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	12	0.24
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	12	0.24
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	3	0.24
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	3	0.24
(1,1354)	1:400:A:GLU:HB2	1:452:A:SER:HB3	15	0.24
(1,1353)	1:473:A:MET:HB2	1:474:A:LYS:HG2	6	0.24
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	13	0.24
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	13	0.24
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	13	0.24
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	13	0.24
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	12	0.24
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	12	0.24
(1,1343)	1:426:A:MET:HG2	1:431:A:VAL:H	9	0.24
(1,1343)	1:426:A:MET:HG3	1:431:A:VAL:H	9	0.24
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG11	2	0.24
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG12	2	0.24
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG13	2	0.24
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG11	2	0.24
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG12	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG13	2	0.24
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	20	0.24
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	20	0.24
(1,1328)	1:412:A:LEU:HD11	1:448:A:PHE:HA	2	0.24
(1,1328)	1:412:A:LEU:HD12	1:448:A:PHE:HA	2	0.24
(1,1328)	1:412:A:LEU:HD13	1:448:A:PHE:HA	2	0.24
(1,1328)	1:412:A:LEU:HD21	1:448:A:PHE:HA	2	0.24
(1,1328)	1:412:A:LEU:HD22	1:448:A:PHE:HA	2	0.24
(1,1328)	1:412:A:LEU:HD23	1:448:A:PHE:HA	2	0.24
(1,1328)	1:412:A:LEU:HD11	1:448:A:PHE:HA	3	0.24
(1,1328)	1:412:A:LEU:HD12	1:448:A:PHE:HA	3	0.24
(1,1328)	1:412:A:LEU:HD13	1:448:A:PHE:HA	3	0.24
(1,1328)	1:412:A:LEU:HD21	1:448:A:PHE:HA	3	0.24
(1,1328)	1:412:A:LEU:HD22	1:448:A:PHE:HA	3	0.24
(1,1328)	1:412:A:LEU:HD23	1:448:A:PHE:HA	3	0.24
(1,1328)	1:412:A:LEU:HD11	1:448:A:PHE:HA	13	0.24
(1,1328)	1:412:A:LEU:HD12	1:448:A:PHE:HA	13	0.24
(1,1328)	1:412:A:LEU:HD13	1:448:A:PHE:HA	13	0.24
(1,1328)	1:412:A:LEU:HD21	1:448:A:PHE:HA	13	0.24
(1,1328)	1:412:A:LEU:HD22	1:448:A:PHE:HA	13	0.24
(1,1328)	1:412:A:LEU:HD23	1:448:A:PHE:HA	13	0.24
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	18	0.24
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	18	0.24
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	18	0.24
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	18	0.24
(1,1302)	1:472:A:GLY:HA3	1:473:A:MET:HG3	14	0.24
(1,1280)	1:398:A:GLN:HA	1:398:A:GLN:HE21	17	0.24
(1,1280)	1:398:A:GLN:HA	1:398:A:GLN:HE21	19	0.24
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	9	0.24
(1,1264)	1:405:A:ALA:HB1	1:456:A:PRO:HB3	10	0.24
(1,1264)	1:405:A:ALA:HB2	1:456:A:PRO:HB3	10	0.24
(1,1264)	1:405:A:ALA:HB3	1:456:A:PRO:HB3	10	0.24
(1,1249)	1:483:A:SER:HA	1:484:A:LYS:HB2	17	0.24
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB2	11	0.24
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB3	11	0.24
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	2	0.24
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	9	0.24
(1,1231)	1:406:A:ASN:HB2	1:452:A:SER:HA	14	0.24
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	7	0.24
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	7	0.24
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	7	0.24
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG2	15	0.24
(1,1221)	1:481:A:LYS:HA	1:481:A:LYS:HG3	15	0.24
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	2	0.24
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	2	0.24
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD11	8	0.24
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD12	8	0.24
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD13	8	0.24
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD21	8	0.24
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD22	8	0.24
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD23	8	0.24
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD11	8	0.24
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD12	8	0.24
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD13	8	0.24
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD21	8	0.24
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD22	8	0.24
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD23	8	0.24
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB2	11	0.24
(1,1199)	1:479:A:GLN:H	1:479:A:GLN:HB3	11	0.24
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	2	0.24
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	2	0.24
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	2	0.24
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	2	0.24
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	2	0.24
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	2	0.24
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	5	0.24
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	5	0.24
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	5	0.24
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	5	0.24
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	5	0.24
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	5	0.24
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	12	0.24
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	12	0.24
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	12	0.24
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	12	0.24
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	12	0.24
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	12	0.24
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG2	14	0.24
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG3	14	0.24
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG2	19	0.24
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG3	19	0.24
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG2	2	0.24
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG3	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG2	2	0.24
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG3	2	0.24
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG2	2	0.24
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG3	2	0.24
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG2	2	0.24
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG3	2	0.24
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG2	2	0.24
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG3	2	0.24
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG2	2	0.24
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG3	2	0.24
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	4	0.24
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	11	0.24
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	15	0.24
(1,1183)	1:446:A:LYS:HA	1:448:A:PHE:HE1	18	0.24
(1,1183)	1:446:A:LYS:HA	1:448:A:PHE:HE2	18	0.24
(1,1174)	1:417:A:GLY:HA3	1:436:A:VAL:HB	18	0.24
(1,1174)	1:417:A:GLY:HA3	1:436:A:VAL:HB	20	0.24
(1,1147)	1:483:A:SER:HB2	1:484:A:LYS:HA	18	0.24
(1,1147)	1:483:A:SER:HB3	1:484:A:LYS:HA	18	0.24
(1,1143)	1:408:A:PHE:HA	1:450:A:PHE:HA	5	0.24
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	13	0.24
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	13	0.24
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	14	0.24
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	14	0.24
(1,1126)	1:451:A:VAL:HG11	1:453:A:TYR:HA	19	0.24
(1,1126)	1:451:A:VAL:HG12	1:453:A:TYR:HA	19	0.24
(1,1126)	1:451:A:VAL:HG13	1:453:A:TYR:HA	19	0.24
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	7	0.24
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	12	0.24
(1,1121)	1:420:A:ASP:HA	1:423:A:GLN:HG3	15	0.24
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	2	0.24
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	16	0.24
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	2	0.24
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	3	0.24
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	18	0.24
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	7	0.24
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	7	0.24
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	7	0.24
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	15	0.24
(1,1083)	1:441:A:GLN:HG3	1:443:A:ASN:H	7	0.24
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	5	0.24
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	12	0.24
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	17	0.24
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	3	0.24
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	3	0.24
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	3	0.24
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	6	0.24
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	6	0.24
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	5	0.24
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	9	0.24
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	4	0.24
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	4	0.24
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	8	0.24
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	8	0.24
(1,1031)	1:403:A:GLU:HA	1:406:A:ASN:HD22	12	0.24
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	9	0.24
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	9	0.24
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	7	0.24
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	7	0.24
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	9	0.24
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	9	0.24
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	18	0.24
(1,982)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	4	0.24
(1,982)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	4	0.24
(1,982)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	4	0.24
(1,982)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	12	0.24
(1,982)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	12	0.24
(1,982)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	12	0.24
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	15	0.24
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	15	0.24
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	15	0.24
(1,976)	1:432:A:ILE:HD11	1:453:A:TYR:HA	7	0.24
(1,976)	1:432:A:ILE:HD12	1:453:A:TYR:HA	7	0.24
(1,976)	1:432:A:ILE:HD13	1:453:A:TYR:HA	7	0.24
(1,970)	1:414:A:GLN:HA	1:474:A:LYS:HD2	20	0.24
(1,970)	1:414:A:GLN:HA	1:474:A:LYS:HD3	20	0.24
(1,964)	1:422:A:LEU:HA	1:434:A:ALA:HA	2	0.24
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	18	0.24
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	18	0.24
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	16	0.24
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	16	0.24
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	16	0.24
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	1	0.24
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	1	0.24
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	9	0.24
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	9	0.24
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	19	0.24
(1,919)	1:400:A:GLU:HG3	1:406:A:ASN:HD21	5	0.24
(1,919)	1:400:A:GLU:HG3	1:406:A:ASN:HD21	14	0.24
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	3	0.24
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	3	0.24
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	3	0.24
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD1	11	0.24
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD2	11	0.24
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD1	11	0.24
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD2	11	0.24
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD1	11	0.24
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD2	11	0.24
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD1	17	0.24
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD2	17	0.24
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD1	17	0.24
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD2	17	0.24
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD1	17	0.24
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD2	17	0.24
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	7	0.24
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	7	0.24
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	13	0.24
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	15	0.24
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	19	0.24
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	5	0.24
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	5	0.24
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	5	0.24
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD2	18	0.24
(1,875)	1:425:A:PHE:HA	1:427:A:PRO:HD3	18	0.24
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG11	18	0.24
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG12	18	0.24
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG13	18	0.24
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG11	18	0.24
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG12	18	0.24
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG13	18	0.24
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	2	0.24
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	3	0.24
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	3	0.24
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	3	0.24
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	3	0.24
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	3	0.24
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	18	0.24
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	18	0.24
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	18	0.24
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	18	0.24
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	18	0.24
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	18	0.24
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	20	0.24
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	20	0.24
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	20	0.24
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	20	0.24
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	20	0.24
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	20	0.24
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	15	0.24
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	15	0.24
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	15	0.24
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	17	0.24
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	20	0.24
(1,835)	1:442:A:THR:H	1:443:A:ASN:HB3	20	0.24
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	1	0.24
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	4	0.24
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	11	0.24
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	18	0.24
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	11	0.24
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	14	0.24
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	19	0.24
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	19	0.24
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	19	0.24
(1,800)	1:442:A:THR:HA	1:443:A:ASN:HB3	2	0.24
(1,800)	1:442:A:THR:HA	1:443:A:ASN:HB3	12	0.24
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	10	0.24
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	10	0.24
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	12	0.24
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	12	0.24
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	14	0.24
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	14	0.24
(1,795)	1:442:A:THR:HA	1:444:A:LEU:HB3	19	0.24
(1,789)	1:485:A:ASN:HB3	1:486:A:ASP:H	20	0.24
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	10	0.24
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	10	0.24
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	18	0.24
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	18	0.24
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	18	0.24
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	7	0.24
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	7	0.24
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	7	0.24
(1,773)	1:409:A:ILE:HD11	1:450:A:PHE:HA	5	0.24
(1,773)	1:409:A:ILE:HD12	1:450:A:PHE:HA	5	0.24
(1,773)	1:409:A:ILE:HD13	1:450:A:PHE:HA	5	0.24
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	13	0.24
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	13	0.24
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	13	0.24
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	13	0.24
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	13	0.24
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	13	0.24
(1,769)	1:409:A:ILE:HD11	1:450:A:PHE:H	2	0.24
(1,769)	1:409:A:ILE:HD12	1:450:A:PHE:H	2	0.24
(1,769)	1:409:A:ILE:HD13	1:450:A:PHE:H	2	0.24
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	12	0.24
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	12	0.24
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	12	0.24
(1,767)	1:409:A:ILE:HD11	1:449:A:GLY:H	4	0.24
(1,767)	1:409:A:ILE:HD12	1:449:A:GLY:H	4	0.24
(1,767)	1:409:A:ILE:HD13	1:449:A:GLY:H	4	0.24
(1,753)	1:402:A:PRO:HA	1:404:A:GLY:H	12	0.24
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	13	0.24
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	10	0.24
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	12	0.24
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	16	0.24
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	3	0.24
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	13	0.24
(1,729)	1:432:A:ILE:HA	1:453:A:TYR:HA	15	0.24
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG21	10	0.24
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG22	10	0.24
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG23	10	0.24
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG21	10	0.24
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG22	10	0.24
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG23	10	0.24
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	11	0.24
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	11	0.24
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	11	0.24
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	11	0.24
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	11	0.24
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	20	0.24
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	20	0.24
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	20	0.24
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	20	0.24
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	20	0.24
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	20	0.24
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	4	0.24
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	4	0.24
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	4	0.24
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	13	0.24
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	13	0.24
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	13	0.24
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	16	0.24
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	16	0.24
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	16	0.24
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	4	0.24
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	4	0.24
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	4	0.24
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	7	0.24
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	7	0.24
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	7	0.24
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	11	0.24
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	11	0.24
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	11	0.24
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	17	0.24
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	17	0.24
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	17	0.24
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	6	0.24
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	6	0.24
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	6	0.24
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	14	0.24
(1,665)	1:418:A:ASP:H	1:420:A:ASP:HB3	8	0.24
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	13	0.24
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	13	0.24
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	11	0.24
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	11	0.24
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	11	0.24
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	11	0.24
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	11	0.24
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	13	0.24
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	13	0.24
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	13	0.24
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	13	0.24
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	13	0.24
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	13	0.24
(1,625)	1:466:A:MET:HG2	1:469:A:PHE:HB2	16	0.24
(1,625)	1:466:A:MET:HG3	1:469:A:PHE:HB2	16	0.24
(1,622)	1:402:A:PRO:HD2	1:454:A:ASP:HB3	9	0.24
(1,622)	1:402:A:PRO:HD2	1:454:A:ASP:HB3	20	0.24
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	2	0.24
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	7	0.24
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	7	0.24
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	4	0.24
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	4	0.24
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	4	0.24
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	20	0.24
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	20	0.24
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	20	0.24
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	5	0.24
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	5	0.24
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	5	0.24
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	5	0.24
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	5	0.24
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	5	0.24
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	5	0.24
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	5	0.24
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	5	0.24
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	4	0.24
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	4	0.24
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	4	0.24
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	4	0.24
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	4	0.24
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	4	0.24
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	4	0.24
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	4	0.24
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	4	0.24
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	7	0.24
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	7	0.24
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	7	0.24
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	7	0.24
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	7	0.24
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	7	0.24
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	7	0.24
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	7	0.24
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	18	0.24
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	18	0.24
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	18	0.24
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	18	0.24
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	18	0.24
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	18	0.24
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	18	0.24
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	18	0.24
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	18	0.24
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG21	6	0.24
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG22	6	0.24
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG23	6	0.24
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG21	18	0.24
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG22	18	0.24
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG23	18	0.24
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	6	0.24
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	20	0.24
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	13	0.24
(1,535)	1:455:A:ASN:HB3	1:456:A:PRO:HD3	14	0.24
(1,535)	1:455:A:ASN:HB3	1:456:A:PRO:HD3	18	0.24
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	7	0.24
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	9	0.24
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	10	0.24
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	13	0.24
(1,503)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	18	0.24
(1,503)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	18	0.24
(1,503)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	18	0.24
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	18	0.24
(1,502)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	18	0.24
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	18	0.24
(1,502)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	18	0.24
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	2	0.24
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	2	0.24
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	14	0.24
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	14	0.24
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	14	0.24
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	7	0.24
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	7	0.24
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	8	0.24
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	8	0.24
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	8	0.24
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE2	5	0.24
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE3	5	0.24
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	11	0.24
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	11	0.24
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	16	0.24
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	16	0.24
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	17	0.24
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	17	0.24
(1,467)	1:412:A:LEU:HB3	1:449:A:GLY:HA3	3	0.24
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG21	8	0.24
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG22	8	0.24
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG23	8	0.24
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	5	0.24
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	11	0.24
(1,425)	1:433:A:SER:HB2	1:434:A:ALA:HA	5	0.24
(1,424)	1:408:A:PHE:HE1	1:433:A:SER:HB2	15	0.24
(1,424)	1:408:A:PHE:HE2	1:433:A:SER:HB2	15	0.24
(1,420)	1:479:A:GLN:HA	1:480:A:LEU:HB2	9	0.24
(1,420)	1:479:A:GLN:HA	1:480:A:LEU:HB3	9	0.24
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	9	0.24
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	9	0.24
(1,405)	1:475:A:ARG:HA	1:475:A:ARG:HD3	18	0.24
(1,404)	1:468:A:GLY:HA3	1:475:A:ARG:HD3	16	0.24
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	14	0.24
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB2	2	0.24
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB3	2	0.24
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB2	20	0.24
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB3	20	0.24
(1,379)	1:475:A:ARG:HA	1:475:A:ARG:HD2	19	0.24
(1,378)	1:470:A:GLN:HE21	1:475:A:ARG:HD2	11	0.24
(1,378)	1:470:A:GLN:HE21	1:475:A:ARG:HD2	14	0.24
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	3	0.24
(1,369)	1:401:A:GLY:H	1:452:A:SER:HB2	5	0.24
(1,367)	1:433:A:SER:H	1:452:A:SER:HB2	19	0.24
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	7	0.24
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	7	0.24
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	7	0.24
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	7	0.24
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	7	0.24
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	7	0.24
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	7	0.24
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	7	0.24
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	18	0.24
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	18	0.24
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	18	0.24
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	18	0.24
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	18	0.24
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	18	0.24
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	18	0.24
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	18	0.24
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	18	0.24
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	18	0.24
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	18	0.24
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	18	0.24
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	9	0.24
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	9	0.24
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	9	0.24
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	12	0.24
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	12	0.24
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	12	0.24
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	6	0.24
(1,314)	1:433:A:SER:HB3	1:450:A:PHE:HB2	9	0.24
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	8	0.24
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	15	0.24
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	16	0.24
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	17	0.24
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG11	3	0.24
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG12	3	0.24
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG13	3	0.24
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG11	3	0.24
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG12	3	0.24
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG13	3	0.24
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG11	3	0.24
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG12	3	0.24
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG13	3	0.24
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	9	0.24
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	9	0.24
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	9	0.24
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	9	0.24
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	9	0.24
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	18	0.24
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	18	0.24
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	18	0.24
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	18	0.24
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	18	0.24
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	18	0.24
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	13	0.24
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	13	0.24
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	13	0.24
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	19	0.24
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	19	0.24
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	19	0.24
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	10	0.24
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	10	0.24
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	10	0.24
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	15	0.24
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	15	0.24
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	15	0.24
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG21	17	0.24
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG22	17	0.24
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG23	17	0.24
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG21	17	0.24
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG22	17	0.24
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG23	17	0.24
(1,200)	1:404:A:GLY:HA2	1:456:A:PRO:HB3	16	0.24
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	3	0.24
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	3	0.24
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	3	0.24
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	14	0.24
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	14	0.24
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	14	0.24
(1,176)	1:431:A:VAL:HG11	1:433:A:SER:H	7	0.24
(1,176)	1:431:A:VAL:HG12	1:433:A:SER:H	7	0.24
(1,176)	1:431:A:VAL:HG13	1:433:A:SER:H	7	0.24
(1,176)	1:431:A:VAL:HG11	1:433:A:SER:H	19	0.24
(1,176)	1:431:A:VAL:HG12	1:433:A:SER:H	19	0.24
(1,176)	1:431:A:VAL:HG13	1:433:A:SER:H	19	0.24
(1,167)	1:468:A:GLY:HA2	1:476:A:LEU:HB2	6	0.24
(1,167)	1:468:A:GLY:HA2	1:476:A:LEU:HB3	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:444:A:LEU:HD11	1:445:A:SER:H	7	0.24
(1,149)	1:444:A:LEU:HD12	1:445:A:SER:H	7	0.24
(1,149)	1:444:A:LEU:HD13	1:445:A:SER:H	7	0.24
(1,149)	1:444:A:LEU:HD21	1:445:A:SER:H	7	0.24
(1,149)	1:444:A:LEU:HD22	1:445:A:SER:H	7	0.24
(1,149)	1:444:A:LEU:HD23	1:445:A:SER:H	7	0.24
(1,144)	1:413:A:PRO:HG2	1:476:A:LEU:HD11	20	0.24
(1,144)	1:413:A:PRO:HG2	1:476:A:LEU:HD12	20	0.24
(1,144)	1:413:A:PRO:HG2	1:476:A:LEU:HD13	20	0.24
(1,144)	1:413:A:PRO:HG2	1:476:A:LEU:HD21	20	0.24
(1,144)	1:413:A:PRO:HG2	1:476:A:LEU:HD22	20	0.24
(1,144)	1:413:A:PRO:HG2	1:476:A:LEU:HD23	20	0.24
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	18	0.24
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	18	0.24
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	18	0.24
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	18	0.24
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	18	0.24
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	18	0.24
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	11	0.24
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	11	0.24
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	11	0.24
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	11	0.24
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	11	0.24
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	11	0.24
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	11	0.24
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	11	0.24
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	11	0.24
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	11	0.24
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	11	0.24
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	11	0.24
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	11	0.24
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	11	0.24
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	11	0.24
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	11	0.24
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	11	0.24
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	11	0.24
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	11	0.24
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	11	0.24
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	11	0.24
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	11	0.24
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	11	0.24
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	11	0.24
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	11	0.24
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	11	0.24
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	11	0.24
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	11	0.24
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	11	0.24
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	11	0.24
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	11	0.24
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	11	0.24
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	11	0.24
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	11	0.24
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	11	0.24
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	15	0.24
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	15	0.24
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	15	0.24
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	15	0.24
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	15	0.24
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	15	0.24
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	15	0.24
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	15	0.24
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	15	0.24
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	15	0.24
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	15	0.24
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	15	0.24
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	15	0.24
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	15	0.24
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	15	0.24
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	15	0.24
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	15	0.24
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	15	0.24
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	15	0.24
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	15	0.24
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	15	0.24
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	15	0.24
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	15	0.24
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	15	0.24
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	15	0.24
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	15	0.24
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	15	0.24
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	15	0.24
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	15	0.24
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	15	0.24
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	15	0.24
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	15	0.24
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	15	0.24
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	15	0.24
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	15	0.24
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD11	2	0.24
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD12	2	0.24
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD13	2	0.24
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD21	2	0.24
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD22	2	0.24
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD23	2	0.24
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	10	0.24
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	10	0.24
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	10	0.24
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	10	0.24
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	10	0.24
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	10	0.24
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	17	0.24
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	17	0.24
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	17	0.24
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	17	0.24
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	17	0.24
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	17	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	7	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	7	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	7	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	7	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	7	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	7	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	8	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	8	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	8	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	8	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	8	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	8	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	12	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	12	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	12	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	12	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	12	0.24
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	7	0.24
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	7	0.24
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	8	0.24
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	8	0.24
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	4	0.24
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	4	0.24
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	4	0.24
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	4	0.24
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	4	0.24
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	4	0.24
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	4	0.24
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	4	0.24
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	4	0.24
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	4	0.24
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	4	0.24
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	4	0.24
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	4	0.24
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	4	0.24
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	4	0.24
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	4	0.24
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	4	0.24
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	4	0.24
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	5	0.24
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	5	0.24
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	5	0.24
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	5	0.24
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	5	0.24
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	5	0.24
(1,39)	1:409:A:ILE:HG21	1:476:A:LEU:HG	1	0.24
(1,39)	1:409:A:ILE:HG22	1:476:A:LEU:HG	1	0.24
(1,39)	1:409:A:ILE:HG23	1:476:A:LEU:HG	1	0.24
(1,38)	1:409:A:ILE:HG13	1:476:A:LEU:HG	16	0.24
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	10	0.24
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	12	0.24
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	20	0.24
(1,8)	1:407:A:LEU:HG	1:478:A:VAL:HG11	13	0.24
(1,8)	1:407:A:LEU:HG	1:478:A:VAL:HG12	13	0.24
(1,8)	1:407:A:LEU:HG	1:478:A:VAL:HG13	13	0.24
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	17	0.24
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	17	0.24
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD1	1	0.24
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD2	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD1	5	0.24
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD2	5	0.24
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD1	18	0.24
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD2	18	0.24
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	10	0.24
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	15	0.24
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG2	18	0.23
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG3	18	0.23
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG2	18	0.23
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG3	18	0.23
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	4	0.23
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	4	0.23
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	5	0.23
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	5	0.23
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE1	5	0.23
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE2	5	0.23
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	17	0.23
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	17	0.23
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	17	0.23
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	17	0.23
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	17	0.23
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	17	0.23
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	20	0.23
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	20	0.23
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	20	0.23
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	20	0.23
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	20	0.23
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	20	0.23
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	1	0.23
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	1	0.23
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	3	0.23
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	3	0.23
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	11	0.23
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	11	0.23
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	13	0.23
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	13	0.23
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	16	0.23
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	16	0.23
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD1	12	0.23
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD2	12	0.23
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD1	12	0.23
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD2	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2401)	1:398:A:GLN:HG2	1:408:A:PHE:HE1	3	0.23
(1,2401)	1:398:A:GLN:HG2	1:408:A:PHE:HE2	3	0.23
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	6	0.23
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	6	0.23
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	19	0.23
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	19	0.23
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG2	8	0.23
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG3	8	0.23
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG2	8	0.23
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG3	8	0.23
(1,2375)	1:437:A:PHE:HD1	1:438:A:ILE:H	2	0.23
(1,2375)	1:437:A:PHE:HD2	1:438:A:ILE:H	2	0.23
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	8	0.23
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	8	0.23
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	8	0.23
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	8	0.23
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	8	0.23
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	8	0.23
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	1	0.23
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	1	0.23
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	1	0.23
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	1	0.23
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	1	0.23
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	1	0.23
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD1	6	0.23
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD2	6	0.23
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD1	8	0.23
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD2	8	0.23
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD1	14	0.23
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD2	14	0.23
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD1	4	0.23
(1,2345)	1:445:A:SER:HA	1:448:A:PHE:HD2	4	0.23
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	2	0.23
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	13	0.23
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	11	0.23
(1,2316)	1:411:A:HIS:H	1:449:A:GLY:H	7	0.23
(1,2316)	1:411:A:HIS:H	1:449:A:GLY:H	15	0.23
(1,2297)	1:428:A:PHE:HE1	1:466:A:MET:H	12	0.23
(1,2297)	1:428:A:PHE:HE2	1:466:A:MET:H	12	0.23
(1,2297)	1:428:A:PHE:HE1	1:466:A:MET:H	17	0.23
(1,2297)	1:428:A:PHE:HE2	1:466:A:MET:H	17	0.23
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2290)	1:470:A:GLN:HA	1:470:A:GLN:HE21	16	0.23
(1,2286)	1:456:A:PRO:HB2	1:460:A:GLN:HE22	19	0.23
(1,2285)	1:463:A:ILE:HG21	1:464:A:GLN:HE21	2	0.23
(1,2285)	1:463:A:ILE:HG22	1:464:A:GLN:HE21	2	0.23
(1,2285)	1:463:A:ILE:HG23	1:464:A:GLN:HE21	2	0.23
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	14	0.23
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	14	0.23
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	14	0.23
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	18	0.23
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	18	0.23
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	18	0.23
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	10	0.23
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	10	0.23
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	17	0.23
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	17	0.23
(1,2248)	1:444:A:LEU:HB2	1:479:A:GLN:HE21	12	0.23
(1,2240)	1:445:A:SER:HB3	1:479:A:GLN:HE22	7	0.23
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	11	0.23
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	11	0.23
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	11	0.23
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	17	0.23
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG21	11	0.23
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG22	11	0.23
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG23	11	0.23
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	4	0.23
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	4	0.23
(1,2191)	1:453:A:TYR:HB3	1:455:A:ASN:H	17	0.23
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	7	0.23
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	20	0.23
(1,2179)	1:412:A:LEU:H	1:448:A:PHE:HA	13	0.23
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	5	0.23
(1,2157)	1:415:A:GLU:H	1:415:A:GLU:HB3	10	0.23
(1,2156)	1:414:A:GLN:HG3	1:415:A:GLU:H	12	0.23
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	5	0.23
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	10	0.23
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	17	0.23
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	19	0.23
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	20	0.23
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	14	0.23
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	14	0.23
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	14	0.23
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	14	0.23
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	14	0.23
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	20	0.23
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	20	0.23
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB2	9	0.23
(1,2118)	1:460:A:GLN:H	1:460:A:GLN:HB3	9	0.23
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	20	0.23
(1,2093)	1:464:A:GLN:H	1:465:A:ALA:H	13	0.23
(1,2093)	1:464:A:GLN:H	1:465:A:ALA:H	14	0.23
(1,2093)	1:464:A:GLN:H	1:465:A:ALA:H	16	0.23
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	16	0.23
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	12	0.23
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	13	0.23
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	4	0.23
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	4	0.23
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	8	0.23
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	8	0.23
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	20	0.23
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	20	0.23
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	12	0.23
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	20	0.23
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	1	0.23
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	3	0.23
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	15	0.23
(1,2061)	1:429:A:GLY:HA2	1:430:A:ASN:H	15	0.23
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	15	0.23
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	15	0.23
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	12	0.23
(1,2026)	1:468:A:GLY:H	1:477:A:LYS:HA	2	0.23
(1,2026)	1:468:A:GLY:H	1:477:A:LYS:HA	14	0.23
(1,2025)	1:468:A:GLY:H	1:478:A:VAL:H	10	0.23
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	8	0.23
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	10	0.23
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	1	0.23
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	9	0.23
(1,2000)	1:403:A:GLU:H	1:403:A:GLU:HB2	3	0.23
(1,2000)	1:403:A:GLU:H	1:403:A:GLU:HB2	7	0.23
(1,2000)	1:403:A:GLU:H	1:403:A:GLU:HB2	11	0.23
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	9	0.23
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	17	0.23
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	18	0.23
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1979)	1:474:A:LYS:HG2	1:475:A:ARG:H	3	0.23
(1,1979)	1:474:A:LYS:HG2	1:475:A:ARG:H	19	0.23
(1,1974)	1:411:A:HIS:HB3	1:475:A:ARG:H	1	0.23
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	11	0.23
(1,1937)	1:409:A:ILE:H	1:450:A:PHE:HA	1	0.23
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	17	0.23
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	17	0.23
(1,1930)	1:435:A:LYS:H	1:450:A:PHE:HB3	15	0.23
(1,1928)	1:435:A:LYS:H	1:451:A:VAL:HA	15	0.23
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	12	0.23
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	1	0.23
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	1	0.23
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	1	0.23
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	7	0.23
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	7	0.23
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	7	0.23
(1,1914)	1:399:A:LYS:HB2	1:400:A:GLU:H	19	0.23
(1,1914)	1:399:A:LYS:HB3	1:400:A:GLU:H	19	0.23
(1,1911)	1:400:A:GLU:H	1:433:A:SER:HB3	3	0.23
(1,1906)	1:435:A:LYS:HE2	1:438:A:ILE:H	19	0.23
(1,1906)	1:435:A:LYS:HE3	1:438:A:ILE:H	19	0.23
(1,1904)	1:418:A:ASP:H	1:436:A:VAL:HG21	16	0.23
(1,1904)	1:418:A:ASP:H	1:436:A:VAL:HG22	16	0.23
(1,1904)	1:418:A:ASP:H	1:436:A:VAL:HG23	16	0.23
(1,1901)	1:418:A:ASP:H	1:418:A:ASP:HB3	7	0.23
(1,1901)	1:418:A:ASP:H	1:418:A:ASP:HB3	15	0.23
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	6	0.23
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	17	0.23
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	12	0.23
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	14	0.23
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	2	0.23
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	9	0.23
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	19	0.23
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	20	0.23
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	16	0.23
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	16	0.23
(1,1867)	1:418:A:ASP:HB2	1:436:A:VAL:H	13	0.23
(1,1867)	1:418:A:ASP:HB2	1:436:A:VAL:H	14	0.23
(1,1866)	1:435:A:LYS:HA	1:436:A:VAL:H	12	0.23
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	1	0.23
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	1	0.23
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	10	0.23
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	13	0.23
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	13	0.23
(1,1864)	1:460:A:GLN:HB2	1:461:A:ALA:H	15	0.23
(1,1864)	1:460:A:GLN:HB3	1:461:A:ALA:H	15	0.23
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	2	0.23
(1,1849)	1:399:A:LYS:H	1:433:A:SER:HA	19	0.23
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	12	0.23
(1,1844)	1:480:A:LEU:H	1:480:A:LEU:HG	17	0.23
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	6	0.23
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	6	0.23
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	12	0.23
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	12	0.23
(1,1831)	1:407:A:LEU:H	1:453:A:TYR:H	16	0.23
(1,1830)	1:407:A:LEU:H	1:408:A:PHE:H	13	0.23
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG21	14	0.23
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG22	14	0.23
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG23	14	0.23
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG21	17	0.23
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG22	17	0.23
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG23	17	0.23
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	11	0.23
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	11	0.23
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	11	0.23
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB2	20	0.23
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB3	20	0.23
(1,1816)	1:469:A:PHE:H	1:469:A:PHE:HB3	10	0.23
(1,1815)	1:469:A:PHE:H	1:476:A:LEU:HA	20	0.23
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	18	0.23
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	10	0.23
(1,1786)	1:409:A:ILE:HA	1:477:A:LYS:H	10	0.23
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	19	0.23
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	7	0.23
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	7	0.23
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	15	0.23
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	15	0.23
(1,1763)	1:471:A:ILE:H	1:474:A:LYS:HB2	6	0.23
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	5	0.23
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	7	0.23
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	13	0.23
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	16	0.23
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	9	0.23
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG11	19	0.23
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG12	19	0.23
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG13	19	0.23
(1,1732)	1:424:A:MET:H	1:426:A:MET:H	1	0.23
(1,1726)	1:432:A:ILE:H	1:453:A:TYR:HA	13	0.23
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	17	0.23
(1,1719)	1:469:A:PHE:HE1	1:470:A:GLN:H	13	0.23
(1,1719)	1:469:A:PHE:HE2	1:470:A:GLN:H	13	0.23
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	6	0.23
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	6	0.23
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	10	0.23
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	10	0.23
(1,1703)	1:402:A:PRO:HG2	1:405:A:ALA:HA	20	0.23
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	20	0.23
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	3	0.23
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	3	0.23
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	3	0.23
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	3	0.23
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	3	0.23
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	3	0.23
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	3	0.23
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	3	0.23
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	3	0.23
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	3	0.23
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	3	0.23
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	3	0.23
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	2	0.23
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	2	0.23
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	6	0.23
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	6	0.23
(1,1657)	1:419:A:GLN:HB2	1:422:A:LEU:HB2	3	0.23
(1,1657)	1:419:A:GLN:HB2	1:422:A:LEU:HB2	12	0.23
(1,1657)	1:419:A:GLN:HB2	1:422:A:LEU:HB2	14	0.23
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG2	2	0.23
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG3	2	0.23
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG2	2	0.23
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG3	2	0.23
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG2	7	0.23
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG3	7	0.23
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG2	7	0.23
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG3	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	1	0.23
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	1	0.23
(1,1630)	1:405:A:ALA:HA	1:452:A:SER:HA	6	0.23
(1,1627)	1:402:A:PRO:HG2	1:455:A:ASN:HA	10	0.23
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	15	0.23
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	1	0.23
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	1	0.23
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB2	9	0.23
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB3	9	0.23
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB2	9	0.23
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB3	9	0.23
(1,1603)	1:413:A:PRO:HG3	1:470:A:GLN:HA	16	0.23
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	3	0.23
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG11	13	0.23
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG12	13	0.23
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG13	13	0.23
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	16	0.23
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	16	0.23
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	5	0.23
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	5	0.23
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	5	0.23
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	12	0.23
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	12	0.23
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	12	0.23
(1,1579)	1:470:A:GLN:HB3	1:475:A:ARG:HD2	5	0.23
(1,1579)	1:470:A:GLN:HB3	1:475:A:ARG:HD2	7	0.23
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	20	0.23
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	11	0.23
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	11	0.23
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	18	0.23
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	18	0.23
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	5	0.23
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	10	0.23
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	5	0.23
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	5	0.23
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	8	0.23
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	8	0.23
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD2	8	0.23
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD3	8	0.23
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD2	8	0.23
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD3	8	0.23
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD2	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD3	8	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	1	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	1	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	1	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	1	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	2	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	2	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	2	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	2	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	3	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	3	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	3	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	3	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	5	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	5	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	5	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	5	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	6	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	6	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	6	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	6	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	9	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	9	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	9	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	9	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	12	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	12	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	12	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	12	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	13	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	13	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	13	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	13	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	17	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	17	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	17	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	17	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	19	0.23
(1,1538)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	19	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	19	0.23
(1,1538)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	19	0.23
(1,1534)	1:440:A:LYS:HD2	1:441:A:GLN:HG2	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1534)	1:440:A:LYS:HD3	1:441:A:GLN:HG2	14	0.23
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	5	0.23
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	5	0.23
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	9	0.23
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	9	0.23
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	5	0.23
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	13	0.23
(1,1504)	1:402:A:PRO:HA	1:403:A:GLU:HB2	3	0.23
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	8	0.23
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	8	0.23
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	8	0.23
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	8	0.23
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	20	0.23
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	16	0.23
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	1	0.23
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	13	0.23
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	14	0.23
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	3	0.23
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	3	0.23
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	3	0.23
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	14	0.23
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	14	0.23
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	14	0.23
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	9	0.23
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	15	0.23
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	18	0.23
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	18	0.23
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	18	0.23
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	18	0.23
(1,1439)	1:418:A:ASP:HB2	1:435:A:LYS:HA	15	0.23
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	2	0.23
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	2	0.23
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	10	0.23
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	10	0.23
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	10	0.23
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	3	0.23
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	8	0.23
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	11	0.23
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	17	0.23
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	20	0.23
(1,1413)	1:400:A:GLU:HB2	1:406:A:ASN:HD22	7	0.23
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	13	0.23
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	20	0.23
(1,1396)	1:453:A:TYR:HD1	1:459:A:ALA:HA	1	0.23
(1,1396)	1:453:A:TYR:HD2	1:459:A:ALA:HA	1	0.23
(1,1396)	1:453:A:TYR:HD1	1:459:A:ALA:HA	8	0.23
(1,1396)	1:453:A:TYR:HD2	1:459:A:ALA:HA	8	0.23
(1,1396)	1:453:A:TYR:HD1	1:459:A:ALA:HA	20	0.23
(1,1396)	1:453:A:TYR:HD2	1:459:A:ALA:HA	20	0.23
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	7	0.23
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	10	0.23
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	13	0.23
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	13	0.23
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	13	0.23
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	13	0.23
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD1	3	0.23
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD2	3	0.23
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD1	3	0.23
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD2	3	0.23
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	5	0.23
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	5	0.23
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	5	0.23
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	5	0.23
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	5	0.23
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	5	0.23
(1,1354)	1:400:A:GLU:HB2	1:452:A:SER:HB3	11	0.23
(1,1354)	1:400:A:GLU:HB2	1:452:A:SER:HB3	12	0.23
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	19	0.23
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	19	0.23
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	19	0.23
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	19	0.23
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	1	0.23
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	1	0.23
(1,1323)	1:422:A:LEU:HD11	1:431:A:VAL:HB	14	0.23
(1,1323)	1:422:A:LEU:HD12	1:431:A:VAL:HB	14	0.23
(1,1323)	1:422:A:LEU:HD13	1:431:A:VAL:HB	14	0.23
(1,1323)	1:422:A:LEU:HD21	1:431:A:VAL:HB	14	0.23
(1,1323)	1:422:A:LEU:HD22	1:431:A:VAL:HB	14	0.23
(1,1323)	1:422:A:LEU:HD23	1:431:A:VAL:HB	14	0.23
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	2	0.23
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	2	0.23
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	2	0.23
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	7	0.23
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	7	0.23
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	7	0.23
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	7	0.23
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	19	0.23
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	19	0.23
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	19	0.23
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	19	0.23
(1,1312)	1:472:A:GLY:HA2	1:473:A:MET:HG2	12	0.23
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	3	0.23
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	11	0.23
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	19	0.23
(1,1289)	1:405:A:ALA:HA	1:456:A:PRO:HB2	8	0.23
(1,1264)	1:405:A:ALA:HB1	1:456:A:PRO:HB3	5	0.23
(1,1264)	1:405:A:ALA:HB2	1:456:A:PRO:HB3	5	0.23
(1,1264)	1:405:A:ALA:HB3	1:456:A:PRO:HB3	5	0.23
(1,1264)	1:405:A:ALA:HB1	1:456:A:PRO:HB3	17	0.23
(1,1264)	1:405:A:ALA:HB2	1:456:A:PRO:HB3	17	0.23
(1,1264)	1:405:A:ALA:HB3	1:456:A:PRO:HB3	17	0.23
(1,1252)	1:431:A:VAL:HA	1:452:A:SER:HA	20	0.23
(1,1241)	1:456:A:PRO:HB3	1:460:A:GLN:HG2	17	0.23
(1,1241)	1:456:A:PRO:HB3	1:460:A:GLN:HG3	17	0.23
(1,1239)	1:407:A:LEU:HB3	1:452:A:SER:HA	1	0.23
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	4	0.23
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	11	0.23
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	12	0.23
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	17	0.23
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	18	0.23
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG21	5	0.23
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG22	5	0.23
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG23	5	0.23
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	7	0.23
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE2	7	0.23
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE3	7	0.23
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	5	0.23
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	5	0.23
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	9	0.23
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	9	0.23
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	10	0.23
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	10	0.23
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	10	0.23
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	10	0.23
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	10	0.23
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	16	0.23
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	16	0.23
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	16	0.23
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	16	0.23
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	16	0.23
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	16	0.23
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG2	20	0.23
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG3	20	0.23
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG2	13	0.23
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG3	13	0.23
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG2	13	0.23
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG3	13	0.23
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG2	13	0.23
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG3	13	0.23
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG2	13	0.23
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG3	13	0.23
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG2	13	0.23
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG3	13	0.23
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG2	13	0.23
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG3	13	0.23
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	14	0.23
(1,1174)	1:417:A:GLY:HA3	1:436:A:VAL:HB	4	0.23
(1,1166)	1:398:A:GLN:HG3	1:408:A:PHE:HE1	6	0.23
(1,1166)	1:398:A:GLN:HG3	1:408:A:PHE:HE2	6	0.23
(1,1160)	1:480:A:LEU:HA	1:481:A:LYS:HB2	6	0.23
(1,1159)	1:398:A:GLN:HG3	1:433:A:SER:HB2	5	0.23
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD2	18	0.23
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD3	18	0.23
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD2	19	0.23
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD3	19	0.23
(1,1147)	1:483:A:SER:HB2	1:484:A:LYS:HA	15	0.23
(1,1147)	1:483:A:SER:HB3	1:484:A:LYS:HA	15	0.23
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	5	0.23
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	5	0.23
(1,1139)	1:477:A:LYS:HG2	1:479:A:GLN:HG2	11	0.23
(1,1139)	1:477:A:LYS:HG2	1:479:A:GLN:HG3	11	0.23
(1,1139)	1:477:A:LYS:HG3	1:479:A:GLN:HG2	11	0.23
(1,1139)	1:477:A:LYS:HG3	1:479:A:GLN:HG3	11	0.23
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	3	0.23
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1121)	1:420:A:ASP:HA	1:423:A:GLN:HG3	1	0.23
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	13	0.23
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	6	0.23
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	11	0.23
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	19	0.23
(1,1103)	1:479:A:GLN:HG2	1:480:A:LEU:H	10	0.23
(1,1103)	1:479:A:GLN:HG3	1:480:A:LEU:H	10	0.23
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	5	0.23
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	5	0.23
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	1	0.23
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	18	0.23
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	18	0.23
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	18	0.23
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	2	0.23
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	8	0.23
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	11	0.23
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	7	0.23
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	7	0.23
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	7	0.23
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	14	0.23
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	14	0.23
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	14	0.23
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	16	0.23
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	16	0.23
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	16	0.23
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	7	0.23
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	7	0.23
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	11	0.23
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	11	0.23
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	3	0.23
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	15	0.23
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	15	0.23
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	16	0.23
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	16	0.23
(1,1054)	1:471:A:ILE:HG21	1:474:A:LYS:HB2	6	0.23
(1,1054)	1:471:A:ILE:HG22	1:474:A:LYS:HB2	6	0.23
(1,1054)	1:471:A:ILE:HG23	1:474:A:LYS:HB2	6	0.23
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	3	0.23
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	3	0.23
(1,1029)	1:486:A:ASP:HB3	1:487:A:SER:HA	2	0.23
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	13	0.23
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	9	0.23
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	15	0.23
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	19	0.23
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	19	0.23
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	16	0.23
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	10	0.23
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	15	0.23
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	10	0.23
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	10	0.23
(1,998)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	6	0.23
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	2	0.23
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	14	0.23
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	4	0.23
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	4	0.23
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	4	0.23
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	13	0.23
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	13	0.23
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	13	0.23
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	20	0.23
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	20	0.23
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	20	0.23
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD11	14	0.23
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD12	14	0.23
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD13	14	0.23
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	20	0.23
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	20	0.23
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	20	0.23
(1,964)	1:422:A:LEU:HA	1:434:A:ALA:HA	20	0.23
(1,960)	1:409:A:ILE:HA	1:410:A:TYR:HB2	1	0.23
(1,960)	1:409:A:ILE:HA	1:410:A:TYR:HB2	4	0.23
(1,960)	1:409:A:ILE:HA	1:410:A:TYR:HB2	15	0.23
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	7	0.23
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	7	0.23
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	7	0.23
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	10	0.23
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	10	0.23
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	10	0.23
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	10	0.23
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	10	0.23
(1,928)	1:400:A:GLU:HG2	1:401:A:GLY:H	8	0.23
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	13	0.23
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	13	0.23
(1,919)	1:400:A:GLU:HG3	1:406:A:ASN:HD21	20	0.23
(1,914)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	4	0.23
(1,914)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	4	0.23
(1,914)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	4	0.23
(1,914)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	4	0.23
(1,914)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	4	0.23
(1,914)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	4	0.23
(1,914)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	4	0.23
(1,914)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	4	0.23
(1,914)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	4	0.23
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD1	14	0.23
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD2	14	0.23
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD1	14	0.23
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD2	14	0.23
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD1	14	0.23
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD2	14	0.23
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	10	0.23
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	10	0.23
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	10	0.23
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	2	0.23
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	2	0.23
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	9	0.23
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	9	0.23
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	1	0.23
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	2	0.23
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	8	0.23
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	12	0.23
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	12	0.23
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	12	0.23
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	4	0.23
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	4	0.23
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	4	0.23
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	10	0.23
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	10	0.23
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	10	0.23
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG11	13	0.23
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG12	13	0.23
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG13	13	0.23
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG11	13	0.23
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG12	13	0.23
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG13	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB2	11	0.23
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB3	11	0.23
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB2	12	0.23
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB3	12	0.23
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	13	0.23
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	17	0.23
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	17	0.23
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	17	0.23
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	16	0.23
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	19	0.23
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	19	0.23
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	19	0.23
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	8	0.23
(1,838)	1:443:A:ASN:HB3	1:444:A:LEU:H	12	0.23
(1,838)	1:443:A:ASN:HB3	1:444:A:LEU:H	18	0.23
(1,838)	1:443:A:ASN:HB3	1:444:A:LEU:H	20	0.23
(1,835)	1:442:A:THR:H	1:443:A:ASN:HB3	11	0.23
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	2	0.23
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	3	0.23
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	6	0.23
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	8	0.23
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	16	0.23
(1,827)	1:407:A:LEU:HD11	1:478:A:VAL:HA	13	0.23
(1,827)	1:407:A:LEU:HD12	1:478:A:VAL:HA	13	0.23
(1,827)	1:407:A:LEU:HD13	1:478:A:VAL:HA	13	0.23
(1,827)	1:407:A:LEU:HD21	1:478:A:VAL:HA	13	0.23
(1,827)	1:407:A:LEU:HD22	1:478:A:VAL:HA	13	0.23
(1,827)	1:407:A:LEU:HD23	1:478:A:VAL:HA	13	0.23
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	17	0.23
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	17	0.23
(1,789)	1:485:A:ASN:HB3	1:486:A:ASP:H	1	0.23
(1,789)	1:485:A:ASN:HB3	1:486:A:ASP:H	18	0.23
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	6	0.23
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	6	0.23
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	6	0.23
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	6	0.23
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	6	0.23
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	6	0.23
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	6	0.23
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	6	0.23
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	6	0.23
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	7	0.23
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	7	0.23
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	7	0.23
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	7	0.23
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	7	0.23
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	7	0.23
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	7	0.23
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	7	0.23
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	19	0.23
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	19	0.23
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	19	0.23
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	19	0.23
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	19	0.23
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	19	0.23
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	19	0.23
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	19	0.23
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	19	0.23
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	11	0.23
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	11	0.23
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	11	0.23
(1,778)	1:409:A:ILE:HD11	1:421:A:ILE:HG12	10	0.23
(1,778)	1:409:A:ILE:HD12	1:421:A:ILE:HG12	10	0.23
(1,778)	1:409:A:ILE:HD13	1:421:A:ILE:HG12	10	0.23
(1,778)	1:409:A:ILE:HD11	1:421:A:ILE:HG12	17	0.23
(1,778)	1:409:A:ILE:HD12	1:421:A:ILE:HG12	17	0.23
(1,778)	1:409:A:ILE:HD13	1:421:A:ILE:HG12	17	0.23
(1,773)	1:409:A:ILE:HD11	1:450:A:PHE:HA	2	0.23
(1,773)	1:409:A:ILE:HD12	1:450:A:PHE:HA	2	0.23
(1,773)	1:409:A:ILE:HD13	1:450:A:PHE:HA	2	0.23
(1,767)	1:409:A:ILE:HD11	1:449:A:GLY:H	19	0.23
(1,767)	1:409:A:ILE:HD12	1:449:A:GLY:H	19	0.23
(1,767)	1:409:A:ILE:HD13	1:449:A:GLY:H	19	0.23
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE1	20	0.23
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE2	20	0.23
(1,753)	1:402:A:PRO:HA	1:404:A:GLY:H	8	0.23
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB1	8	0.23
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB2	8	0.23
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB3	8	0.23
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	10	0.23
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	20	0.23
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	1	0.23
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	18	0.23
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	18	0.23
(1,735)	1:412:A:LEU:HB3	1:416:A:PHE:HB3	4	0.23
(1,735)	1:412:A:LEU:HB3	1:416:A:PHE:HB3	14	0.23
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	7	0.23
(1,698)	1:438:A:ILE:HG21	1:439:A:ASP:HB2	19	0.23
(1,698)	1:438:A:ILE:HG22	1:439:A:ASP:HB2	19	0.23
(1,698)	1:438:A:ILE:HG23	1:439:A:ASP:HB2	19	0.23
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	5	0.23
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	5	0.23
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	5	0.23
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	9	0.23
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	9	0.23
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	9	0.23
(1,688)	1:419:A:GLN:HA	1:420:A:ASP:HB3	9	0.23
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	20	0.23
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	20	0.23
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	20	0.23
(1,668)	1:438:A:ILE:HB	1:440:A:LYS:H	20	0.23
(1,649)	1:463:A:ILE:HG21	1:464:A:GLN:HG2	6	0.23
(1,649)	1:463:A:ILE:HG21	1:464:A:GLN:HG3	6	0.23
(1,649)	1:463:A:ILE:HG22	1:464:A:GLN:HG2	6	0.23
(1,649)	1:463:A:ILE:HG22	1:464:A:GLN:HG3	6	0.23
(1,649)	1:463:A:ILE:HG23	1:464:A:GLN:HG2	6	0.23
(1,649)	1:463:A:ILE:HG23	1:464:A:GLN:HG3	6	0.23
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	18	0.23
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	18	0.23
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	18	0.23
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	1	0.23
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	1	0.23
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	1	0.23
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	1	0.23
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	1	0.23
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	1	0.23
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	6	0.23
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	6	0.23
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	20	0.23
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	20	0.23
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	13	0.23
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	2	0.23
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	2	0.23
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	5	0.23
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	5	0.23
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	5	0.23
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	8	0.23
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	8	0.23
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	8	0.23
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	18	0.23
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	18	0.23
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	18	0.23
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	9	0.23
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	9	0.23
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	9	0.23
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	9	0.23
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	9	0.23
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	9	0.23
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	9	0.23
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	9	0.23
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	9	0.23
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	15	0.23
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	15	0.23
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	15	0.23
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	15	0.23
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	15	0.23
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	15	0.23
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	15	0.23
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	15	0.23
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	15	0.23
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG21	12	0.23
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG22	12	0.23
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG23	12	0.23
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	1	0.23
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	1	0.23
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	1	0.23
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	4	0.23
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	4	0.23
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	4	0.23
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	1	0.23
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	2	0.23
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE1	5	0.23
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE2	5	0.23
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE1	15	0.23
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE2	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE1	16	0.23
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE2	16	0.23
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	2	0.23
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	12	0.23
(1,508)	1:435:A:LYS:HE2	1:450:A:PHE:HB3	14	0.23
(1,508)	1:435:A:LYS:HE3	1:450:A:PHE:HB3	14	0.23
(1,508)	1:435:A:LYS:HE2	1:450:A:PHE:HB3	15	0.23
(1,508)	1:435:A:LYS:HE3	1:450:A:PHE:HB3	15	0.23
(1,498)	1:438:A:ILE:HG21	1:440:A:LYS:HE2	15	0.23
(1,498)	1:438:A:ILE:HG21	1:440:A:LYS:HE3	15	0.23
(1,498)	1:438:A:ILE:HG22	1:440:A:LYS:HE2	15	0.23
(1,498)	1:438:A:ILE:HG22	1:440:A:LYS:HE3	15	0.23
(1,498)	1:438:A:ILE:HG23	1:440:A:LYS:HE2	15	0.23
(1,498)	1:438:A:ILE:HG23	1:440:A:LYS:HE3	15	0.23
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE2	10	0.23
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE3	10	0.23
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	4	0.23
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	4	0.23
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	4	0.23
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	19	0.23
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	19	0.23
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	19	0.23
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	2	0.23
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	2	0.23
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	2	0.23
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE2	2	0.23
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE3	2	0.23
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE2	7	0.23
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE3	7	0.23
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE2	18	0.23
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE3	18	0.23
(1,467)	1:412:A:LEU:HB3	1:449:A:GLY:HA3	8	0.23
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD2	19	0.23
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD3	19	0.23
(1,435)	1:433:A:SER:HB3	1:450:A:PHE:HD1	11	0.23
(1,435)	1:433:A:SER:HB3	1:450:A:PHE:HD2	11	0.23
(1,425)	1:433:A:SER:HB2	1:434:A:ALA:HA	11	0.23
(1,424)	1:408:A:PHE:HE1	1:433:A:SER:HB2	8	0.23
(1,424)	1:408:A:PHE:HE2	1:433:A:SER:HB2	8	0.23
(1,417)	1:407:A:LEU:HD11	1:453:A:TYR:HB3	4	0.23
(1,417)	1:407:A:LEU:HD12	1:453:A:TYR:HB3	4	0.23
(1,417)	1:407:A:LEU:HD13	1:453:A:TYR:HB3	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,417)	1:407:A:LEU:HD21	1:453:A:TYR:HB3	4	0.23
(1,417)	1:407:A:LEU:HD22	1:453:A:TYR:HB3	4	0.23
(1,417)	1:407:A:LEU:HD23	1:453:A:TYR:HB3	4	0.23
(1,380)	1:468:A:GLY:HA3	1:475:A:ARG:HD2	19	0.23
(1,379)	1:475:A:ARG:HA	1:475:A:ARG:HD2	16	0.23
(1,378)	1:470:A:GLN:HE21	1:475:A:ARG:HD2	3	0.23
(1,378)	1:470:A:GLN:HE21	1:475:A:ARG:HD2	13	0.23
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	16	0.23
(1,375)	1:468:A:GLY:H	1:475:A:ARG:HD3	7	0.23
(1,369)	1:401:A:GLY:H	1:452:A:SER:HB2	10	0.23
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	4	0.23
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	4	0.23
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	4	0.23
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	15	0.23
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	15	0.23
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	15	0.23
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	15	0.23
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	15	0.23
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	15	0.23
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	15	0.23
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	15	0.23
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	15	0.23
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	3	0.23
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	3	0.23
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	3	0.23
(1,329)	1:407:A:LEU:H	1:451:A:VAL:HG11	17	0.23
(1,329)	1:407:A:LEU:H	1:451:A:VAL:HG12	17	0.23
(1,329)	1:407:A:LEU:H	1:451:A:VAL:HG13	17	0.23
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	4	0.23
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	13	0.23
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	17	0.23
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	3	0.23
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	13	0.23
(1,319)	1:433:A:SER:HB2	1:450:A:PHE:HB2	16	0.23
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	3	0.23
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	3	0.23
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	3	0.23
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	20	0.23
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	20	0.23
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	20	0.23
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB1	11	0.23
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB2	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB3	11	0.23
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	3	0.23
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	3	0.23
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	3	0.23
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	10	0.23
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	10	0.23
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	10	0.23
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	10	0.23
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	10	0.23
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	10	0.23
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG11	10	0.23
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG12	10	0.23
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG13	10	0.23
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	11	0.23
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	11	0.23
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	11	0.23
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	18	0.23
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	18	0.23
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	18	0.23
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	7	0.23
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	7	0.23
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	7	0.23
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	11	0.23
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	11	0.23
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	11	0.23
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	6	0.23
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	6	0.23
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	6	0.23
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	19	0.23
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	19	0.23
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	19	0.23
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	12	0.23
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	12	0.23
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	12	0.23
(1,235)	1:434:A:ALA:HA	1:451:A:VAL:HG21	16	0.23
(1,235)	1:434:A:ALA:HA	1:451:A:VAL:HG22	16	0.23
(1,235)	1:434:A:ALA:HA	1:451:A:VAL:HG23	16	0.23
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	4	0.23
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	4	0.23
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	4	0.23
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	10	0.23
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	10	0.23
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	3	0.23
(1,223)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	3	0.23
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG21	20	0.23
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG22	20	0.23
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG23	20	0.23
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG21	20	0.23
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG22	20	0.23
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG23	20	0.23
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	6	0.23
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	6	0.23
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	6	0.23
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	18	0.23
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	18	0.23
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	18	0.23
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	3	0.23
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	3	0.23
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	3	0.23
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	3	0.23
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	3	0.23
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	3	0.23
(1,200)	1:404:A:GLY:HA2	1:456:A:PRO:HB3	9	0.23
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	8	0.23
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	8	0.23
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	8	0.23
(1,184)	1:404:A:GLY:HA3	1:456:A:PRO:HB2	16	0.23
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	12	0.23
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	12	0.23
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	12	0.23
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	15	0.23
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	15	0.23
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	15	0.23
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	1	0.23
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	1	0.23
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	1	0.23
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	11	0.23
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	11	0.23
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	11	0.23
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	17	0.23
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	17	0.23
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	17	0.23
(1,169)	1:457:A:VAL:HG11	1:460:A:GLN:HE21	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:457:A:VAL:HG12	1:460:A:GLN:HE21	14	0.23
(1,169)	1:457:A:VAL:HG13	1:460:A:GLN:HE21	14	0.23
(1,169)	1:457:A:VAL:HG21	1:460:A:GLN:HE21	14	0.23
(1,169)	1:457:A:VAL:HG22	1:460:A:GLN:HE21	14	0.23
(1,169)	1:457:A:VAL:HG23	1:460:A:GLN:HE21	14	0.23
(1,169)	1:457:A:VAL:HG11	1:460:A:GLN:HE21	19	0.23
(1,169)	1:457:A:VAL:HG12	1:460:A:GLN:HE21	19	0.23
(1,169)	1:457:A:VAL:HG13	1:460:A:GLN:HE21	19	0.23
(1,169)	1:457:A:VAL:HG21	1:460:A:GLN:HE21	19	0.23
(1,169)	1:457:A:VAL:HG22	1:460:A:GLN:HE21	19	0.23
(1,169)	1:457:A:VAL:HG23	1:460:A:GLN:HE21	19	0.23
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	5	0.23
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	5	0.23
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	6	0.23
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	6	0.23
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	9	0.23
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	9	0.23
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	9	0.23
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	9	0.23
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	9	0.23
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	9	0.23
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	9	0.23
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	9	0.23
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	9	0.23
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	9	0.23
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	9	0.23
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	9	0.23
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG21	9	0.23
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG22	9	0.23
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG23	9	0.23
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	16	0.23
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	16	0.23
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	16	0.23
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	16	0.23
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	16	0.23
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	16	0.23
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD11	18	0.23
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD12	18	0.23
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD13	18	0.23
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD21	18	0.23
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD22	18	0.23
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD23	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	1	0.23
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	1	0.23
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	1	0.23
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	1	0.23
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	1	0.23
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	1	0.23
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	1	0.23
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	1	0.23
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	1	0.23
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	1	0.23
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	1	0.23
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	1	0.23
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	1	0.23
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	1	0.23
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	1	0.23
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	1	0.23
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	1	0.23
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	1	0.23
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	6	0.23
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	6	0.23
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	6	0.23
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	6	0.23
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	6	0.23
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	6	0.23
(1,117)	1:442:A:THR:HG21	1:444:A:LEU:HG	14	0.23
(1,117)	1:442:A:THR:HG22	1:444:A:LEU:HG	14	0.23
(1,117)	1:442:A:THR:HG23	1:444:A:LEU:HG	14	0.23
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	12	0.23
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	12	0.23
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	12	0.23
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	12	0.23
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	12	0.23
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	12	0.23
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD11	11	0.23
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD12	11	0.23
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD13	11	0.23
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD21	11	0.23
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD22	11	0.23
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD23	11	0.23
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	3	0.23
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	3	0.23
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	3	0.23
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	3	0.23
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	3	0.23
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	15	0.23
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	15	0.23
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	15	0.23
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	15	0.23
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	15	0.23
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	15	0.23
(1,85)	1:480:A:LEU:HD11	1:481:A:LYS:H	4	0.23
(1,85)	1:480:A:LEU:HD12	1:481:A:LYS:H	4	0.23
(1,85)	1:480:A:LEU:HD13	1:481:A:LYS:H	4	0.23
(1,85)	1:480:A:LEU:HD21	1:481:A:LYS:H	4	0.23
(1,85)	1:480:A:LEU:HD22	1:481:A:LYS:H	4	0.23
(1,85)	1:480:A:LEU:HD23	1:481:A:LYS:H	4	0.23
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG2	11	0.23
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG3	11	0.23
(1,59)	1:474:A:LYS:H	1:474:A:LYS:HG2	19	0.23
(1,59)	1:474:A:LYS:H	1:474:A:LYS:HG2	20	0.23
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD11	4	0.23
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD12	4	0.23
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD13	4	0.23
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD21	4	0.23
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD22	4	0.23
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD23	4	0.23
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	1	0.23
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	7	0.23
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	7	0.23
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	7	0.23
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	7	0.23
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	7	0.23
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	7	0.23
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	17	0.23
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	17	0.23
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	17	0.23
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	17	0.23
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	17	0.23
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	17	0.23
(1,41)	1:407:A:LEU:HD11	1:452:A:SER:H	16	0.23
(1,41)	1:407:A:LEU:HD12	1:452:A:SER:H	16	0.23
(1,41)	1:407:A:LEU:HD13	1:452:A:SER:H	16	0.23
(1,41)	1:407:A:LEU:HD21	1:452:A:SER:H	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,41)	1:407:A:LEU:HD22	1:452:A:SER:H	16	0.23
(1,41)	1:407:A:LEU:HD23	1:452:A:SER:H	16	0.23
(1,36)	1:425:A:PHE:HE1	1:476:A:LEU:HG	4	0.23
(1,36)	1:425:A:PHE:HE2	1:476:A:LEU:HG	4	0.23
(1,36)	1:425:A:PHE:HE1	1:476:A:LEU:HG	14	0.23
(1,36)	1:425:A:PHE:HE2	1:476:A:LEU:HG	14	0.23
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	7	0.23
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	1	0.23
(1,28)	1:400:A:GLU:HB2	1:402:A:PRO:HD3	17	0.23
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	3	0.23
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB1	10	0.23
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB2	10	0.23
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB3	10	0.23
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	5	0.23
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG2	1	0.22
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG3	1	0.22
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG2	1	0.22
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG3	1	0.22
(1,2437)	1:410:A:TYR:HE1	1:448:A:PHE:HB2	14	0.22
(1,2437)	1:410:A:TYR:HE1	1:448:A:PHE:HB3	14	0.22
(1,2437)	1:410:A:TYR:HE2	1:448:A:PHE:HB2	14	0.22
(1,2437)	1:410:A:TYR:HE2	1:448:A:PHE:HB3	14	0.22
(1,2433)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	13	0.22
(1,2433)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	13	0.22
(1,2433)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	13	0.22
(1,2433)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	13	0.22
(1,2433)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	13	0.22
(1,2433)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	13	0.22
(1,2433)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	13	0.22
(1,2433)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	13	0.22
(1,2433)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	13	0.22
(1,2433)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	13	0.22
(1,2433)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	13	0.22
(1,2433)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	13	0.22
(1,2433)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	14	0.22
(1,2433)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	14	0.22
(1,2433)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	14	0.22
(1,2433)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	14	0.22
(1,2433)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	14	0.22
(1,2433)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	14	0.22
(1,2433)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	14	0.22
(1,2433)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2433)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	14	0.22
(1,2433)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	14	0.22
(1,2433)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	14	0.22
(1,2433)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	14	0.22
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	1	0.22
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	1	0.22
(1,2409)	1:408:A:PHE:HE1	1:452:A:SER:H	14	0.22
(1,2409)	1:408:A:PHE:HE2	1:452:A:SER:H	14	0.22
(1,2409)	1:408:A:PHE:HE1	1:452:A:SER:H	17	0.22
(1,2409)	1:408:A:PHE:HE2	1:452:A:SER:H	17	0.22
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	13	0.22
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	13	0.22
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	13	0.22
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	13	0.22
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	13	0.22
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	13	0.22
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	8	0.22
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	8	0.22
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	15	0.22
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	15	0.22
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	18	0.22
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	18	0.22
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	18	0.22
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	18	0.22
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	18	0.22
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	18	0.22
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	18	0.22
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	18	0.22
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	18	0.22
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	18	0.22
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	18	0.22
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	18	0.22
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	11	0.22
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	11	0.22
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	11	0.22
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	11	0.22
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	11	0.22
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	11	0.22
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG2	9	0.22
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG3	9	0.22
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG2	9	0.22
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG3	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2375)	1:437:A:PHE:HD1	1:438:A:ILE:H	3	0.22
(1,2375)	1:437:A:PHE:HD2	1:438:A:ILE:H	3	0.22
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	10	0.22
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	10	0.22
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	10	0.22
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	10	0.22
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	10	0.22
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	10	0.22
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD1	4	0.22
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD2	4	0.22
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD1	20	0.22
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD2	20	0.22
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	19	0.22
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	19	0.22
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	6	0.22
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE1	7	0.22
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE2	7	0.22
(1,2297)	1:428:A:PHE:HE1	1:466:A:MET:H	16	0.22
(1,2297)	1:428:A:PHE:HE2	1:466:A:MET:H	16	0.22
(1,2286)	1:456:A:PRO:HB2	1:460:A:GLN:HE22	17	0.22
(1,2284)	1:422:A:LEU:HB2	1:423:A:GLN:HE21	4	0.22
(1,2284)	1:422:A:LEU:HB2	1:423:A:GLN:HE21	14	0.22
(1,2284)	1:422:A:LEU:HB2	1:423:A:GLN:HE21	17	0.22
(1,2280)	1:463:A:ILE:HG21	1:464:A:GLN:HE22	1	0.22
(1,2280)	1:463:A:ILE:HG22	1:464:A:GLN:HE22	1	0.22
(1,2280)	1:463:A:ILE:HG23	1:464:A:GLN:HE22	1	0.22
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	2	0.22
(1,2276)	1:464:A:GLN:H	1:464:A:GLN:HE22	4	0.22
(1,2272)	1:438:A:ILE:HG21	1:443:A:ASN:HD21	8	0.22
(1,2272)	1:438:A:ILE:HG22	1:443:A:ASN:HD21	8	0.22
(1,2272)	1:438:A:ILE:HG23	1:443:A:ASN:HD21	8	0.22
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	13	0.22
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	13	0.22
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	13	0.22
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	19	0.22
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	19	0.22
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	19	0.22
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	5	0.22
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	5	0.22
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	20	0.22
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	20	0.22
(1,2248)	1:444:A:LEU:HB2	1:479:A:GLN:HE21	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2248)	1:444:A:LEU:HB2	1:479:A:GLN:HE21	18	0.22
(1,2242)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	1	0.22
(1,2242)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	13	0.22
(1,2241)	1:445:A:SER:HB2	1:479:A:GLN:HE22	2	0.22
(1,2241)	1:445:A:SER:HB2	1:479:A:GLN:HE22	8	0.22
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	17	0.22
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	17	0.22
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	17	0.22
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	10	0.22
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG11	4	0.22
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG12	4	0.22
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG13	4	0.22
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	9	0.22
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	15	0.22
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	17	0.22
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	18	0.22
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	10	0.22
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	13	0.22
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	11	0.22
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	18	0.22
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	18	0.22
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	18	0.22
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	18	0.22
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	18	0.22
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	18	0.22
(1,2133)	1:424:A:MET:H	1:425:A:PHE:HB3	3	0.22
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	2	0.22
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	3	0.22
(1,2125)	1:420:A:ASP:HA	1:423:A:GLN:H	10	0.22
(1,2125)	1:420:A:ASP:HA	1:423:A:GLN:H	17	0.22
(1,2125)	1:420:A:ASP:HA	1:423:A:GLN:H	19	0.22
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	12	0.22
(1,2105)	1:420:A:ASP:HB3	1:421:A:ILE:H	7	0.22
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	14	0.22
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	19	0.22
(1,2093)	1:464:A:GLN:H	1:465:A:ALA:H	12	0.22
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	17	0.22
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	10	0.22
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	20	0.22
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	6	0.22
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	7	0.22
(1,2074)	1:441:A:GLN:H	1:441:A:GLN:HB3	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	5	0.22
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	7	0.22
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	11	0.22
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	12	0.22
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	18	0.22
(1,2038)	1:439:A:ASP:HB3	1:444:A:LEU:H	15	0.22
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	7	0.22
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	13	0.22
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	18	0.22
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	11	0.22
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	11	0.22
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	11	0.22
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	3	0.22
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	5	0.22
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	6	0.22
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	20	0.22
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	17	0.22
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB2	5	0.22
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB3	5	0.22
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	14	0.22
(1,2000)	1:403:A:GLU:H	1:403:A:GLU:HB2	15	0.22
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	8	0.22
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	14	0.22
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	1	0.22
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	7	0.22
(1,1974)	1:411:A:HIS:HB3	1:475:A:ARG:H	3	0.22
(1,1974)	1:411:A:HIS:HB3	1:475:A:ARG:H	4	0.22
(1,1974)	1:411:A:HIS:HB3	1:475:A:ARG:H	17	0.22
(1,1974)	1:411:A:HIS:HB3	1:475:A:ARG:H	18	0.22
(1,1966)	1:403:A:GLU:HA	1:405:A:ALA:H	3	0.22
(1,1963)	1:450:A:PHE:H	1:451:A:VAL:H	14	0.22
(1,1960)	1:436:A:VAL:HA	1:450:A:PHE:H	7	0.22
(1,1960)	1:436:A:VAL:HA	1:450:A:PHE:H	8	0.22
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	8	0.22
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	15	0.22
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	4	0.22
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	12	0.22
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	18	0.22
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	2	0.22
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	2	0.22
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	6	0.22
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:435:A:LYS:H	1:435:A:LYS:HG2	9	0.22
(1,1930)	1:435:A:LYS:H	1:450:A:PHE:HB3	20	0.22
(1,1928)	1:435:A:LYS:H	1:451:A:VAL:HA	9	0.22
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	10	0.22
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	17	0.22
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	17	0.22
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	17	0.22
(1,1914)	1:399:A:LYS:HB2	1:400:A:GLU:H	7	0.22
(1,1914)	1:399:A:LYS:HB3	1:400:A:GLU:H	7	0.22
(1,1914)	1:399:A:LYS:HB2	1:400:A:GLU:H	20	0.22
(1,1914)	1:399:A:LYS:HB3	1:400:A:GLU:H	20	0.22
(1,1911)	1:400:A:GLU:H	1:433:A:SER:HB3	19	0.22
(1,1906)	1:435:A:LYS:HE2	1:438:A:ILE:H	4	0.22
(1,1906)	1:435:A:LYS:HE3	1:438:A:ILE:H	4	0.22
(1,1906)	1:435:A:LYS:HE2	1:438:A:ILE:H	15	0.22
(1,1906)	1:435:A:LYS:HE3	1:438:A:ILE:H	15	0.22
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	14	0.22
(1,1896)	1:418:A:ASP:H	1:419:A:GLN:H	8	0.22
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	19	0.22
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	7	0.22
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	10	0.22
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	20	0.22
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	8	0.22
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	8	0.22
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	15	0.22
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	15	0.22
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	1	0.22
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	1	0.22
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD11	14	0.22
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD12	14	0.22
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD13	14	0.22
(1,1826)	1:410:A:TYR:H	1:476:A:LEU:HA	5	0.22
(1,1823)	1:410:A:TYR:H	1:411:A:HIS:H	20	0.22
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	19	0.22
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	19	0.22
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	19	0.22
(1,1816)	1:469:A:PHE:H	1:469:A:PHE:HB3	13	0.22
(1,1806)	1:489:A:PRO:HG2	1:490:A:TYR:H	19	0.22
(1,1805)	1:490:A:TYR:H	1:490:A:TYR:HB2	6	0.22
(1,1805)	1:490:A:TYR:H	1:490:A:TYR:HB2	13	0.22
(1,1801)	1:410:A:TYR:HB2	1:477:A:LYS:H	5	0.22
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	11	0.22
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	17	0.22
(1,1786)	1:409:A:ILE:HA	1:477:A:LYS:H	2	0.22
(1,1786)	1:409:A:ILE:HA	1:477:A:LYS:H	5	0.22
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	20	0.22
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	20	0.22
(1,1764)	1:437:A:PHE:H	1:449:A:GLY:HA3	2	0.22
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	19	0.22
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	9	0.22
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	4	0.22
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	5	0.22
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	13	0.22
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	15	0.22
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	13	0.22
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	13	0.22
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	13	0.22
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	17	0.22
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	17	0.22
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	17	0.22
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	10	0.22
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	10	0.22
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	12	0.22
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	12	0.22
(1,1703)	1:402:A:PRO:HG2	1:405:A:ALA:HA	19	0.22
(1,1702)	1:402:A:PRO:HG2	1:456:A:PRO:HA	15	0.22
(1,1702)	1:402:A:PRO:HG2	1:456:A:PRO:HA	19	0.22
(1,1682)	1:482:A:ARG:HG2	1:483:A:SER:HB2	11	0.22
(1,1682)	1:482:A:ARG:HG2	1:483:A:SER:HB3	11	0.22
(1,1682)	1:482:A:ARG:HG3	1:483:A:SER:HB2	11	0.22
(1,1682)	1:482:A:ARG:HG3	1:483:A:SER:HB3	11	0.22
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	7	0.22
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	2	0.22
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	2	0.22
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	2	0.22
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	2	0.22
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	2	0.22
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	2	0.22
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	2	0.22
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	2	0.22
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	2	0.22
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	2	0.22
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	2	0.22
(1,1657)	1:419:A:GLN:HB2	1:422:A:LEU:HB2	10	0.22
(1,1657)	1:419:A:GLN:HB2	1:422:A:LEU:HB2	11	0.22
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG2	14	0.22
(1,1641)	1:468:A:GLY:HA3	1:475:A:ARG:HG3	14	0.22
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG2	6	0.22
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG3	6	0.22
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG2	6	0.22
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG3	6	0.22
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	13	0.22
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	13	0.22
(1,1634)	1:404:A:GLY:HA2	1:405:A:ALA:HA	4	0.22
(1,1630)	1:405:A:ALA:HA	1:452:A:SER:HA	13	0.22
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	5	0.22
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	5	0.22
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	5	0.22
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	5	0.22
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	5	0.22
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	5	0.22
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	12	0.22
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	12	0.22
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	12	0.22
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	12	0.22
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	12	0.22
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	12	0.22
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	15	0.22
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	15	0.22
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	15	0.22
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	15	0.22
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	15	0.22
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	15	0.22
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	6	0.22
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	6	0.22
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	20	0.22
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	20	0.22
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	3	0.22
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	3	0.22
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	3	0.22
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	3	0.22
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	3	0.22
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	3	0.22
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	17	0.22
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	16	0.22
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	1	0.22
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	2	0.22
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	2	0.22
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	12	0.22
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	12	0.22
(1,1542)	1:416:A:PHE:HE1	1:421:A:ILE:HG12	4	0.22
(1,1542)	1:416:A:PHE:HE2	1:421:A:ILE:HG12	4	0.22
(1,1532)	1:440:A:LYS:HD2	1:441:A:GLN:HB2	16	0.22
(1,1532)	1:440:A:LYS:HD3	1:441:A:GLN:HB2	16	0.22
(1,1532)	1:440:A:LYS:HD2	1:441:A:GLN:HB2	19	0.22
(1,1532)	1:440:A:LYS:HD3	1:441:A:GLN:HB2	19	0.22
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD11	6	0.22
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD12	6	0.22
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD13	6	0.22
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD11	6	0.22
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD12	6	0.22
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD13	6	0.22
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	3	0.22
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	3	0.22
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	16	0.22
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	16	0.22
(1,1519)	1:439:A:ASP:HA	1:440:A:LYS:HD2	17	0.22
(1,1519)	1:439:A:ASP:HA	1:440:A:LYS:HD3	17	0.22
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	9	0.22
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	12	0.22
(1,1509)	1:441:A:GLN:HB2	1:443:A:ASN:H	11	0.22
(1,1509)	1:441:A:GLN:HB2	1:443:A:ASN:H	20	0.22
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	1	0.22
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	2	0.22
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	12	0.22
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	12	0.22
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	12	0.22
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	12	0.22
(1,1497)	1:406:A:ASN:HA	1:452:A:SER:HB3	2	0.22
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	4	0.22
(1,1493)	1:406:A:ASN:HA	1:453:A:TYR:H	12	0.22
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	6	0.22
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	17	0.22
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	7	0.22
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	7	0.22
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	1	0.22
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	3	0.22
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	18	0.22
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	19	0.22
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	3	0.22
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	3	0.22
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	3	0.22
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	3	0.22
(1,1443)	1:439:A:ASP:HA	1:442:A:THR:H	9	0.22
(1,1441)	1:465:A:ALA:HA	1:467:A:ASN:H	17	0.22
(1,1430)	1:418:A:ASP:HB3	1:435:A:LYS:HA	4	0.22
(1,1426)	1:485:A:ASN:HB2	1:486:A:ASP:HA	10	0.22
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	14	0.22
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	14	0.22
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	12	0.22
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	2	0.22
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	16	0.22
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	16	0.22
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	17	0.22
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	17	0.22
(1,1396)	1:453:A:TYR:HD1	1:459:A:ALA:HA	16	0.22
(1,1396)	1:453:A:TYR:HD2	1:459:A:ALA:HA	16	0.22
(1,1396)	1:453:A:TYR:HD1	1:459:A:ALA:HA	17	0.22
(1,1396)	1:453:A:TYR:HD2	1:459:A:ALA:HA	17	0.22
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	4	0.22
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	4	0.22
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	4	0.22
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	4	0.22
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	4	0.22
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	4	0.22
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	4	0.22
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	4	0.22
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	4	0.22
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	4	0.22
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	4	0.22
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	4	0.22
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	9	0.22
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	9	0.22
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	9	0.22
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	9	0.22
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	9	0.22
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	9	0.22
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	9	0.22
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	9	0.22
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	9	0.22
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	9	0.22
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	9	0.22
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	3	0.22
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	3	0.22
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	3	0.22
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	3	0.22
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	4	0.22
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	4	0.22
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	4	0.22
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	4	0.22
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	12	0.22
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	12	0.22
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	12	0.22
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	12	0.22
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD1	1	0.22
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD2	1	0.22
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD1	1	0.22
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD2	1	0.22
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	19	0.22
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	19	0.22
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	19	0.22
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	19	0.22
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	19	0.22
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	19	0.22
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	16	0.22
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	16	0.22
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	16	0.22
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	16	0.22
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	16	0.22
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	16	0.22
(1,1352)	1:465:A:ALA:H	1:466:A:MET:HG2	18	0.22
(1,1352)	1:465:A:ALA:H	1:466:A:MET:HG3	18	0.22
(1,1343)	1:426:A:MET:HG2	1:431:A:VAL:H	15	0.22
(1,1343)	1:426:A:MET:HG3	1:431:A:VAL:H	15	0.22
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	5	0.22
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	5	0.22
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	9	0.22
(1,1328)	1:412:A:LEU:HD11	1:448:A:PHE:HA	10	0.22
(1,1328)	1:412:A:LEU:HD12	1:448:A:PHE:HA	10	0.22
(1,1328)	1:412:A:LEU:HD13	1:448:A:PHE:HA	10	0.22
(1,1328)	1:412:A:LEU:HD21	1:448:A:PHE:HA	10	0.22
(1,1328)	1:412:A:LEU:HD22	1:448:A:PHE:HA	10	0.22
(1,1328)	1:412:A:LEU:HD23	1:448:A:PHE:HA	10	0.22
(1,1315)	1:413:A:PRO:HB2	1:416:A:PHE:HE1	4	0.22
(1,1315)	1:413:A:PRO:HB2	1:416:A:PHE:HE2	4	0.22
(1,1315)	1:413:A:PRO:HB3	1:416:A:PHE:HE1	4	0.22
(1,1315)	1:413:A:PRO:HB3	1:416:A:PHE:HE2	4	0.22
(1,1312)	1:472:A:GLY:HA2	1:473:A:MET:HG2	19	0.22
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	4	0.22
(1,1289)	1:405:A:ALA:HA	1:456:A:PRO:HB2	1	0.22
(1,1289)	1:405:A:ALA:HA	1:456:A:PRO:HB2	20	0.22
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	9	0.22
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	6	0.22
(1,1275)	1:456:A:PRO:HB2	1:457:A:VAL:HA	14	0.22
(1,1274)	1:456:A:PRO:HB2	1:457:A:VAL:H	19	0.22
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	1	0.22
(1,1254)	1:411:A:HIS:HD2	1:476:A:LEU:HA	7	0.22
(1,1238)	1:451:A:VAL:HG11	1:452:A:SER:HA	7	0.22
(1,1238)	1:451:A:VAL:HG12	1:452:A:SER:HA	7	0.22
(1,1238)	1:451:A:VAL:HG13	1:452:A:SER:HA	7	0.22
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	10	0.22
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	14	0.22
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	6	0.22
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	6	0.22
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	6	0.22
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	11	0.22
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	11	0.22
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	11	0.22
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	11	0.22
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	14	0.22
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE2	3	0.22
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE3	3	0.22
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE2	12	0.22
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE3	12	0.22
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	20	0.22
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	13	0.22
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	13	0.22
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	19	0.22
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	13	0.22
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	13	0.22
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	13	0.22
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	13	0.22
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	13	0.22
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	13	0.22
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	13	0.22
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	13	0.22
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG2	15	0.22
(1,1197)	1:459:A:ALA:HB1	1:460:A:GLN:HG3	15	0.22
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG2	15	0.22
(1,1197)	1:459:A:ALA:HB2	1:460:A:GLN:HG3	15	0.22
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG2	15	0.22
(1,1197)	1:459:A:ALA:HB3	1:460:A:GLN:HG3	15	0.22
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG2	17	0.22
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG3	17	0.22
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG2	10	0.22
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG3	10	0.22
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG2	10	0.22
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG3	10	0.22
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG2	10	0.22
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG3	10	0.22
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG2	10	0.22
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG3	10	0.22
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG2	10	0.22
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG3	10	0.22
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG2	10	0.22
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG3	10	0.22
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	17	0.22
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	19	0.22
(1,1181)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	20	0.22
(1,1181)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	20	0.22
(1,1164)	1:398:A:GLN:HG3	1:399:A:LYS:H	8	0.22
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	12	0.22
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	12	0.22
(1,1160)	1:480:A:LEU:HA	1:481:A:LYS:HB2	4	0.22
(1,1145)	1:484:A:LYS:HA	1:485:A:ASN:HB3	16	0.22
(1,1143)	1:408:A:PHE:HA	1:450:A:PHE:HA	6	0.22
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	4	0.22
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	4	0.22
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	6	0.22
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	10	0.22
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	10	0.22
(1,1139)	1:477:A:LYS:HG2	1:479:A:GLN:HG2	18	0.22
(1,1139)	1:477:A:LYS:HG2	1:479:A:GLN:HG3	18	0.22
(1,1139)	1:477:A:LYS:HG3	1:479:A:GLN:HG2	18	0.22
(1,1139)	1:477:A:LYS:HG3	1:479:A:GLN:HG3	18	0.22
(1,1135)	1:484:A:LYS:HA	1:484:A:LYS:HE2	12	0.22
(1,1135)	1:484:A:LYS:HA	1:484:A:LYS:HE3	12	0.22
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	15	0.22
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	11	0.22
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	14	0.22
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	17	0.22
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	19	0.22
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	5	0.22
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	7	0.22
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG21	5	0.22
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG22	5	0.22
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG23	5	0.22
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG21	16	0.22
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG22	16	0.22
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG23	16	0.22
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	2	0.22
(1,1087)	1:441:A:GLN:HA	1:441:A:GLN:HG2	14	0.22
(1,1085)	1:440:A:LYS:HG2	1:441:A:GLN:HG3	5	0.22
(1,1085)	1:440:A:LYS:HG3	1:441:A:GLN:HG3	5	0.22
(1,1085)	1:440:A:LYS:HG2	1:441:A:GLN:HG3	13	0.22
(1,1085)	1:440:A:LYS:HG3	1:441:A:GLN:HG3	13	0.22
(1,1083)	1:441:A:GLN:HG3	1:443:A:ASN:H	11	0.22
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	10	0.22
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	10	0.22
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	10	0.22
(1,1078)	1:440:A:LYS:HE2	1:441:A:GLN:HG3	5	0.22
(1,1078)	1:440:A:LYS:HE3	1:441:A:GLN:HG3	5	0.22
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	3	0.22
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	7	0.22
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	14	0.22
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	8	0.22
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	8	0.22
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	1	0.22
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	1	0.22
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	5	0.22
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	5	0.22
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	5	0.22
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	18	0.22
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	18	0.22
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	18	0.22
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	8	0.22
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	8	0.22
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB2	5	0.22
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB3	5	0.22
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE2	16	0.22
(1,1053)	1:474:A:LYS:HB2	1:474:A:LYS:HE3	16	0.22
(1,1028)	1:483:A:SER:HA	1:484:A:LYS:HG2	19	0.22
(1,1028)	1:483:A:SER:HA	1:484:A:LYS:HG3	19	0.22
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	12	0.22
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	12	0.22
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	5	0.22
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	4	0.22
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	4	0.22
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	5	0.22
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	5	0.22
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	11	0.22
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	11	0.22
(1,1002)	1:435:A:LYS:HE2	1:437:A:PHE:HA	13	0.22
(1,1002)	1:435:A:LYS:HE3	1:437:A:PHE:HA	13	0.22
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	19	0.22
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	4	0.22
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	6	0.22
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	1	0.22
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	1	0.22
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	1	0.22
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	11	0.22
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	11	0.22
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	11	0.22
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	2	0.22
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	2	0.22
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	2	0.22
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD11	9	0.22
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD12	9	0.22
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD13	9	0.22
(1,970)	1:414:A:GLN:HA	1:474:A:LYS:HD2	6	0.22
(1,970)	1:414:A:GLN:HA	1:474:A:LYS:HD3	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,960)	1:409:A:ILE:HA	1:410:A:TYR:HB2	14	0.22
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	3	0.22
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	3	0.22
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	2	0.22
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	2	0.22
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	2	0.22
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	2	0.22
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	2	0.22
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	2	0.22
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	14	0.22
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	14	0.22
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	14	0.22
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	14	0.22
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	14	0.22
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	14	0.22
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD1	6	0.22
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD2	6	0.22
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD1	15	0.22
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD2	15	0.22
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	18	0.22
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	14	0.22
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	14	0.22
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	14	0.22
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	14	0.22
(1,934)	1:435:A:LYS:HB2	1:436:A:VAL:HA	18	0.22
(1,934)	1:435:A:LYS:HB3	1:436:A:VAL:HA	18	0.22
(1,927)	1:400:A:GLU:HG2	1:406:A:ASN:HB2	20	0.22
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	14	0.22
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	14	0.22
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	14	0.22
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	14	0.22
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	14	0.22
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	14	0.22
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD11	19	0.22
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD12	19	0.22
(1,909)	1:421:A:ILE:HA	1:421:A:ILE:HD13	19	0.22
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD1	10	0.22
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD2	10	0.22
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD1	10	0.22
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD2	10	0.22
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD1	10	0.22
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD2	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	4	0.22
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	7	0.22
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	18	0.22
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	2	0.22
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	2	0.22
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	2	0.22
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD11	16	0.22
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD12	16	0.22
(1,888)	1:463:A:ILE:HB	1:463:A:ILE:HD13	16	0.22
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	12	0.22
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	12	0.22
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	12	0.22
(1,876)	1:433:A:SER:H	1:451:A:VAL:HA	16	0.22
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	1	0.22
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	1	0.22
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	1	0.22
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	1	0.22
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	1	0.22
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	1	0.22
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	2	0.22
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	2	0.22
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	2	0.22
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	2	0.22
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	2	0.22
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	2	0.22
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	11	0.22
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	11	0.22
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	11	0.22
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	11	0.22
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	11	0.22
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	11	0.22
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	7	0.22
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	7	0.22
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	7	0.22
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	15	0.22
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	15	0.22
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	15	0.22
(1,851)	1:399:A:LYS:HD2	1:432:A:ILE:HB	2	0.22
(1,851)	1:399:A:LYS:HD3	1:432:A:ILE:HB	2	0.22
(1,851)	1:399:A:LYS:HD2	1:432:A:ILE:HB	13	0.22
(1,851)	1:399:A:LYS:HD3	1:432:A:ILE:HB	13	0.22
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	2	0.22
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	2	0.22
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	2	0.22
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	2	0.22
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	2	0.22
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	2	0.22
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	12	0.22
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	12	0.22
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	12	0.22
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	12	0.22
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	12	0.22
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	12	0.22
(1,841)	1:432:A:ILE:H	1:432:A:ILE:HB	20	0.22
(1,838)	1:443:A:ASN:HB3	1:444:A:LEU:H	4	0.22
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	20	0.22
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	1	0.22
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	14	0.22
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	14	0.22
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	15	0.22
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	15	0.22
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG11	2	0.22
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG12	2	0.22
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG13	2	0.22
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG11	5	0.22
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG12	5	0.22
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG13	5	0.22
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	19	0.22
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	19	0.22
(1,795)	1:442:A:THR:HA	1:444:A:LEU:HB3	10	0.22
(1,789)	1:485:A:ASN:HB3	1:486:A:ASP:H	9	0.22
(1,789)	1:485:A:ASN:HB3	1:486:A:ASP:H	13	0.22
(1,784)	1:436:A:VAL:HA	1:449:A:GLY:HA3	14	0.22
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	20	0.22
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	20	0.22
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	20	0.22
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	20	0.22
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	20	0.22
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	20	0.22
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	20	0.22
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	20	0.22
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	20	0.22
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	9	0.22
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	9	0.22
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	19	0.22
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	19	0.22
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	19	0.22
(1,773)	1:409:A:ILE:HD11	1:450:A:PHE:HA	10	0.22
(1,773)	1:409:A:ILE:HD12	1:450:A:PHE:HA	10	0.22
(1,773)	1:409:A:ILE:HD13	1:450:A:PHE:HA	10	0.22
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	16	0.22
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	16	0.22
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	16	0.22
(1,767)	1:409:A:ILE:HD11	1:449:A:GLY:H	7	0.22
(1,767)	1:409:A:ILE:HD12	1:449:A:GLY:H	7	0.22
(1,767)	1:409:A:ILE:HD13	1:449:A:GLY:H	7	0.22
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB1	5	0.22
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB2	5	0.22
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB3	5	0.22
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB1	17	0.22
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB2	17	0.22
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB3	17	0.22
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	11	0.22
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	3	0.22
(1,735)	1:412:A:LEU:HB3	1:416:A:PHE:HB3	16	0.22
(1,735)	1:412:A:LEU:HB3	1:416:A:PHE:HB3	18	0.22
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	15	0.22
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	10	0.22
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG21	1	0.22
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG22	1	0.22
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG23	1	0.22
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG21	1	0.22
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG22	1	0.22
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG23	1	0.22
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG21	9	0.22
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG22	9	0.22
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG23	9	0.22
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG21	9	0.22
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG22	9	0.22
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG23	9	0.22
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	6	0.22
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	6	0.22
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	6	0.22
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	6	0.22
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	6	0.22
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	3	0.22
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	3	0.22
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	3	0.22
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	12	0.22
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	12	0.22
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	12	0.22
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	13	0.22
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	13	0.22
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	13	0.22
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	2	0.22
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	2	0.22
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	2	0.22
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	7	0.22
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	7	0.22
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	7	0.22
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	3	0.22
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	3	0.22
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	3	0.22
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	16	0.22
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	16	0.22
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	16	0.22
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	14	0.22
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	2	0.22
(1,661)	1:417:A:GLY:HA3	1:418:A:ASP:HB3	2	0.22
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	1	0.22
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	1	0.22
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	1	0.22
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	9	0.22
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	9	0.22
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	9	0.22
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	12	0.22
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	12	0.22
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	12	0.22
(1,638)	1:420:A:ASP:HB3	1:422:A:LEU:H	9	0.22
(1,631)	1:444:A:LEU:HD11	1:445:A:SER:HB2	2	0.22
(1,631)	1:444:A:LEU:HD12	1:445:A:SER:HB2	2	0.22
(1,631)	1:444:A:LEU:HD13	1:445:A:SER:HB2	2	0.22
(1,631)	1:444:A:LEU:HD21	1:445:A:SER:HB2	2	0.22
(1,631)	1:444:A:LEU:HD22	1:445:A:SER:HB2	2	0.22
(1,631)	1:444:A:LEU:HD23	1:445:A:SER:HB2	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:444:A:LEU:HB3	1:445:A:SER:HB3	19	0.22
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	7	0.22
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	7	0.22
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	7	0.22
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	7	0.22
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	7	0.22
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	7	0.22
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	9	0.22
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	9	0.22
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	9	0.22
(1,611)	1:410:A:TYR:HB3	1:411:A:HIS:HD2	3	0.22
(1,609)	1:410:A:TYR:HB3	1:411:A:HIS:HA	5	0.22
(1,609)	1:410:A:TYR:HB3	1:411:A:HIS:HA	12	0.22
(1,609)	1:410:A:TYR:HB3	1:411:A:HIS:HA	20	0.22
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	9	0.22
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	9	0.22
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	10	0.22
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	10	0.22
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	5	0.22
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	4	0.22
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	4	0.22
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	4	0.22
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	8	0.22
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	10	0.22
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	11	0.22
(1,542)	1:455:A:ASN:HB2	1:456:A:PRO:HD3	17	0.22
(1,540)	1:422:A:LEU:HB2	1:434:A:ALA:HA	1	0.22
(1,535)	1:455:A:ASN:HB3	1:456:A:PRO:HD3	12	0.22
(1,524)	1:406:A:ASN:H	1:456:A:PRO:HA	2	0.22
(1,524)	1:406:A:ASN:H	1:456:A:PRO:HA	3	0.22
(1,524)	1:406:A:ASN:H	1:456:A:PRO:HA	15	0.22
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	18	0.22
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	20	0.22
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG21	8	0.22
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG22	8	0.22
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG23	8	0.22
(1,498)	1:438:A:ILE:HG21	1:440:A:LYS:HE2	7	0.22
(1,498)	1:438:A:ILE:HG21	1:440:A:LYS:HE3	7	0.22
(1,498)	1:438:A:ILE:HG22	1:440:A:LYS:HE2	7	0.22
(1,498)	1:438:A:ILE:HG22	1:440:A:LYS:HE3	7	0.22
(1,498)	1:438:A:ILE:HG23	1:440:A:LYS:HE2	7	0.22
(1,498)	1:438:A:ILE:HG23	1:440:A:LYS:HE3	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE2	14	0.22
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE3	14	0.22
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	6	0.22
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	6	0.22
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	6	0.22
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	5	0.22
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	5	0.22
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	5	0.22
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	14	0.22
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	14	0.22
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	18	0.22
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	18	0.22
(1,467)	1:412:A:LEU:HB3	1:449:A:GLY:HA3	19	0.22
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG21	16	0.22
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG22	16	0.22
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG23	16	0.22
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	6	0.22
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	6	0.22
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	18	0.22
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	6	0.22
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	14	0.22
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	20	0.22
(1,439)	1:408:A:PHE:HE1	1:433:A:SER:HB3	16	0.22
(1,439)	1:408:A:PHE:HE2	1:433:A:SER:HB3	16	0.22
(1,436)	1:399:A:LYS:HD2	1:433:A:SER:HB3	9	0.22
(1,436)	1:399:A:LYS:HD3	1:433:A:SER:HB3	9	0.22
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	2	0.22
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	2	0.22
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	2	0.22
(1,425)	1:433:A:SER:HB2	1:434:A:ALA:HA	18	0.22
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	18	0.22
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	18	0.22
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB2	13	0.22
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB3	13	0.22
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB2	13	0.22
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB3	13	0.22
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB2	13	0.22
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB3	13	0.22
(1,406)	1:482:A:ARG:HA	1:482:A:ARG:HD2	5	0.22
(1,406)	1:482:A:ARG:HA	1:482:A:ARG:HD3	5	0.22
(1,406)	1:482:A:ARG:HA	1:482:A:ARG:HD2	13	0.22
(1,406)	1:482:A:ARG:HA	1:482:A:ARG:HD3	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,404)	1:468:A:GLY:HA3	1:475:A:ARG:HD3	9	0.22
(1,378)	1:470:A:GLN:HE21	1:475:A:ARG:HD2	10	0.22
(1,378)	1:470:A:GLN:HE21	1:475:A:ARG:HD2	15	0.22
(1,369)	1:401:A:GLY:H	1:452:A:SER:HB2	1	0.22
(1,369)	1:401:A:GLY:H	1:452:A:SER:HB2	17	0.22
(1,367)	1:433:A:SER:H	1:452:A:SER:HB2	5	0.22
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	10	0.22
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	10	0.22
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	10	0.22
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	10	0.22
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	10	0.22
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	10	0.22
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	10	0.22
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	10	0.22
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	10	0.22
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	10	0.22
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	10	0.22
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	10	0.22
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	10	0.22
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	10	0.22
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	10	0.22
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	10	0.22
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	10	0.22
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	10	0.22
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	17	0.22
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	17	0.22
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	17	0.22
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	17	0.22
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	17	0.22
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	17	0.22
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	17	0.22
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	17	0.22
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	17	0.22
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	17	0.22
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	17	0.22
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	17	0.22
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	17	0.22
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	17	0.22
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	17	0.22
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	17	0.22
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	17	0.22
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	16	0.22
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	16	0.22
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	16	0.22
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	6	0.22
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	6	0.22
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	6	0.22
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	6	0.22
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	6	0.22
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	6	0.22
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	6	0.22
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	6	0.22
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	6	0.22
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	20	0.22
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	20	0.22
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	20	0.22
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	12	0.22
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	12	0.22
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	12	0.22
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	18	0.22
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	18	0.22
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	18	0.22
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	19	0.22
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	19	0.22
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	19	0.22
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	7	0.22
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	11	0.22
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	19	0.22
(1,293)	1:436:A:VAL:HG11	1:449:A:GLY:HA2	4	0.22
(1,293)	1:436:A:VAL:HG12	1:449:A:GLY:HA2	4	0.22
(1,293)	1:436:A:VAL:HG13	1:449:A:GLY:HA2	4	0.22
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	7	0.22
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	7	0.22
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	7	0.22
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	17	0.22
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	17	0.22
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	17	0.22
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG11	10	0.22
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG12	10	0.22
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG13	10	0.22
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG11	10	0.22
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG12	10	0.22
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG13	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG11	10	0.22
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG12	10	0.22
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG13	10	0.22
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG11	12	0.22
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG12	12	0.22
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG13	12	0.22
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG11	12	0.22
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG12	12	0.22
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG13	12	0.22
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG11	12	0.22
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG12	12	0.22
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG13	12	0.22
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	14	0.22
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	14	0.22
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	14	0.22
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	14	0.22
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	14	0.22
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	14	0.22
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	9	0.22
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	9	0.22
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	9	0.22
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	17	0.22
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	17	0.22
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	17	0.22
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	6	0.22
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	6	0.22
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	6	0.22
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	20	0.22
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	20	0.22
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	20	0.22
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	13	0.22
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	3	0.22
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	3	0.22
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	3	0.22
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	8	0.22
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	8	0.22
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	8	0.22
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	14	0.22
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	14	0.22
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	14	0.22
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	15	0.22
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	15	0.22
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	15	0.22
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	15	0.22
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	15	0.22
(1,200)	1:404:A:GLY:HA2	1:456:A:PRO:HB3	5	0.22
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	17	0.22
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	17	0.22
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	17	0.22
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	12	0.22
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	12	0.22
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	12	0.22
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	14	0.22
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	14	0.22
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	14	0.22
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	14	0.22
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	14	0.22
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	14	0.22
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	6	0.22
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	6	0.22
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	6	0.22
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	6	0.22
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	6	0.22
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	6	0.22
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	6	0.22
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	6	0.22
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	6	0.22
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	6	0.22
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	6	0.22
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	6	0.22
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	15	0.22
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	15	0.22
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	15	0.22
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	15	0.22
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	15	0.22
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	15	0.22
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	15	0.22
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	15	0.22
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	15	0.22
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	15	0.22
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	15	0.22
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	15	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	6	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	6	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	6	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	6	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	6	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	15	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	15	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	15	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	15	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	15	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	15	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	16	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	16	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	16	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	16	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	16	0.22
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	16	0.22
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	13	0.22
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	13	0.22
(1,123)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	13	0.22
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	13	0.22
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	13	0.22
(1,123)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	13	0.22
(1,116)	1:422:A:LEU:HD11	1:451:A:VAL:HG11	8	0.22
(1,116)	1:422:A:LEU:HD11	1:451:A:VAL:HG12	8	0.22
(1,116)	1:422:A:LEU:HD11	1:451:A:VAL:HG13	8	0.22
(1,116)	1:422:A:LEU:HD12	1:451:A:VAL:HG11	8	0.22
(1,116)	1:422:A:LEU:HD12	1:451:A:VAL:HG12	8	0.22
(1,116)	1:422:A:LEU:HD12	1:451:A:VAL:HG13	8	0.22
(1,116)	1:422:A:LEU:HD13	1:451:A:VAL:HG11	8	0.22
(1,116)	1:422:A:LEU:HD13	1:451:A:VAL:HG12	8	0.22
(1,116)	1:422:A:LEU:HD13	1:451:A:VAL:HG13	8	0.22
(1,116)	1:422:A:LEU:HD21	1:451:A:VAL:HG11	8	0.22
(1,116)	1:422:A:LEU:HD21	1:451:A:VAL:HG12	8	0.22
(1,116)	1:422:A:LEU:HD21	1:451:A:VAL:HG13	8	0.22
(1,116)	1:422:A:LEU:HD22	1:451:A:VAL:HG11	8	0.22
(1,116)	1:422:A:LEU:HD22	1:451:A:VAL:HG12	8	0.22
(1,116)	1:422:A:LEU:HD22	1:451:A:VAL:HG13	8	0.22
(1,116)	1:422:A:LEU:HD23	1:451:A:VAL:HG11	8	0.22
(1,116)	1:422:A:LEU:HD23	1:451:A:VAL:HG12	8	0.22
(1,116)	1:422:A:LEU:HD23	1:451:A:VAL:HG13	8	0.22
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	15	0.22
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	15	0.22
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	3	0.22
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	3	0.22
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	3	0.22
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	3	0.22
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	3	0.22
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	3	0.22
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	3	0.22
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	3	0.22
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	3	0.22
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	3	0.22
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	3	0.22
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	3	0.22
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	3	0.22
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	3	0.22
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	3	0.22
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	3	0.22
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	3	0.22
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	3	0.22
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	3	0.22
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	3	0.22
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	3	0.22
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	3	0.22
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	3	0.22
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	3	0.22
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	3	0.22
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	3	0.22
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	3	0.22
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	3	0.22
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	3	0.22
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	3	0.22
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	3	0.22
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	3	0.22
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	3	0.22
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	3	0.22
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	3	0.22
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	3	0.22
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	19	0.22
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	19	0.22
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	19	0.22
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	19	0.22
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	19	0.22
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	19	0.22
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	19	0.22
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	19	0.22
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	19	0.22
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	19	0.22
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	19	0.22
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	19	0.22
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	19	0.22
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	19	0.22
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	19	0.22
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	19	0.22
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	19	0.22
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	19	0.22
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	19	0.22
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	19	0.22
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	19	0.22
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	19	0.22
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	19	0.22
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	19	0.22
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	19	0.22
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	19	0.22
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	19	0.22
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	19	0.22
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	19	0.22
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	19	0.22
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	19	0.22
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	19	0.22
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	19	0.22
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	19	0.22
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	19	0.22
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	19	0.22
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	19	0.22
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	19	0.22
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	19	0.22
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	19	0.22
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	19	0.22
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	11	0.22
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	11	0.22
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	11	0.22
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	11	0.22
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	11	0.22
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	10	0.22
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	10	0.22
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	10	0.22
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	10	0.22
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	10	0.22
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	10	0.22
(1,85)	1:480:A:LEU:HD11	1:481:A:LYS:H	13	0.22
(1,85)	1:480:A:LEU:HD12	1:481:A:LYS:H	13	0.22
(1,85)	1:480:A:LEU:HD13	1:481:A:LYS:H	13	0.22
(1,85)	1:480:A:LEU:HD21	1:481:A:LYS:H	13	0.22
(1,85)	1:480:A:LEU:HD22	1:481:A:LYS:H	13	0.22
(1,85)	1:480:A:LEU:HD23	1:481:A:LYS:H	13	0.22
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD11	19	0.22
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD12	19	0.22
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD13	19	0.22
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD21	19	0.22
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD22	19	0.22
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD23	19	0.22
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG2	10	0.22
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG3	10	0.22
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG2	20	0.22
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG3	20	0.22
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	16	0.22
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	16	0.22
(1,54)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	16	0.22
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	16	0.22
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	16	0.22
(1,54)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	16	0.22
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	16	0.22
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	16	0.22
(1,54)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	16	0.22
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	16	0.22
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	16	0.22
(1,54)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	16	0.22
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	16	0.22
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	16	0.22
(1,54)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	16	0.22
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	16	0.22
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	16	0.22
(1,54)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:407:A:LEU:HD11	1:463:A:ILE:HA	10	0.22
(1,43)	1:407:A:LEU:HD12	1:463:A:ILE:HA	10	0.22
(1,43)	1:407:A:LEU:HD13	1:463:A:ILE:HA	10	0.22
(1,43)	1:407:A:LEU:HD21	1:463:A:ILE:HA	10	0.22
(1,43)	1:407:A:LEU:HD22	1:463:A:ILE:HA	10	0.22
(1,43)	1:407:A:LEU:HD23	1:463:A:ILE:HA	10	0.22
(1,38)	1:409:A:ILE:HG13	1:476:A:LEU:HG	4	0.22
(1,38)	1:409:A:ILE:HG13	1:476:A:LEU:HG	18	0.22
(1,36)	1:425:A:PHE:HE1	1:476:A:LEU:HG	18	0.22
(1,36)	1:425:A:PHE:HE2	1:476:A:LEU:HG	18	0.22
(1,22)	1:400:A:GLU:HB2	1:402:A:PRO:HD2	17	0.22
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB1	14	0.22
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB2	14	0.22
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB3	14	0.22
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	3	0.22
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	3	0.22
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	3	0.22
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	5	0.22
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	6	0.22
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG2	16	0.21
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG3	16	0.21
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG2	16	0.21
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG3	16	0.21
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	10	0.21
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	10	0.21
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	10	0.21
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	10	0.21
(1,2415)	1:416:A:PHE:HD1	1:421:A:ILE:HG12	20	0.21
(1,2415)	1:416:A:PHE:HD2	1:421:A:ILE:HG12	20	0.21
(1,2409)	1:408:A:PHE:HE1	1:452:A:SER:H	4	0.21
(1,2409)	1:408:A:PHE:HE2	1:452:A:SER:H	4	0.21
(1,2409)	1:408:A:PHE:HE1	1:452:A:SER:H	8	0.21
(1,2409)	1:408:A:PHE:HE2	1:452:A:SER:H	8	0.21
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD1	17	0.21
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD2	17	0.21
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD1	17	0.21
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD2	17	0.21
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	6	0.21
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	6	0.21
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	7	0.21
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	7	0.21
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	11	0.21
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	5	0.21
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	5	0.21
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	5	0.21
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	5	0.21
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	5	0.21
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	5	0.21
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	5	0.21
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	5	0.21
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	5	0.21
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	5	0.21
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	5	0.21
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	5	0.21
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	6	0.21
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	6	0.21
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	6	0.21
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	6	0.21
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	6	0.21
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	6	0.21
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	6	0.21
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	6	0.21
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	6	0.21
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	6	0.21
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	6	0.21
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	6	0.21
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	17	0.21
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	17	0.21
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	17	0.21
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	17	0.21
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	17	0.21
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	17	0.21
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	17	0.21
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	17	0.21
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	17	0.21
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	17	0.21
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	17	0.21
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	17	0.21
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	15	0.21
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	15	0.21
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	15	0.21
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	15	0.21
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	15	0.21
(1,2379)	1:436:A:VAL:HA	1:450:A:PHE:HD1	3	0.21
(1,2379)	1:436:A:VAL:HA	1:450:A:PHE:HD2	3	0.21
(1,2379)	1:436:A:VAL:HA	1:450:A:PHE:HD1	18	0.21
(1,2379)	1:436:A:VAL:HA	1:450:A:PHE:HD2	18	0.21
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD1	2	0.21
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD2	2	0.21
(1,2375)	1:437:A:PHE:HD1	1:438:A:ILE:H	13	0.21
(1,2375)	1:437:A:PHE:HD2	1:438:A:ILE:H	13	0.21
(1,2375)	1:437:A:PHE:HD1	1:438:A:ILE:H	17	0.21
(1,2375)	1:437:A:PHE:HD2	1:438:A:ILE:H	17	0.21
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	12	0.21
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	12	0.21
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	12	0.21
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	12	0.21
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	12	0.21
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	12	0.21
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD1	2	0.21
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD2	2	0.21
(1,2358)	1:453:A:TYR:HD1	1:458:A:SER:HB3	3	0.21
(1,2358)	1:453:A:TYR:HD2	1:458:A:SER:HB3	3	0.21
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	9	0.21
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	9	0.21
(1,2340)	1:448:A:PHE:HD1	1:449:A:GLY:H	7	0.21
(1,2340)	1:448:A:PHE:HD2	1:449:A:GLY:H	7	0.21
(1,2319)	1:448:A:PHE:HB2	1:449:A:GLY:H	8	0.21
(1,2319)	1:448:A:PHE:HB3	1:449:A:GLY:H	8	0.21
(1,2297)	1:428:A:PHE:HE1	1:466:A:MET:H	6	0.21
(1,2297)	1:428:A:PHE:HE2	1:466:A:MET:H	6	0.21
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	10	0.21
(1,2286)	1:456:A:PRO:HB2	1:460:A:GLN:HE22	20	0.21
(1,2285)	1:463:A:ILE:HG21	1:464:A:GLN:HE21	8	0.21
(1,2285)	1:463:A:ILE:HG22	1:464:A:GLN:HE21	8	0.21
(1,2285)	1:463:A:ILE:HG23	1:464:A:GLN:HE21	8	0.21
(1,2285)	1:463:A:ILE:HG21	1:464:A:GLN:HE21	15	0.21
(1,2285)	1:463:A:ILE:HG22	1:464:A:GLN:HE21	15	0.21
(1,2285)	1:463:A:ILE:HG23	1:464:A:GLN:HE21	15	0.21
(1,2284)	1:422:A:LEU:HB2	1:423:A:GLN:HE21	11	0.21
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	8	0.21
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	12	0.21
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	15	0.21
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	2	0.21
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	6	0.21
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	6	0.21
(1,2242)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	2	0.21
(1,2242)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	5	0.21
(1,2241)	1:445:A:SER:HB2	1:479:A:GLN:HE22	18	0.21
(1,2240)	1:445:A:SER:HB3	1:479:A:GLN:HE22	18	0.21
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	18	0.21
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	18	0.21
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	18	0.21
(1,2233)	1:484:A:LYS:HG2	1:485:A:ASN:HD22	2	0.21
(1,2233)	1:484:A:LYS:HG3	1:485:A:ASN:HD22	2	0.21
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	17	0.21
(1,2216)	1:430:A:ASN:HD21	1:454:A:ASP:HB3	19	0.21
(1,2200)	1:431:A:VAL:HA	1:433:A:SER:H	11	0.21
(1,2164)	1:455:A:ASN:HD22	1:457:A:VAL:HB	4	0.21
(1,2164)	1:455:A:ASN:HD22	1:457:A:VAL:HB	16	0.21
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	9	0.21
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	7	0.21
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	18	0.21
(1,2093)	1:464:A:GLN:H	1:465:A:ALA:H	3	0.21
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	10	0.21
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	13	0.21
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	20	0.21
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	5	0.21
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	7	0.21
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	1	0.21
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	13	0.21
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	17	0.21
(1,2061)	1:429:A:GLY:HA2	1:430:A:ASN:H	7	0.21
(1,2054)	1:400:A:GLU:HB3	1:406:A:ASN:HD21	3	0.21
(1,2054)	1:400:A:GLU:HB3	1:406:A:ASN:HD21	13	0.21
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	5	0.21
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	5	0.21
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	14	0.21
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	15	0.21
(1,2025)	1:468:A:GLY:H	1:478:A:VAL:H	14	0.21
(1,2017)	1:461:A:ALA:HA	1:463:A:ILE:H	9	0.21
(1,2014)	1:407:A:LEU:HB2	1:408:A:PHE:H	14	0.21
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	4	0.21
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	6	0.21
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	8	0.21
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	19	0.21
(1,1995)	1:402:A:PRO:HB2	1:403:A:GLU:H	1	0.21
(1,1995)	1:402:A:PRO:HB3	1:403:A:GLU:H	1	0.21
(1,1966)	1:403:A:GLU:HA	1:405:A:ALA:H	17	0.21
(1,1960)	1:436:A:VAL:HA	1:450:A:PHE:H	3	0.21
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	1	0.21
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	9	0.21
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	17	0.21
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	1	0.21
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	1	0.21
(1,1930)	1:435:A:LYS:H	1:450:A:PHE:HB3	13	0.21
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	5	0.21
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	2	0.21
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	2	0.21
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	2	0.21
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	6	0.21
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	6	0.21
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	6	0.21
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	15	0.21
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	15	0.21
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	15	0.21
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	19	0.21
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	19	0.21
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	19	0.21
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	1	0.21
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	14	0.21
(1,1906)	1:435:A:LYS:HE2	1:438:A:ILE:H	8	0.21
(1,1906)	1:435:A:LYS:HE3	1:438:A:ILE:H	8	0.21
(1,1891)	1:428:A:PHE:HB3	1:462:A:ALA:H	1	0.21
(1,1886)	1:428:A:PHE:HD1	1:462:A:ALA:H	7	0.21
(1,1886)	1:428:A:PHE:HD2	1:462:A:ALA:H	7	0.21
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	3	0.21
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	11	0.21
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	13	0.21
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	1	0.21
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	7	0.21
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	7	0.21
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	7	0.21
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	8	0.21
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	8	0.21
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	15	0.21
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	18	0.21
(1,1844)	1:480:A:LEU:H	1:480:A:LEU:HG	16	0.21
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	14	0.21
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	3	0.21
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	3	0.21
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	3	0.21
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	10	0.21
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	10	0.21
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	10	0.21
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	13	0.21
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	13	0.21
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	13	0.21
(1,1801)	1:410:A:TYR:HB2	1:477:A:LYS:H	2	0.21
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	6	0.21
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	13	0.21
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	15	0.21
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	20	0.21
(1,1778)	1:434:A:ALA:H	1:435:A:LYS:HG2	12	0.21
(1,1768)	1:414:A:GLN:H	1:474:A:LYS:HD2	7	0.21
(1,1768)	1:414:A:GLN:H	1:474:A:LYS:HD3	7	0.21
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	8	0.21
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	8	0.21
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	2	0.21
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	12	0.21
(1,1733)	1:424:A:MET:HA	1:426:A:MET:H	12	0.21
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	10	0.21
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	14	0.21
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	3	0.21
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	3	0.21
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	3	0.21
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	8	0.21
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	8	0.21
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	8	0.21
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	19	0.21
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	19	0.21
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	19	0.21
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	5	0.21
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	5	0.21
(1,1708)	1:413:A:PRO:HD2	1:469:A:PHE:HB2	4	0.21
(1,1708)	1:413:A:PRO:HD3	1:469:A:PHE:HB2	4	0.21
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	1	0.21
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	2	0.21
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	2	0.21
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	2	0.21
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	2	0.21
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB2	6	0.21
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB3	6	0.21
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	15	0.21
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	3	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	8	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	8	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	8	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	8	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	8	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	8	0.21
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	8	0.21
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	8	0.21
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	8	0.21
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	8	0.21
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	8	0.21
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	8	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	13	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	13	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	13	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	13	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	13	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	13	0.21
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	13	0.21
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	13	0.21
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	13	0.21
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	13	0.21
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	13	0.21
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	13	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	15	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	15	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	15	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	15	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	15	0.21
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	15	0.21
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	15	0.21
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	15	0.21
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	15	0.21
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	15	0.21
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	15	0.21
(1,1672)	1:405:A:ALA:HB1	1:456:A:PRO:HG2	6	0.21
(1,1672)	1:405:A:ALA:HB1	1:456:A:PRO:HG3	6	0.21
(1,1672)	1:405:A:ALA:HB2	1:456:A:PRO:HG2	6	0.21
(1,1672)	1:405:A:ALA:HB2	1:456:A:PRO:HG3	6	0.21
(1,1672)	1:405:A:ALA:HB3	1:456:A:PRO:HG2	6	0.21
(1,1672)	1:405:A:ALA:HB3	1:456:A:PRO:HG3	6	0.21
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	12	0.21
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	12	0.21
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	3	0.21
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG2	8	0.21
(1,1640)	1:470:A:GLN:HG2	1:475:A:ARG:HG3	8	0.21
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG2	8	0.21
(1,1640)	1:470:A:GLN:HG3	1:475:A:ARG:HG3	8	0.21
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	3	0.21
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	3	0.21
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	19	0.21
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	20	0.21
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	7	0.21
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	7	0.21
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	6	0.21
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	6	0.21
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	10	0.21
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	10	0.21
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	14	0.21
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	14	0.21
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	7	0.21
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	7	0.21
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	7	0.21
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	16	0.21
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	16	0.21
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	16	0.21
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	3	0.21
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	9	0.21
(1,1579)	1:470:A:GLN:HB3	1:475:A:ARG:HD2	2	0.21
(1,1579)	1:470:A:GLN:HB3	1:475:A:ARG:HD2	8	0.21
(1,1579)	1:470:A:GLN:HB3	1:475:A:ARG:HD2	20	0.21
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	11	0.21
(1,1572)	1:409:A:ILE:HG12	1:449:A:GLY:H	9	0.21
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	10	0.21
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	2	0.21
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	9	0.21
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	9	0.21
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	9	0.21
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB1	15	0.21
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB2	15	0.21
(1,1548)	1:421:A:ILE:HG13	1:434:A:ALA:HB3	15	0.21
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	19	0.21
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	19	0.21
(1,1542)	1:416:A:PHE:HE1	1:421:A:ILE:HG12	2	0.21
(1,1542)	1:416:A:PHE:HE2	1:421:A:ILE:HG12	2	0.21
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD2	6	0.21
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD3	6	0.21
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD2	6	0.21
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD3	6	0.21
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD2	6	0.21
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD3	6	0.21
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	20	0.21
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	20	0.21
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	20	0.21
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	20	0.21
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	18	0.21
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	18	0.21
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG21	3	0.21
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG22	3	0.21
(1,1511)	1:441:A:GLN:HB2	1:442:A:THR:HG23	3	0.21
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	16	0.21
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	16	0.21
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	5	0.21
(1,1497)	1:406:A:ASN:HA	1:452:A:SER:HB3	4	0.21
(1,1489)	1:481:A:LYS:HA	1:481:A:LYS:HD3	7	0.21
(1,1489)	1:481:A:LYS:HA	1:481:A:LYS:HD3	10	0.21
(1,1489)	1:481:A:LYS:HA	1:481:A:LYS:HD3	12	0.21
(1,1489)	1:481:A:LYS:HA	1:481:A:LYS:HD3	13	0.21
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	11	0.21
(1,1462)	1:432:A:ILE:H	1:454:A:ASP:HA	11	0.21
(1,1462)	1:432:A:ILE:H	1:454:A:ASP:HA	13	0.21
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	9	0.21
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	9	0.21
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	9	0.21
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	11	0.21
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	11	0.21
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	10	0.21
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	16	0.21
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	16	0.21
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	16	0.21
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	16	0.21
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE1	9	0.21
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE2	9	0.21
(1,1443)	1:439:A:ASP:HA	1:442:A:THR:H	7	0.21
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD11	17	0.21
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD12	17	0.21
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD13	17	0.21
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD21	17	0.21
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD22	17	0.21
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD23	17	0.21
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD11	19	0.21
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD12	19	0.21
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD13	19	0.21
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD21	19	0.21
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD22	19	0.21
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD23	19	0.21
(1,1430)	1:418:A:ASP:HB3	1:435:A:LYS:HA	3	0.21
(1,1428)	1:488:A:LYS:HA	1:489:A:PRO:HB2	3	0.21
(1,1428)	1:488:A:LYS:HA	1:489:A:PRO:HB3	3	0.21
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	15	0.21
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	15	0.21
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	2	0.21
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	18	0.21
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	4	0.21
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	14	0.21
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	13	0.21
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	15	0.21
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	11	0.21
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	11	0.21
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	4	0.21
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	4	0.21
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE1	1	0.21
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE2	1	0.21
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE1	1	0.21
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE2	1	0.21
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE1	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE2	11	0.21
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE1	11	0.21
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE2	11	0.21
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE1	14	0.21
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE2	14	0.21
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE1	14	0.21
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE2	14	0.21
(1,1396)	1:453:A:TYR:HD1	1:459:A:ALA:HA	19	0.21
(1,1396)	1:453:A:TYR:HD2	1:459:A:ALA:HA	19	0.21
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	3	0.21
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	3	0.21
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	3	0.21
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	3	0.21
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	3	0.21
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	3	0.21
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	3	0.21
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	3	0.21
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	3	0.21
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	3	0.21
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	3	0.21
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	3	0.21
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	8	0.21
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	8	0.21
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	8	0.21
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	8	0.21
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	8	0.21
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	8	0.21
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	8	0.21
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	8	0.21
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	8	0.21
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	8	0.21
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	8	0.21
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	8	0.21
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	14	0.21
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	14	0.21
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	14	0.21
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	14	0.21
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	14	0.21
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	14	0.21
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	14	0.21
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	14	0.21
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	14	0.21
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	14	0.21
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	14	0.21
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD1	15	0.21
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD2	15	0.21
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD1	15	0.21
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD2	15	0.21
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD1	19	0.21
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD2	19	0.21
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD1	19	0.21
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD2	19	0.21
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG2	8	0.21
(1,1365)	1:465:A:ALA:HB1	1:466:A:MET:HG3	8	0.21
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG2	8	0.21
(1,1365)	1:465:A:ALA:HB2	1:466:A:MET:HG3	8	0.21
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG2	8	0.21
(1,1365)	1:465:A:ALA:HB3	1:466:A:MET:HG3	8	0.21
(1,1361)	1:424:A:MET:HG2	1:425:A:PHE:H	8	0.21
(1,1361)	1:424:A:MET:HG3	1:425:A:PHE:H	8	0.21
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	2	0.21
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	2	0.21
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	2	0.21
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	2	0.21
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	4	0.21
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	4	0.21
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	4	0.21
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	4	0.21
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	19	0.21
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	19	0.21
(1,1331)	1:466:A:MET:HB2	1:468:A:GLY:H	19	0.21
(1,1331)	1:466:A:MET:HB3	1:468:A:GLY:H	19	0.21
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	4	0.21
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	10	0.21
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	16	0.21
(1,1328)	1:412:A:LEU:HD11	1:448:A:PHE:HA	5	0.21
(1,1328)	1:412:A:LEU:HD12	1:448:A:PHE:HA	5	0.21
(1,1328)	1:412:A:LEU:HD13	1:448:A:PHE:HA	5	0.21
(1,1328)	1:412:A:LEU:HD21	1:448:A:PHE:HA	5	0.21
(1,1328)	1:412:A:LEU:HD22	1:448:A:PHE:HA	5	0.21
(1,1328)	1:412:A:LEU:HD23	1:448:A:PHE:HA	5	0.21
(1,1323)	1:422:A:LEU:HD11	1:431:A:VAL:HB	9	0.21
(1,1323)	1:422:A:LEU:HD12	1:431:A:VAL:HB	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1323)	1:422:A:LEU:HD13	1:431:A:VAL:HB	9	0.21
(1,1323)	1:422:A:LEU:HD21	1:431:A:VAL:HB	9	0.21
(1,1323)	1:422:A:LEU:HD22	1:431:A:VAL:HB	9	0.21
(1,1323)	1:422:A:LEU:HD23	1:431:A:VAL:HB	9	0.21
(1,1315)	1:413:A:PRO:HB2	1:416:A:PHE:HE1	14	0.21
(1,1315)	1:413:A:PRO:HB2	1:416:A:PHE:HE2	14	0.21
(1,1315)	1:413:A:PRO:HB3	1:416:A:PHE:HE1	14	0.21
(1,1315)	1:413:A:PRO:HB3	1:416:A:PHE:HE2	14	0.21
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	8	0.21
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	8	0.21
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	8	0.21
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	8	0.21
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	4	0.21
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	12	0.21
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	2	0.21
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	6	0.21
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	10	0.21
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	7	0.21
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	13	0.21
(1,1264)	1:405:A:ALA:HB1	1:456:A:PRO:HB3	4	0.21
(1,1264)	1:405:A:ALA:HB2	1:456:A:PRO:HB3	4	0.21
(1,1264)	1:405:A:ALA:HB3	1:456:A:PRO:HB3	4	0.21
(1,1251)	1:446:A:LYS:HB2	1:448:A:PHE:HD1	18	0.21
(1,1251)	1:446:A:LYS:HB2	1:448:A:PHE:HD2	18	0.21
(1,1251)	1:446:A:LYS:HB3	1:448:A:PHE:HD1	18	0.21
(1,1251)	1:446:A:LYS:HB3	1:448:A:PHE:HD2	18	0.21
(1,1249)	1:483:A:SER:HA	1:484:A:LYS:HB2	10	0.21
(1,1249)	1:483:A:SER:HA	1:484:A:LYS:HB2	18	0.21
(1,1238)	1:451:A:VAL:HG11	1:452:A:SER:HA	11	0.21
(1,1238)	1:451:A:VAL:HG12	1:452:A:SER:HA	11	0.21
(1,1238)	1:451:A:VAL:HG13	1:452:A:SER:HA	11	0.21
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	16	0.21
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	5	0.21
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	5	0.21
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	5	0.21
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG21	9	0.21
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG22	9	0.21
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG23	9	0.21
(1,1226)	1:399:A:LYS:HA	1:400:A:GLU:HG3	9	0.21
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE2	4	0.21
(1,1220)	1:481:A:LYS:HA	1:481:A:LYS:HE3	4	0.21
(1,1207)	1:470:A:GLN:HG2	1:471:A:ILE:H	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1207)	1:470:A:GLN:HG3	1:471:A:ILE:H	19	0.21
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	8	0.21
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG2	5	0.21
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG3	5	0.21
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG2	5	0.21
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG3	5	0.21
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG2	5	0.21
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG3	5	0.21
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG2	5	0.21
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG3	5	0.21
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG2	5	0.21
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG3	5	0.21
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG2	5	0.21
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG3	5	0.21
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	3	0.21
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	13	0.21
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	18	0.21
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	20	0.21
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	7	0.21
(1,1174)	1:417:A:GLY:HA3	1:436:A:VAL:HB	14	0.21
(1,1155)	1:418:A:ASP:H	1:419:A:GLN:HG2	1	0.21
(1,1155)	1:418:A:ASP:H	1:419:A:GLN:HG3	1	0.21
(1,1143)	1:408:A:PHE:HA	1:450:A:PHE:HA	10	0.21
(1,1143)	1:408:A:PHE:HA	1:450:A:PHE:HA	12	0.21
(1,1135)	1:484:A:LYS:HA	1:484:A:LYS:HE2	10	0.21
(1,1135)	1:484:A:LYS:HA	1:484:A:LYS:HE3	10	0.21
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	3	0.21
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	10	0.21
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	10	0.21
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	12	0.21
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	12	0.21
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	15	0.21
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	15	0.21
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	16	0.21
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	16	0.21
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	11	0.21
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	13	0.21
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	17	0.21
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	20	0.21
(1,1085)	1:440:A:LYS:HG2	1:441:A:GLN:HG3	1	0.21
(1,1085)	1:440:A:LYS:HG3	1:441:A:GLN:HG3	1	0.21
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	13	0.21
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	13	0.21
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	19	0.21
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB2	16	0.21
(1,1075)	1:422:A:LEU:HA	1:424:A:MET:HB3	16	0.21
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	19	0.21
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	19	0.21
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	19	0.21
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB2	4	0.21
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB3	4	0.21
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB2	7	0.21
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB3	7	0.21
(1,1058)	1:486:A:ASP:HB2	1:487:A:SER:HA	16	0.21
(1,1058)	1:486:A:ASP:HB2	1:487:A:SER:HA	19	0.21
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB2	2	0.21
(1,1057)	1:410:A:TYR:HB2	1:477:A:LYS:HB3	2	0.21
(1,1025)	1:419:A:GLN:HA	1:422:A:LEU:HG	11	0.21
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	15	0.21
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	15	0.21
(1,1018)	1:464:A:GLN:HA	1:467:A:ASN:HB3	16	0.21
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	3	0.21
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	12	0.21
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	16	0.21
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	2	0.21
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	2	0.21
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	3	0.21
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	3	0.21
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	14	0.21
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	14	0.21
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	19	0.21
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	19	0.21
(1,998)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	9	0.21
(1,982)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	7	0.21
(1,982)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	7	0.21
(1,982)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	7	0.21
(1,982)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	13	0.21
(1,982)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	13	0.21
(1,982)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	13	0.21
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	9	0.21
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	9	0.21
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	9	0.21
(1,979)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,979)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	16	0.21
(1,979)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	16	0.21
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	12	0.21
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	12	0.21
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	12	0.21
(1,976)	1:432:A:ILE:HD11	1:453:A:TYR:HA	16	0.21
(1,976)	1:432:A:ILE:HD12	1:453:A:TYR:HA	16	0.21
(1,976)	1:432:A:ILE:HD13	1:453:A:TYR:HA	16	0.21
(1,976)	1:432:A:ILE:HD11	1:453:A:TYR:HA	19	0.21
(1,976)	1:432:A:ILE:HD12	1:453:A:TYR:HA	19	0.21
(1,976)	1:432:A:ILE:HD13	1:453:A:TYR:HA	19	0.21
(1,964)	1:422:A:LEU:HA	1:434:A:ALA:HA	9	0.21
(1,964)	1:422:A:LEU:HA	1:434:A:ALA:HA	16	0.21
(1,964)	1:422:A:LEU:HA	1:434:A:ALA:HA	17	0.21
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	1	0.21
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	1	0.21
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	1	0.21
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	1	0.21
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	5	0.21
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	5	0.21
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	5	0.21
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	5	0.21
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	15	0.21
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	15	0.21
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	15	0.21
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	15	0.21
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	16	0.21
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	16	0.21
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	16	0.21
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	16	0.21
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	16	0.21
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	16	0.21
(1,942)	1:450:A:PHE:HA	1:451:A:VAL:HB	19	0.21
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	16	0.21
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	4	0.21
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	4	0.21
(1,931)	1:399:A:LYS:HA	1:400:A:GLU:HG2	13	0.21
(1,926)	1:400:A:GLU:HG2	1:452:A:SER:HB2	16	0.21
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	19	0.21
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	2	0.21
(1,905)	1:416:A:PHE:HD1	1:421:A:ILE:HD11	16	0.21
(1,905)	1:416:A:PHE:HD1	1:421:A:ILE:HD12	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	1:416:A:PHE:HD1	1:421:A:ILE:HD13	16	0.21
(1,905)	1:416:A:PHE:HD2	1:421:A:ILE:HD11	16	0.21
(1,905)	1:416:A:PHE:HD2	1:421:A:ILE:HD12	16	0.21
(1,905)	1:416:A:PHE:HD2	1:421:A:ILE:HD13	16	0.21
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	5	0.21
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	11	0.21
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	14	0.21
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	14	0.21
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	14	0.21
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	16	0.21
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	16	0.21
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	16	0.21
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG11	9	0.21
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG12	9	0.21
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG13	9	0.21
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG11	9	0.21
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG12	9	0.21
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG13	9	0.21
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	5	0.21
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	5	0.21
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	5	0.21
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	16	0.21
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	16	0.21
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	16	0.21
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	10	0.21
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	10	0.21
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	10	0.21
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	10	0.21
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	10	0.21
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	10	0.21
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	18	0.21
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	18	0.21
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	18	0.21
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	18	0.21
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	18	0.21
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	18	0.21
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	3	0.21
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	7	0.21
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	19	0.21
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD11	9	0.21
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD12	9	0.21
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD13	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD21	9	0.21
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD22	9	0.21
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD23	9	0.21
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	12	0.21
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	19	0.21
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	14	0.21
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	14	0.21
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	14	0.21
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	1	0.21
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	1	0.21
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	2	0.21
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	2	0.21
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	18	0.21
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	18	0.21
(1,789)	1:485:A:ASN:HB3	1:486:A:ASP:H	12	0.21
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	19	0.21
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	17	0.21
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	17	0.21
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	17	0.21
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	8	0.21
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	8	0.21
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	8	0.21
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	11	0.21
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	11	0.21
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	11	0.21
(1,767)	1:409:A:ILE:HD11	1:449:A:GLY:H	8	0.21
(1,767)	1:409:A:ILE:HD12	1:449:A:GLY:H	8	0.21
(1,767)	1:409:A:ILE:HD13	1:449:A:GLY:H	8	0.21
(1,767)	1:409:A:ILE:HD11	1:449:A:GLY:H	9	0.21
(1,767)	1:409:A:ILE:HD12	1:449:A:GLY:H	9	0.21
(1,767)	1:409:A:ILE:HD13	1:449:A:GLY:H	9	0.21
(1,763)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	2	0.21
(1,763)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	2	0.21
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	17	0.21
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	17	0.21
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	6	0.21
(1,729)	1:432:A:ILE:HA	1:453:A:TYR:HA	9	0.21
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	11	0.21
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG21	12	0.21
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG22	12	0.21
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG23	12	0.21
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG21	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG22	12	0.21
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG23	12	0.21
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	12	0.21
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	12	0.21
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	12	0.21
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG21	3	0.21
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG22	3	0.21
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG23	3	0.21
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG21	3	0.21
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG22	3	0.21
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG23	3	0.21
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	14	0.21
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	14	0.21
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	14	0.21
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	18	0.21
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	18	0.21
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	18	0.21
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	1	0.21
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	1	0.21
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	1	0.21
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	4	0.21
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	4	0.21
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	4	0.21
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	4	0.21
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	19	0.21
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	5	0.21
(1,668)	1:438:A:ILE:HB	1:440:A:LYS:H	11	0.21
(1,661)	1:417:A:GLY:HA3	1:418:A:ASP:HB3	1	0.21
(1,660)	1:489:A:PRO:HA	1:490:A:TYR:HB2	14	0.21
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	4	0.21
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	4	0.21
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	4	0.21
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	7	0.21
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	7	0.21
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	7	0.21
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	13	0.21
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	13	0.21
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	13	0.21
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	14	0.21
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	14	0.21
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	14	0.21
(1,636)	1:432:A:ILE:HG21	1:453:A:TYR:HA	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:432:A:ILE:HG22	1:453:A:TYR:HA	15	0.21
(1,636)	1:432:A:ILE:HG23	1:453:A:TYR:HA	15	0.21
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	1	0.21
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	1	0.21
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	2	0.21
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	2	0.21
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD1	9	0.21
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD2	9	0.21
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD1	19	0.21
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD2	19	0.21
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	1	0.21
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	1	0.21
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	1	0.21
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	1	0.21
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	1	0.21
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	1	0.21
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	9	0.21
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	9	0.21
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	9	0.21
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	9	0.21
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	9	0.21
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	9	0.21
(1,623)	1:430:A:ASN:HB2	1:454:A:ASP:HB3	13	0.21
(1,623)	1:430:A:ASN:HB3	1:454:A:ASP:HB3	13	0.21
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	14	0.21
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	14	0.21
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	14	0.21
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	5	0.21
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	5	0.21
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	5	0.21
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	5	0.21
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	5	0.21
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	5	0.21
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	11	0.21
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	11	0.21
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	11	0.21
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	11	0.21
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	11	0.21
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	11	0.21
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	12	0.21
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	12	0.21
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	12	0.21
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	12	0.21
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	12	0.21
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	13	0.21
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	13	0.21
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	13	0.21
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	13	0.21
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	13	0.21
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	13	0.21
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	16	0.21
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	16	0.21
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	16	0.21
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	16	0.21
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	16	0.21
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	16	0.21
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	18	0.21
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	18	0.21
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	18	0.21
(1,609)	1:410:A:TYR:HB3	1:411:A:HIS:HA	9	0.21
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	7	0.21
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	7	0.21
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	8	0.21
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	8	0.21
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	13	0.21
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	13	0.21
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	1	0.21
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB2	10	0.21
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB3	10	0.21
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB2	10	0.21
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB3	10	0.21
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB2	10	0.21
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB3	10	0.21
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB2	12	0.21
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB3	12	0.21
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB2	12	0.21
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB3	12	0.21
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB2	12	0.21
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB3	12	0.21
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	9	0.21
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	9	0.21
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	9	0.21
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	9	0.21
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	9	0.21
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	9	0.21
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	9	0.21
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	9	0.21
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG21	4	0.21
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG22	4	0.21
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG23	4	0.21
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG21	11	0.21
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG22	11	0.21
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG23	11	0.21
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG21	15	0.21
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG22	15	0.21
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG23	15	0.21
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	11	0.21
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG21	17	0.21
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG22	17	0.21
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG23	17	0.21
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE1	6	0.21
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE2	6	0.21
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE1	19	0.21
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE2	19	0.21
(1,508)	1:435:A:LYS:HE2	1:450:A:PHE:HB3	19	0.21
(1,508)	1:435:A:LYS:HE3	1:450:A:PHE:HB3	19	0.21
(1,501)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	11	0.21
(1,501)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	11	0.21
(1,498)	1:438:A:ILE:HG21	1:440:A:LYS:HE2	17	0.21
(1,498)	1:438:A:ILE:HG21	1:440:A:LYS:HE3	17	0.21
(1,498)	1:438:A:ILE:HG22	1:440:A:LYS:HE2	17	0.21
(1,498)	1:438:A:ILE:HG22	1:440:A:LYS:HE3	17	0.21
(1,498)	1:438:A:ILE:HG23	1:440:A:LYS:HE2	17	0.21
(1,498)	1:438:A:ILE:HG23	1:440:A:LYS:HE3	17	0.21
(1,498)	1:438:A:ILE:HG21	1:440:A:LYS:HE2	20	0.21
(1,498)	1:438:A:ILE:HG21	1:440:A:LYS:HE3	20	0.21
(1,498)	1:438:A:ILE:HG22	1:440:A:LYS:HE2	20	0.21
(1,498)	1:438:A:ILE:HG22	1:440:A:LYS:HE3	20	0.21
(1,498)	1:438:A:ILE:HG23	1:440:A:LYS:HE2	20	0.21
(1,498)	1:438:A:ILE:HG23	1:440:A:LYS:HE3	20	0.21
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE2	5	0.21
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE3	5	0.21
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	1	0.21
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	1	0.21
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	9	0.21
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	9	0.21
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	9	0.21
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	18	0.21
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	18	0.21
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	18	0.21
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	3	0.21
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	3	0.21
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD2	12	0.21
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD3	12	0.21
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB2	10	0.21
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB3	10	0.21
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB2	10	0.21
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB3	10	0.21
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB2	10	0.21
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB3	10	0.21
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG21	6	0.21
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG22	6	0.21
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG23	6	0.21
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	2	0.21
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	2	0.21
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	15	0.21
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	15	0.21
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	2	0.21
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	11	0.21
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	19	0.21
(1,437)	1:433:A:SER:HB3	1:452:A:SER:H	8	0.21
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	3	0.21
(1,424)	1:408:A:PHE:HE1	1:433:A:SER:HB2	20	0.21
(1,424)	1:408:A:PHE:HE2	1:433:A:SER:HB2	20	0.21
(1,420)	1:479:A:GLN:HA	1:480:A:LEU:HB2	5	0.21
(1,420)	1:479:A:GLN:HA	1:480:A:LEU:HB3	5	0.21
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB2	1	0.21
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB3	1	0.21
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB2	1	0.21
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB3	1	0.21
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB2	1	0.21
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB3	1	0.21
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	14	0.21
(1,407)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	14	0.21
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,378)	1:470:A:GLN:HE21	1:475:A:ARG:HD2	18	0.21
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	15	0.21
(1,375)	1:468:A:GLY:H	1:475:A:ARG:HD3	9	0.21
(1,368)	1:432:A:ILE:HB	1:452:A:SER:HB2	3	0.21
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	13	0.21
(1,355)	1:405:A:ALA:HB1	1:453:A:TYR:HA	15	0.21
(1,355)	1:405:A:ALA:HB2	1:453:A:TYR:HA	15	0.21
(1,355)	1:405:A:ALA:HB3	1:453:A:TYR:HA	15	0.21
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	3	0.21
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	3	0.21
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	3	0.21
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	3	0.21
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	3	0.21
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	3	0.21
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	3	0.21
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	3	0.21
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	3	0.21
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	11	0.21
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	11	0.21
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	11	0.21
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	11	0.21
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	11	0.21
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	11	0.21
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	11	0.21
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	11	0.21
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	11	0.21
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	7	0.21
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	7	0.21
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	7	0.21
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	19	0.21
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	19	0.21
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	19	0.21
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	5	0.21
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	5	0.21
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	5	0.21
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	8	0.21
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	8	0.21
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	8	0.21
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	9	0.21
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	12	0.21
(1,319)	1:433:A:SER:HB2	1:450:A:PHE:HB2	11	0.21
(1,319)	1:433:A:SER:HB2	1:450:A:PHE:HB2	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,319)	1:433:A:SER:HB2	1:450:A:PHE:HB2	17	0.21
(1,319)	1:433:A:SER:HB2	1:450:A:PHE:HB2	19	0.21
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	6	0.21
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	6	0.21
(1,308)	1:449:A:GLY:HA3	1:450:A:PHE:HB3	2	0.21
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	18	0.21
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	13	0.21
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	13	0.21
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	13	0.21
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	9	0.21
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	9	0.21
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	9	0.21
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	1	0.21
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	1	0.21
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	1	0.21
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	1	0.21
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	1	0.21
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	1	0.21
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	11	0.21
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	11	0.21
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	11	0.21
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	9	0.21
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	9	0.21
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	9	0.21
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	16	0.21
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	16	0.21
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	16	0.21
(1,217)	1:429:A:GLY:HA3	1:455:A:ASN:HD21	16	0.21
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG21	1	0.21
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG22	1	0.21
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG23	1	0.21
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG21	1	0.21
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG22	1	0.21
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG23	1	0.21
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG21	18	0.21
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG22	18	0.21
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG23	18	0.21
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG21	18	0.21
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG22	18	0.21
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG23	18	0.21
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	10	0.21
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	10	0.21
(1,210)	1:457:A:VAL:HG11	1:461:A:ALA:HB1	14	0.21
(1,210)	1:457:A:VAL:HG11	1:461:A:ALA:HB2	14	0.21
(1,210)	1:457:A:VAL:HG11	1:461:A:ALA:HB3	14	0.21
(1,210)	1:457:A:VAL:HG12	1:461:A:ALA:HB1	14	0.21
(1,210)	1:457:A:VAL:HG12	1:461:A:ALA:HB2	14	0.21
(1,210)	1:457:A:VAL:HG12	1:461:A:ALA:HB3	14	0.21
(1,210)	1:457:A:VAL:HG13	1:461:A:ALA:HB1	14	0.21
(1,210)	1:457:A:VAL:HG13	1:461:A:ALA:HB2	14	0.21
(1,210)	1:457:A:VAL:HG13	1:461:A:ALA:HB3	14	0.21
(1,210)	1:457:A:VAL:HG21	1:461:A:ALA:HB1	14	0.21
(1,210)	1:457:A:VAL:HG21	1:461:A:ALA:HB2	14	0.21
(1,210)	1:457:A:VAL:HG21	1:461:A:ALA:HB3	14	0.21
(1,210)	1:457:A:VAL:HG22	1:461:A:ALA:HB1	14	0.21
(1,210)	1:457:A:VAL:HG22	1:461:A:ALA:HB2	14	0.21
(1,210)	1:457:A:VAL:HG22	1:461:A:ALA:HB3	14	0.21
(1,210)	1:457:A:VAL:HG23	1:461:A:ALA:HB1	14	0.21
(1,210)	1:457:A:VAL:HG23	1:461:A:ALA:HB2	14	0.21
(1,210)	1:457:A:VAL:HG23	1:461:A:ALA:HB3	14	0.21
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	5	0.21
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	5	0.21
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	5	0.21
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	5	0.21
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	5	0.21
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	5	0.21
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	16	0.21
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	16	0.21
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	16	0.21
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	16	0.21
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	16	0.21
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	16	0.21
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	16	0.21
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	16	0.21
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	16	0.21
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	6	0.21
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	6	0.21
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	6	0.21
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	7	0.21
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	7	0.21
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	7	0.21
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	11	0.21
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	11	0.21
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	14	0.21
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	14	0.21
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	14	0.21
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB2	6	0.21
(1,162)	1:468:A:GLY:HA3	1:475:A:ARG:HB3	6	0.21
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD11	11	0.21
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD12	11	0.21
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD13	11	0.21
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD21	11	0.21
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD22	11	0.21
(1,154)	1:442:A:THR:H	1:444:A:LEU:HD23	11	0.21
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	12	0.21
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	12	0.21
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	12	0.21
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	12	0.21
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	12	0.21
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	12	0.21
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG21	1	0.21
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG22	1	0.21
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG23	1	0.21
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD11	6	0.21
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD12	6	0.21
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD13	6	0.21
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD21	6	0.21
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD22	6	0.21
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD23	6	0.21
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	4	0.21
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	4	0.21
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	4	0.21
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	4	0.21
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	4	0.21
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	4	0.21
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	4	0.21
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	4	0.21
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	4	0.21
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	4	0.21
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	4	0.21
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	4	0.21
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	4	0.21
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	4	0.21
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	4	0.21
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	4	0.21
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	4	0.21
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	11	0.21
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	11	0.21
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	11	0.21
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	11	0.21
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	11	0.21
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	11	0.21
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	11	0.21
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	11	0.21
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	11	0.21
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	11	0.21
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	11	0.21
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	11	0.21
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	8	0.21
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	8	0.21
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	8	0.21
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	8	0.21
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	8	0.21
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	8	0.21
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	8	0.21
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	8	0.21
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	8	0.21
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	8	0.21
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	8	0.21
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	8	0.21
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	8	0.21
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	8	0.21
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	8	0.21
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	8	0.21
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	8	0.21
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	8	0.21
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	8	0.21
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	8	0.21
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	8	0.21
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	8	0.21
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	8	0.21
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	8	0.21
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	8	0.21
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	8	0.21
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	8	0.21
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	8	0.21
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	8	0.21
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	8	0.21
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	8	0.21
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	8	0.21
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	8	0.21
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	8	0.21
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	8	0.21
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD11	4	0.21
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD12	4	0.21
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD13	4	0.21
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD21	4	0.21
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD22	4	0.21
(1,96)	1:476:A:LEU:H	1:476:A:LEU:HD23	4	0.21
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	18	0.21
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	18	0.21
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	15	0.21
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	15	0.21
(1,59)	1:474:A:LYS:H	1:474:A:LYS:HG2	3	0.21
(1,59)	1:474:A:LYS:H	1:474:A:LYS:HG2	4	0.21
(1,59)	1:474:A:LYS:H	1:474:A:LYS:HG2	16	0.21
(1,59)	1:474:A:LYS:H	1:474:A:LYS:HG2	17	0.21
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	17	0.21
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	17	0.21
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	17	0.21
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	17	0.21
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	17	0.21
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	17	0.21
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	17	0.21
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	17	0.21
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	17	0.21
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	17	0.21
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	17	0.21
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	17	0.21
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	17	0.21
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	17	0.21
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	17	0.21
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	17	0.21
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	17	0.21
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	17	0.21
(1,37)	1:469:A:PHE:HB3	1:476:A:LEU:HG	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	15	0.21
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	19	0.21
(1,27)	1:402:A:PRO:HD3	1:455:A:ASN:HA	5	0.21
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	12	0.21
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	12	0.21
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	12	0.21
(1,22)	1:400:A:GLU:HB2	1:402:A:PRO:HD2	15	0.21
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	17	0.21
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	17	0.21
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	17	0.21
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB1	3	0.21
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB2	3	0.21
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB3	3	0.21
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	18	0.21
(1,10)	1:407:A:LEU:H	1:407:A:LEU:HG	16	0.21
(1,8)	1:407:A:LEU:HG	1:478:A:VAL:HG11	1	0.21
(1,8)	1:407:A:LEU:HG	1:478:A:VAL:HG12	1	0.21
(1,8)	1:407:A:LEU:HG	1:478:A:VAL:HG13	1	0.21
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE1	20	0.21
(1,6)	1:407:A:LEU:HG	1:425:A:PHE:HE2	20	0.21
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	12	0.21
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	17	0.21
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG2	12	0.2
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG3	12	0.2
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG2	12	0.2
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG3	12	0.2
(1,2433)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	1	0.2
(1,2433)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	1	0.2
(1,2433)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	1	0.2
(1,2433)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	1	0.2
(1,2433)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	1	0.2
(1,2433)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	1	0.2
(1,2433)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	1	0.2
(1,2433)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	1	0.2
(1,2433)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	1	0.2
(1,2433)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	1	0.2
(1,2433)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	1	0.2
(1,2433)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	1	0.2
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	11	0.2
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	11	0.2
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	11	0.2
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2417)	1:416:A:PHE:HD1	1:417:A:GLY:H	3	0.2
(1,2417)	1:416:A:PHE:HD2	1:417:A:GLY:H	3	0.2
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE1	13	0.2
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE2	13	0.2
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	4	0.2
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	4	0.2
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	4	0.2
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	4	0.2
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	4	0.2
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	4	0.2
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD1	16	0.2
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD2	16	0.2
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD1	16	0.2
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD2	16	0.2
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	10	0.2
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	10	0.2
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	10	0.2
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	10	0.2
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	10	0.2
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	10	0.2
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	5	0.2
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	5	0.2
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD1	7	0.2
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD2	7	0.2
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	1	0.2
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	1	0.2
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	1	0.2
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	1	0.2
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	1	0.2
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	1	0.2
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	6	0.2
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	6	0.2
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	6	0.2
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	6	0.2
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	6	0.2
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	6	0.2
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	7	0.2
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	7	0.2
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	7	0.2
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	7	0.2
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	7	0.2
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD1	5	0.2
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD2	5	0.2
(1,2340)	1:448:A:PHE:HD1	1:449:A:GLY:H	9	0.2
(1,2340)	1:448:A:PHE:HD2	1:449:A:GLY:H	9	0.2
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB2	20	0.2
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB3	20	0.2
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB2	20	0.2
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB3	20	0.2
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	4	0.2
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	9	0.2
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	12	0.2
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	19	0.2
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	2	0.2
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	7	0.2
(1,2301)	1:414:A:GLN:HE22	1:420:A:ASP:HA	9	0.2
(1,2297)	1:428:A:PHE:HE1	1:466:A:MET:H	3	0.2
(1,2297)	1:428:A:PHE:HE2	1:466:A:MET:H	3	0.2
(1,2297)	1:428:A:PHE:HE1	1:466:A:MET:H	14	0.2
(1,2297)	1:428:A:PHE:HE2	1:466:A:MET:H	14	0.2
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	4	0.2
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	11	0.2
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	3	0.2
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	19	0.2
(1,2285)	1:463:A:ILE:HG21	1:464:A:GLN:HE21	11	0.2
(1,2285)	1:463:A:ILE:HG22	1:464:A:GLN:HE21	11	0.2
(1,2285)	1:463:A:ILE:HG23	1:464:A:GLN:HE21	11	0.2
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	13	0.2
(1,2276)	1:464:A:GLN:H	1:464:A:GLN:HE22	1	0.2
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	4	0.2
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	4	0.2
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	4	0.2
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	16	0.2
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	16	0.2
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	16	0.2
(1,2248)	1:444:A:LEU:HB2	1:479:A:GLN:HE21	8	0.2
(1,2244)	1:444:A:LEU:HD11	1:479:A:GLN:HE22	8	0.2
(1,2244)	1:444:A:LEU:HD12	1:479:A:GLN:HE22	8	0.2
(1,2244)	1:444:A:LEU:HD13	1:479:A:GLN:HE22	8	0.2
(1,2244)	1:444:A:LEU:HD21	1:479:A:GLN:HE22	8	0.2
(1,2244)	1:444:A:LEU:HD22	1:479:A:GLN:HE22	8	0.2
(1,2244)	1:444:A:LEU:HD23	1:479:A:GLN:HE22	8	0.2
(1,2242)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2242)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	19	0.2
(1,2241)	1:445:A:SER:HB2	1:479:A:GLN:HE22	12	0.2
(1,2237)	1:404:A:GLY:H	1:406:A:ASN:HD21	19	0.2
(1,2233)	1:484:A:LYS:HG2	1:485:A:ASN:HD22	18	0.2
(1,2233)	1:484:A:LYS:HG3	1:485:A:ASN:HD22	18	0.2
(1,2225)	1:431:A:VAL:HA	1:454:A:ASP:H	5	0.2
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	8	0.2
(1,2212)	1:430:A:ASN:HD22	1:454:A:ASP:HA	12	0.2
(1,2210)	1:430:A:ASN:HD21	1:431:A:VAL:H	15	0.2
(1,2206)	1:430:A:ASN:H	1:430:A:ASN:HD21	4	0.2
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG11	12	0.2
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG12	12	0.2
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG13	12	0.2
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	8	0.2
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	8	0.2
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	6	0.2
(1,2169)	1:455:A:ASN:HD21	1:458:A:SER:H	5	0.2
(1,2164)	1:455:A:ASN:HD22	1:457:A:VAL:HB	6	0.2
(1,2164)	1:455:A:ASN:HD22	1:457:A:VAL:HB	15	0.2
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	18	0.2
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	3	0.2
(1,2155)	1:415:A:GLU:H	1:416:A:PHE:HB2	6	0.2
(1,2153)	1:414:A:GLN:H	1:415:A:GLU:H	4	0.2
(1,2148)	1:404:A:GLY:HA3	1:406:A:ASN:H	7	0.2
(1,2125)	1:420:A:ASP:HA	1:423:A:GLN:H	18	0.2
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB1	12	0.2
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB2	12	0.2
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB3	12	0.2
(1,2112)	1:419:A:GLN:H	1:419:A:GLN:HB3	10	0.2
(1,2105)	1:420:A:ASP:HB3	1:421:A:ILE:H	14	0.2
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	5	0.2
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	6	0.2
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	8	0.2
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	11	0.2
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	1	0.2
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	15	0.2
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	2	0.2
(1,2083)	1:463:A:ILE:HB	1:465:A:ALA:H	9	0.2
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	1	0.2
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	1	0.2
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	5	0.2
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	7	0.2
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	7	0.2
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	19	0.2
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	19	0.2
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	5	0.2
(1,2069)	1:417:A:GLY:H	1:420:A:ASP:H	13	0.2
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	20	0.2
(1,2054)	1:400:A:GLU:HB3	1:406:A:ASN:HD21	10	0.2
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	12	0.2
(1,2040)	1:443:A:ASN:H	1:444:A:LEU:H	6	0.2
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	19	0.2
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	2	0.2
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	9	0.2
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	3	0.2
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	2	0.2
(1,2018)	1:460:A:GLN:HA	1:463:A:ILE:H	16	0.2
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	10	0.2
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	12	0.2
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	5	0.2
(1,1994)	1:403:A:GLU:H	1:406:A:ASN:HD21	12	0.2
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	9	0.2
(1,1979)	1:474:A:LYS:HG2	1:475:A:ARG:H	1	0.2
(1,1979)	1:474:A:LYS:HG2	1:475:A:ARG:H	16	0.2
(1,1975)	1:470:A:GLN:HG2	1:475:A:ARG:H	7	0.2
(1,1975)	1:470:A:GLN:HG3	1:475:A:ARG:H	7	0.2
(1,1974)	1:411:A:HIS:HB3	1:475:A:ARG:H	10	0.2
(1,1974)	1:411:A:HIS:HB3	1:475:A:ARG:H	13	0.2
(1,1965)	1:405:A:ALA:H	1:406:A:ASN:HB3	19	0.2
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	1	0.2
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	2	0.2
(1,1958)	1:449:A:GLY:H	1:450:A:PHE:H	13	0.2
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	14	0.2
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	17	0.2
(1,1936)	1:486:A:ASP:H	1:486:A:ASP:HB2	17	0.2
(1,1928)	1:435:A:LYS:H	1:451:A:VAL:HA	17	0.2
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	6	0.2
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	7	0.2
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	14	0.2
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	15	0.2
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	20	0.2
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	7	0.2
(1,1911)	1:400:A:GLU:H	1:433:A:SER:HB3	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1906)	1:435:A:LYS:HE2	1:438:A:ILE:H	1	0.2
(1,1906)	1:435:A:LYS:HE3	1:438:A:ILE:H	1	0.2
(1,1888)	1:460:A:GLN:HA	1:462:A:ALA:H	3	0.2
(1,1886)	1:428:A:PHE:HD1	1:462:A:ALA:H	11	0.2
(1,1886)	1:428:A:PHE:HD2	1:462:A:ALA:H	11	0.2
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	15	0.2
(1,1874)	1:415:A:GLU:H	1:416:A:PHE:H	6	0.2
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	17	0.2
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	17	0.2
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	4	0.2
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	11	0.2
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	12	0.2
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	1	0.2
(1,1844)	1:480:A:LEU:H	1:480:A:LEU:HG	8	0.2
(1,1835)	1:406:A:ASN:HB2	1:407:A:LEU:H	18	0.2
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	4	0.2
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	4	0.2
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	4	0.2
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	4	0.2
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	4	0.2
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	5	0.2
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	5	0.2
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	5	0.2
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	17	0.2
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	17	0.2
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	17	0.2
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB2	5	0.2
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB3	5	0.2
(1,1806)	1:489:A:PRO:HG2	1:490:A:TYR:H	10	0.2
(1,1805)	1:490:A:TYR:H	1:490:A:TYR:HB2	12	0.2
(1,1794)	1:407:A:LEU:HD11	1:479:A:GLN:H	3	0.2
(1,1794)	1:407:A:LEU:HD12	1:479:A:GLN:H	3	0.2
(1,1794)	1:407:A:LEU:HD13	1:479:A:GLN:H	3	0.2
(1,1794)	1:407:A:LEU:HD21	1:479:A:GLN:H	3	0.2
(1,1794)	1:407:A:LEU:HD22	1:479:A:GLN:H	3	0.2
(1,1794)	1:407:A:LEU:HD23	1:479:A:GLN:H	3	0.2
(1,1794)	1:407:A:LEU:HD11	1:479:A:GLN:H	5	0.2
(1,1794)	1:407:A:LEU:HD12	1:479:A:GLN:H	5	0.2
(1,1794)	1:407:A:LEU:HD13	1:479:A:GLN:H	5	0.2
(1,1794)	1:407:A:LEU:HD21	1:479:A:GLN:H	5	0.2
(1,1794)	1:407:A:LEU:HD22	1:479:A:GLN:H	5	0.2
(1,1794)	1:407:A:LEU:HD23	1:479:A:GLN:H	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:407:A:LEU:HD11	1:479:A:GLN:H	19	0.2
(1,1794)	1:407:A:LEU:HD12	1:479:A:GLN:H	19	0.2
(1,1794)	1:407:A:LEU:HD13	1:479:A:GLN:H	19	0.2
(1,1794)	1:407:A:LEU:HD21	1:479:A:GLN:H	19	0.2
(1,1794)	1:407:A:LEU:HD22	1:479:A:GLN:H	19	0.2
(1,1794)	1:407:A:LEU:HD23	1:479:A:GLN:H	19	0.2
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	2	0.2
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	1	0.2
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	2	0.2
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	17	0.2
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	20	0.2
(1,1782)	1:481:A:LYS:H	1:481:A:LYS:HB3	4	0.2
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	20	0.2
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	6	0.2
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	18	0.2
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	5	0.2
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	5	0.2
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	5	0.2
(1,1707)	1:438:A:ILE:HG12	1:444:A:LEU:HD11	9	0.2
(1,1707)	1:438:A:ILE:HG12	1:444:A:LEU:HD12	9	0.2
(1,1707)	1:438:A:ILE:HG12	1:444:A:LEU:HD13	9	0.2
(1,1707)	1:438:A:ILE:HG12	1:444:A:LEU:HD21	9	0.2
(1,1707)	1:438:A:ILE:HG12	1:444:A:LEU:HD22	9	0.2
(1,1707)	1:438:A:ILE:HG12	1:444:A:LEU:HD23	9	0.2
(1,1707)	1:438:A:ILE:HG13	1:444:A:LEU:HD11	9	0.2
(1,1707)	1:438:A:ILE:HG13	1:444:A:LEU:HD12	9	0.2
(1,1707)	1:438:A:ILE:HG13	1:444:A:LEU:HD13	9	0.2
(1,1707)	1:438:A:ILE:HG13	1:444:A:LEU:HD21	9	0.2
(1,1707)	1:438:A:ILE:HG13	1:444:A:LEU:HD22	9	0.2
(1,1707)	1:438:A:ILE:HG13	1:444:A:LEU:HD23	9	0.2
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	5	0.2
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	5	0.2
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	14	0.2
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	14	0.2
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	16	0.2
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	16	0.2
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	19	0.2
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	19	0.2
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB2	12	0.2
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB3	12	0.2
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB2	13	0.2
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB3	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	8	0.2
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	8	0.2
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	10	0.2
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	10	0.2
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	14	0.2
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	14	0.2
(1,1684)	1:401:A:GLY:H	1:432:A:ILE:HG12	7	0.2
(1,1684)	1:401:A:GLY:H	1:432:A:ILE:HG13	7	0.2
(1,1681)	1:402:A:PRO:HG3	1:404:A:GLY:H	9	0.2
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	8	0.2
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	8	0.2
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	1	0.2
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	1	0.2
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	9	0.2
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	9	0.2
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	17	0.2
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	17	0.2
(1,1657)	1:419:A:GLN:HB2	1:422:A:LEU:HB2	6	0.2
(1,1657)	1:419:A:GLN:HB2	1:422:A:LEU:HB2	16	0.2
(1,1657)	1:419:A:GLN:HB2	1:422:A:LEU:HB2	19	0.2
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	15	0.2
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	12	0.2
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	14	0.2
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	18	0.2
(1,1635)	1:405:A:ALA:HA	1:453:A:TYR:HB3	9	0.2
(1,1630)	1:405:A:ALA:HA	1:452:A:SER:HA	16	0.2
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	12	0.2
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	1	0.2
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	1	0.2
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	1	0.2
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	1	0.2
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	1	0.2
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	1	0.2
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	14	0.2
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	14	0.2
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	14	0.2
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	14	0.2
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	14	0.2
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	14	0.2
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	18	0.2
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	18	0.2
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	18	0.2
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	18	0.2
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	18	0.2
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	13	0.2
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	13	0.2
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	12	0.2
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	12	0.2
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	6	0.2
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	6	0.2
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	12	0.2
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	12	0.2
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	3	0.2
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	3	0.2
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	10	0.2
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	10	0.2
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	15	0.2
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	15	0.2
(1,1563)	1:409:A:ILE:H	1:409:A:ILE:HG13	2	0.2
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	7	0.2
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	11	0.2
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	17	0.2
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	19	0.2
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD1	4	0.2
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD2	4	0.2
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	5	0.2
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	5	0.2
(1,1542)	1:416:A:PHE:HE1	1:421:A:ILE:HG12	6	0.2
(1,1542)	1:416:A:PHE:HE2	1:421:A:ILE:HG12	6	0.2
(1,1542)	1:416:A:PHE:HE1	1:421:A:ILE:HG12	15	0.2
(1,1542)	1:416:A:PHE:HE2	1:421:A:ILE:HG12	15	0.2
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	15	0.2
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	15	0.2
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	17	0.2
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	17	0.2
(1,1521)	1:477:A:LYS:HD2	1:479:A:GLN:HB2	15	0.2
(1,1521)	1:477:A:LYS:HD2	1:479:A:GLN:HB3	15	0.2
(1,1521)	1:477:A:LYS:HD3	1:479:A:GLN:HB2	15	0.2
(1,1521)	1:477:A:LYS:HD3	1:479:A:GLN:HB3	15	0.2
(1,1512)	1:470:A:GLN:HB3	1:475:A:ARG:HD3	19	0.2
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	19	0.2
(1,1504)	1:402:A:PRO:HA	1:403:A:GLU:HB2	5	0.2
(1,1504)	1:402:A:PRO:HA	1:403:A:GLU:HB2	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1504)	1:402:A:PRO:HA	1:403:A:GLU:HB2	11	0.2
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	14	0.2
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	14	0.2
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	14	0.2
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	14	0.2
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	20	0.2
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	20	0.2
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	20	0.2
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	20	0.2
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	8	0.2
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	10	0.2
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	1	0.2
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	16	0.2
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	16	0.2
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	5	0.2
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	5	0.2
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	5	0.2
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	9	0.2
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	9	0.2
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	9	0.2
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	9	0.2
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	19	0.2
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	19	0.2
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	19	0.2
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	19	0.2
(1,1443)	1:439:A:ASP:HA	1:442:A:THR:H	15	0.2
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD11	1	0.2
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD12	1	0.2
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD13	1	0.2
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD21	1	0.2
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD22	1	0.2
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD23	1	0.2
(1,1428)	1:488:A:LYS:HA	1:489:A:PRO:HB2	12	0.2
(1,1428)	1:488:A:LYS:HA	1:489:A:PRO:HB3	12	0.2
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	13	0.2
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	13	0.2
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	14	0.2
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	14	0.2
(1,1426)	1:485:A:ASN:HB2	1:486:A:ASP:HA	8	0.2
(1,1426)	1:485:A:ASN:HB2	1:486:A:ASP:HA	11	0.2
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB2	16	0.2
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB3	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	20	0.2
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	20	0.2
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	13	0.2
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	13	0.2
(1,1396)	1:453:A:TYR:HD1	1:459:A:ALA:HA	6	0.2
(1,1396)	1:453:A:TYR:HD2	1:459:A:ALA:HA	6	0.2
(1,1382)	1:467:A:ASN:HA	1:477:A:LYS:HA	4	0.2
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	15	0.2
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	15	0.2
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	15	0.2
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	15	0.2
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	15	0.2
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	15	0.2
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	15	0.2
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	15	0.2
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	15	0.2
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	15	0.2
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	15	0.2
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	15	0.2
(1,1375)	1:453:A:TYR:HB2	1:459:A:ALA:HA	13	0.2
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	4	0.2
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	4	0.2
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	14	0.2
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	14	0.2
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	16	0.2
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	16	0.2
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	19	0.2
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	19	0.2
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	19	0.2
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	19	0.2
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	19	0.2
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	19	0.2
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	5	0.2
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	5	0.2
(1,1354)	1:400:A:GLU:HB2	1:452:A:SER:HB3	14	0.2
(1,1343)	1:426:A:MET:HG2	1:431:A:VAL:H	5	0.2
(1,1343)	1:426:A:MET:HG3	1:431:A:VAL:H	5	0.2
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG21	5	0.2
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG22	5	0.2
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG23	5	0.2
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG21	5	0.2
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG22	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG23	5	0.2
(1,1331)	1:466:A:MET:HB2	1:468:A:GLY:H	2	0.2
(1,1331)	1:466:A:MET:HB3	1:468:A:GLY:H	2	0.2
(1,1331)	1:466:A:MET:HB2	1:468:A:GLY:H	8	0.2
(1,1331)	1:466:A:MET:HB3	1:468:A:GLY:H	8	0.2
(1,1331)	1:466:A:MET:HB2	1:468:A:GLY:H	9	0.2
(1,1331)	1:466:A:MET:HB3	1:468:A:GLY:H	9	0.2
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	3	0.2
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	12	0.2
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	17	0.2
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	18	0.2
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	19	0.2
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	20	0.2
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	6	0.2
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	6	0.2
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	6	0.2
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	6	0.2
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	17	0.2
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	17	0.2
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	17	0.2
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	17	0.2
(1,1312)	1:472:A:GLY:HA2	1:473:A:MET:HG2	15	0.2
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	15	0.2
(1,1300)	1:411:A:HIS:HA	1:448:A:PHE:HA	17	0.2
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	13	0.2
(1,1281)	1:398:A:GLN:HA	1:433:A:SER:HA	8	0.2
(1,1280)	1:398:A:GLN:HA	1:398:A:GLN:HE21	11	0.2
(1,1276)	1:402:A:PRO:HB2	1:403:A:GLU:HA	15	0.2
(1,1276)	1:402:A:PRO:HB3	1:403:A:GLU:HA	15	0.2
(1,1274)	1:456:A:PRO:HB2	1:457:A:VAL:H	20	0.2
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	15	0.2
(1,1261)	1:400:A:GLU:HA	1:452:A:SER:HB3	7	0.2
(1,1252)	1:431:A:VAL:HA	1:452:A:SER:HA	17	0.2
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB2	9	0.2
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB3	9	0.2
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB2	12	0.2
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB3	12	0.2
(1,1244)	1:411:A:HIS:HB2	1:476:A:LEU:HA	19	0.2
(1,1240)	1:469:A:PHE:HD1	1:470:A:GLN:HA	13	0.2
(1,1240)	1:469:A:PHE:HD2	1:470:A:GLN:HA	13	0.2
(1,1239)	1:407:A:LEU:HB3	1:452:A:SER:HA	12	0.2
(1,1238)	1:451:A:VAL:HG11	1:452:A:SER:HA	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:451:A:VAL:HG12	1:452:A:SER:HA	4	0.2
(1,1238)	1:451:A:VAL:HG13	1:452:A:SER:HA	4	0.2
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	5	0.2
(1,1228)	1:398:A:GLN:HG3	1:399:A:LYS:HA	15	0.2
(1,1226)	1:399:A:LYS:HA	1:400:A:GLU:HG3	6	0.2
(1,1226)	1:399:A:LYS:HA	1:400:A:GLU:HG3	14	0.2
(1,1212)	1:436:A:VAL:HB	1:450:A:PHE:H	1	0.2
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	8	0.2
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	8	0.2
(1,1210)	1:470:A:GLN:HG2	1:475:A:ARG:HD3	17	0.2
(1,1210)	1:470:A:GLN:HG3	1:475:A:ARG:HD3	17	0.2
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD11	6	0.2
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD12	6	0.2
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD13	6	0.2
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD21	6	0.2
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD22	6	0.2
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD23	6	0.2
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD11	6	0.2
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD12	6	0.2
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD13	6	0.2
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD21	6	0.2
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD22	6	0.2
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD23	6	0.2
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG2	8	0.2
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG3	8	0.2
(1,1186)	1:467:A:ASN:HA	1:469:A:PHE:H	2	0.2
(1,1181)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	1	0.2
(1,1181)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	1	0.2
(1,1181)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	14	0.2
(1,1181)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	14	0.2
(1,1178)	1:399:A:LYS:H	1:399:A:LYS:HB2	4	0.2
(1,1178)	1:399:A:LYS:H	1:399:A:LYS:HB3	4	0.2
(1,1174)	1:417:A:GLY:HA3	1:436:A:VAL:HB	3	0.2
(1,1174)	1:417:A:GLY:HA3	1:436:A:VAL:HB	12	0.2
(1,1160)	1:480:A:LEU:HA	1:481:A:LYS:HB2	12	0.2
(1,1160)	1:480:A:LEU:HA	1:481:A:LYS:HB2	15	0.2
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	6	0.2
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	6	0.2
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	18	0.2
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	18	0.2
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	20	0.2
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD2	8	0.2
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD3	8	0.2
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	12	0.2
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	12	0.2
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	17	0.2
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	17	0.2
(1,1136)	1:460:A:GLN:HG2	1:463:A:ILE:H	10	0.2
(1,1136)	1:460:A:GLN:HG3	1:463:A:ILE:H	10	0.2
(1,1126)	1:451:A:VAL:HG11	1:453:A:TYR:HA	17	0.2
(1,1126)	1:451:A:VAL:HG12	1:453:A:TYR:HA	17	0.2
(1,1126)	1:451:A:VAL:HG13	1:453:A:TYR:HA	17	0.2
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	2	0.2
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	5	0.2
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	11	0.2
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	15	0.2
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	16	0.2
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	19	0.2
(1,1112)	1:423:A:GLN:H	1:423:A:GLN:HG3	12	0.2
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	10	0.2
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	18	0.2
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	20	0.2
(1,1103)	1:479:A:GLN:HG2	1:480:A:LEU:H	18	0.2
(1,1103)	1:479:A:GLN:HG3	1:480:A:LEU:H	18	0.2
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	6	0.2
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	6	0.2
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG21	6	0.2
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG22	6	0.2
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG23	6	0.2
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	4	0.2
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	12	0.2
(1,1083)	1:441:A:GLN:HG3	1:443:A:ASN:H	17	0.2
(1,1083)	1:441:A:GLN:HG3	1:443:A:ASN:H	20	0.2
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	19	0.2
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	19	0.2
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	19	0.2
(1,1076)	1:432:A:ILE:HA	1:433:A:SER:HA	10	0.2
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	19	0.2
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	19	0.2
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	19	0.2
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	1	0.2
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	1	0.2
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	13	0.2
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	2	0.2
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	19	0.2
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	19	0.2
(1,1025)	1:419:A:GLN:HA	1:422:A:LEU:HG	4	0.2
(1,1025)	1:419:A:GLN:HA	1:422:A:LEU:HG	8	0.2
(1,1025)	1:419:A:GLN:HA	1:422:A:LEU:HG	16	0.2
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	13	0.2
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	13	0.2
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	13	0.2
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	1	0.2
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	11	0.2
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	12	0.2
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	12	0.2
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	17	0.2
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	17	0.2
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	18	0.2
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	18	0.2
(1,1002)	1:435:A:LYS:HE2	1:437:A:PHE:HA	12	0.2
(1,1002)	1:435:A:LYS:HE3	1:437:A:PHE:HA	12	0.2
(1,999)	1:403:A:GLU:H	1:403:A:GLU:HG2	8	0.2
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	3	0.2
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	6	0.2
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	6	0.2
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	6	0.2
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	18	0.2
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	18	0.2
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	18	0.2
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	8	0.2
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	8	0.2
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	8	0.2
(1,970)	1:414:A:GLN:HA	1:474:A:LYS:HD2	7	0.2
(1,970)	1:414:A:GLN:HA	1:474:A:LYS:HD3	7	0.2
(1,964)	1:422:A:LEU:HA	1:434:A:ALA:HA	6	0.2
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	16	0.2
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	16	0.2
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	16	0.2
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	16	0.2
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	1	0.2
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	1	0.2
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	1	0.2
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	1	0.2
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	1	0.2
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	1	0.2
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	11	0.2
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	7	0.2
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	7	0.2
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	14	0.2
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	14	0.2
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	20	0.2
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	20	0.2
(1,921)	1:400:A:GLU:HG3	1:452:A:SER:HB2	16	0.2
(1,915)	1:421:A:ILE:HD11	1:449:A:GLY:H	10	0.2
(1,915)	1:421:A:ILE:HD12	1:449:A:GLY:H	10	0.2
(1,915)	1:421:A:ILE:HD13	1:449:A:GLY:H	10	0.2
(1,898)	1:421:A:ILE:HD11	1:451:A:VAL:HB	1	0.2
(1,898)	1:421:A:ILE:HD12	1:451:A:VAL:HB	1	0.2
(1,898)	1:421:A:ILE:HD13	1:451:A:VAL:HB	1	0.2
(1,898)	1:421:A:ILE:HD11	1:451:A:VAL:HB	9	0.2
(1,898)	1:421:A:ILE:HD12	1:451:A:VAL:HB	9	0.2
(1,898)	1:421:A:ILE:HD13	1:451:A:VAL:HB	9	0.2
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	6	0.2
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	6	0.2
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	19	0.2
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	19	0.2
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	12	0.2
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	14	0.2
(1,894)	1:471:A:ILE:HA	1:472:A:GLY:HA2	20	0.2
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	10	0.2
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	10	0.2
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	10	0.2
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	11	0.2
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	11	0.2
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	11	0.2
(1,882)	1:463:A:ILE:H	1:463:A:ILE:HD11	3	0.2
(1,882)	1:463:A:ILE:H	1:463:A:ILE:HD12	3	0.2
(1,882)	1:463:A:ILE:H	1:463:A:ILE:HD13	3	0.2
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	14	0.2
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	14	0.2
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	14	0.2
(1,878)	1:433:A:SER:HB3	1:451:A:VAL:HA	20	0.2
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG11	15	0.2
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG12	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG13	15	0.2
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG11	15	0.2
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG12	15	0.2
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG13	15	0.2
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB2	1	0.2
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB3	1	0.2
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	14	0.2
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	14	0.2
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	14	0.2
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	14	0.2
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	14	0.2
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	14	0.2
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	9	0.2
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	9	0.2
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	9	0.2
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	11	0.2
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	11	0.2
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	11	0.2
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	4	0.2
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	4	0.2
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	4	0.2
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	7	0.2
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	7	0.2
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	7	0.2
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	14	0.2
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	14	0.2
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	14	0.2
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	6	0.2
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	17	0.2
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	17	0.2
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	17	0.2
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	17	0.2
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	17	0.2
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	17	0.2
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	2	0.2
(1,838)	1:443:A:ASN:HB3	1:444:A:LEU:H	19	0.2
(1,835)	1:442:A:THR:H	1:443:A:ASN:HB3	3	0.2
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	9	0.2
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	10	0.2
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	15	0.2
(1,811)	1:428:A:PHE:HB2	1:458:A:SER:HA	12	0.2
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG11	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG12	19	0.2
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG13	19	0.2
(1,789)	1:485:A:ASN:HB3	1:486:A:ASP:H	3	0.2
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	6	0.2
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	14	0.2
(1,784)	1:436:A:VAL:HA	1:449:A:GLY:HA3	19	0.2
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	14	0.2
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	14	0.2
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	14	0.2
(1,773)	1:409:A:ILE:HD11	1:450:A:PHE:HA	1	0.2
(1,773)	1:409:A:ILE:HD12	1:450:A:PHE:HA	1	0.2
(1,773)	1:409:A:ILE:HD13	1:450:A:PHE:HA	1	0.2
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	20	0.2
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	20	0.2
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	20	0.2
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE1	8	0.2
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE2	8	0.2
(1,753)	1:402:A:PRO:HA	1:404:A:GLY:H	4	0.2
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB1	19	0.2
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB2	19	0.2
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB3	19	0.2
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB1	11	0.2
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB2	11	0.2
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB3	11	0.2
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	3	0.2
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	4	0.2
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	4	0.2
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	8	0.2
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	12	0.2
(1,735)	1:412:A:LEU:HB3	1:416:A:PHE:HB3	17	0.2
(1,729)	1:432:A:ILE:HA	1:453:A:TYR:HA	14	0.2
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	4	0.2
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	18	0.2
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	1	0.2
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	1	0.2
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	1	0.2
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	14	0.2
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	14	0.2
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	14	0.2
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	1	0.2
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	1	0.2
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	2	0.2
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	2	0.2
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	2	0.2
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	3	0.2
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	3	0.2
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	3	0.2
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	16	0.2
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	16	0.2
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	16	0.2
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	17	0.2
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	17	0.2
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	17	0.2
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	20	0.2
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	20	0.2
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	20	0.2
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG21	1	0.2
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG22	1	0.2
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG23	1	0.2
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG21	1	0.2
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG22	1	0.2
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG23	1	0.2
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG21	12	0.2
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG22	12	0.2
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG23	12	0.2
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG21	12	0.2
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG22	12	0.2
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG23	12	0.2
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	5	0.2
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	5	0.2
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	5	0.2
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	8	0.2
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	8	0.2
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	8	0.2
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	9	0.2
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	9	0.2
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	9	0.2
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	10	0.2
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	10	0.2
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	10	0.2
(1,665)	1:418:A:ASP:H	1:420:A:ASP:HB3	2	0.2
(1,660)	1:489:A:PRO:HA	1:490:A:TYR:HB2	8	0.2
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	8	0.2
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	8	0.2
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	8	0.2
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	8	0.2
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	8	0.2
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	8	0.2
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	8	0.2
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	8	0.2
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	18	0.2
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	18	0.2
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	18	0.2
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	20	0.2
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	20	0.2
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	20	0.2
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG21	2	0.2
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG22	2	0.2
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG23	2	0.2
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG21	20	0.2
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG22	20	0.2
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG23	20	0.2
(1,634)	1:488:A:LYS:HB2	1:489:A:PRO:HA	6	0.2
(1,634)	1:488:A:LYS:HB3	1:489:A:PRO:HA	6	0.2
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	5	0.2
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	5	0.2
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	5	0.2
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	5	0.2
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	5	0.2
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	5	0.2
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	19	0.2
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	19	0.2
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	19	0.2
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	19	0.2
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	19	0.2
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	19	0.2
(1,622)	1:402:A:PRO:HD2	1:454:A:ASP:HB3	14	0.2
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	19	0.2
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	19	0.2
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	19	0.2
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	20	0.2
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	20	0.2
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	20	0.2
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	11	0.2
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	11	0.2
(1,611)	1:410:A:TYR:HB3	1:411:A:HIS:HD2	20	0.2
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	11	0.2
(1,599)	1:409:A:ILE:HB	1:410:A:TYR:H	16	0.2
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB1	9	0.2
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB2	9	0.2
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB3	9	0.2
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	12	0.2
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	12	0.2
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	12	0.2
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	12	0.2
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	12	0.2
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	12	0.2
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	12	0.2
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	12	0.2
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	12	0.2
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG21	14	0.2
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG22	14	0.2
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG23	14	0.2
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG21	9	0.2
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG22	9	0.2
(1,556)	1:416:A:PHE:HE1	1:421:A:ILE:HG23	9	0.2
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG21	9	0.2
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG22	9	0.2
(1,556)	1:416:A:PHE:HE2	1:421:A:ILE:HG23	9	0.2
(1,555)	1:421:A:ILE:HG21	1:436:A:VAL:H	4	0.2
(1,555)	1:421:A:ILE:HG22	1:436:A:VAL:H	4	0.2
(1,555)	1:421:A:ILE:HG23	1:436:A:VAL:H	4	0.2
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	19	0.2
(1,535)	1:455:A:ASN:HB3	1:456:A:PRO:HD3	2	0.2
(1,535)	1:455:A:ASN:HB3	1:456:A:PRO:HD3	6	0.2
(1,524)	1:406:A:ASN:H	1:456:A:PRO:HA	18	0.2
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	8	0.2
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	19	0.2
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG21	19	0.2
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG22	19	0.2
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG23	19	0.2
(1,508)	1:435:A:LYS:HE2	1:450:A:PHE:HB3	4	0.2
(1,508)	1:435:A:LYS:HE3	1:450:A:PHE:HB3	4	0.2
(1,508)	1:435:A:LYS:HE2	1:450:A:PHE:HB3	7	0.2
(1,508)	1:435:A:LYS:HE3	1:450:A:PHE:HB3	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:435:A:LYS:HE2	1:450:A:PHE:HB3	8	0.2
(1,508)	1:435:A:LYS:HE3	1:450:A:PHE:HB3	8	0.2
(1,498)	1:438:A:ILE:HG21	1:440:A:LYS:HE2	9	0.2
(1,498)	1:438:A:ILE:HG21	1:440:A:LYS:HE3	9	0.2
(1,498)	1:438:A:ILE:HG22	1:440:A:LYS:HE2	9	0.2
(1,498)	1:438:A:ILE:HG22	1:440:A:LYS:HE3	9	0.2
(1,498)	1:438:A:ILE:HG23	1:440:A:LYS:HE2	9	0.2
(1,498)	1:438:A:ILE:HG23	1:440:A:LYS:HE3	9	0.2
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE2	1	0.2
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE3	1	0.2
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	11	0.2
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	11	0.2
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	11	0.2
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	15	0.2
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	15	0.2
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	15	0.2
(1,478)	1:462:A:ALA:HB1	1:466:A:MET:H	8	0.2
(1,478)	1:462:A:ALA:HB2	1:466:A:MET:H	8	0.2
(1,478)	1:462:A:ALA:HB3	1:466:A:MET:H	8	0.2
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	6	0.2
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	6	0.2
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	6	0.2
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	6	0.2
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	13	0.2
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	13	0.2
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	1	0.2
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	1	0.2
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	8	0.2
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	8	0.2
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	18	0.2
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	18	0.2
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	20	0.2
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	20	0.2
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	4	0.2
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	4	0.2
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	4	0.2
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	4	0.2
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	17	0.2
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	17	0.2
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	5	0.2
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	5	0.2
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	6	0.2
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	6	0.2
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	6	0.2
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	13	0.2
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	13	0.2
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	13	0.2
(1,420)	1:479:A:GLN:HA	1:480:A:LEU:HB2	14	0.2
(1,420)	1:479:A:GLN:HA	1:480:A:LEU:HB3	14	0.2
(1,416)	1:453:A:TYR:HB2	1:459:A:ALA:H	1	0.2
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	2	0.2
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	2	0.2
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB2	14	0.2
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB3	14	0.2
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB2	14	0.2
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB3	14	0.2
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB2	14	0.2
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB3	14	0.2
(1,406)	1:482:A:ARG:HA	1:482:A:ARG:HD2	14	0.2
(1,406)	1:482:A:ARG:HA	1:482:A:ARG:HD3	14	0.2
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	17	0.2
(1,395)	1:405:A:ALA:HB1	1:452:A:SER:HB2	9	0.2
(1,395)	1:405:A:ALA:HB2	1:452:A:SER:HB2	9	0.2
(1,395)	1:405:A:ALA:HB3	1:452:A:SER:HB2	9	0.2
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB2	15	0.2
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB3	15	0.2
(1,379)	1:475:A:ARG:HA	1:475:A:ARG:HD2	8	0.2
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	6	0.2
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	6	0.2
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	6	0.2
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	6	0.2
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	6	0.2
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	6	0.2
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	6	0.2
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	6	0.2
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	6	0.2
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	6	0.2
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	6	0.2
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	6	0.2
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	6	0.2
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	6	0.2
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	6	0.2
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	6	0.2
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	6	0.2
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	12	0.2
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	12	0.2
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	12	0.2
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	12	0.2
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	12	0.2
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	12	0.2
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	12	0.2
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	12	0.2
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	12	0.2
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	12	0.2
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	12	0.2
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	12	0.2
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	12	0.2
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	12	0.2
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	12	0.2
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	12	0.2
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	12	0.2
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	12	0.2
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	15	0.2
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	15	0.2
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	15	0.2
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	12	0.2
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	12	0.2
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	12	0.2
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	2	0.2
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	2	0.2
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	2	0.2
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	14	0.2
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	14	0.2
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	14	0.2
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG11	3	0.2
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG12	3	0.2
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG13	3	0.2
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	6	0.2
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	6	0.2
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	6	0.2
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	2	0.2
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	8	0.2
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	11	0.2
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	2	0.2
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	2	0.2
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	2	0.2
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	17	0.2
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	17	0.2
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	17	0.2
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB1	10	0.2
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB2	10	0.2
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB3	10	0.2
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	15	0.2
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	15	0.2
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	15	0.2
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG11	6	0.2
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG12	6	0.2
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG13	6	0.2
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG11	6	0.2
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG12	6	0.2
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG13	6	0.2
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG11	6	0.2
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG12	6	0.2
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG13	6	0.2
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG11	9	0.2
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG12	9	0.2
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG13	9	0.2
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG11	9	0.2
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG12	9	0.2
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG13	9	0.2
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG11	9	0.2
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG12	9	0.2
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG13	9	0.2
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG11	4	0.2
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG12	4	0.2
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG13	4	0.2
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG11	3	0.2
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG12	3	0.2
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG13	3	0.2
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	2	0.2
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	2	0.2
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	2	0.2
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG11	4	0.2
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG12	4	0.2
(1,244)	1:478:A:VAL:H	1:478:A:VAL:HG13	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	6	0.2
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	6	0.2
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	6	0.2
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	6	0.2
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	6	0.2
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	6	0.2
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	6	0.2
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	6	0.2
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	6	0.2
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	18	0.2
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	18	0.2
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	18	0.2
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	18	0.2
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	18	0.2
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	18	0.2
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	18	0.2
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	18	0.2
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	18	0.2
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	18	0.2
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	18	0.2
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	18	0.2
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	19	0.2
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	19	0.2
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	19	0.2
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	10	0.2
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	10	0.2
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	10	0.2
(1,229)	1:451:A:VAL:HG21	1:452:A:SER:H	18	0.2
(1,229)	1:451:A:VAL:HG22	1:452:A:SER:H	18	0.2
(1,229)	1:451:A:VAL:HG23	1:452:A:SER:H	18	0.2
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG21	11	0.2
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG22	11	0.2
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG23	11	0.2
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG21	11	0.2
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG22	11	0.2
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG23	11	0.2
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	2	0.2
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	2	0.2
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	2	0.2
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	4	0.2
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	4	0.2
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	7	0.2
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	7	0.2
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	7	0.2
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	15	0.2
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	15	0.2
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	15	0.2
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	19	0.2
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	19	0.2
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	19	0.2
(1,204)	1:457:A:VAL:HG11	1:459:A:ALA:H	20	0.2
(1,204)	1:457:A:VAL:HG12	1:459:A:ALA:H	20	0.2
(1,204)	1:457:A:VAL:HG13	1:459:A:ALA:H	20	0.2
(1,204)	1:457:A:VAL:HG21	1:459:A:ALA:H	20	0.2
(1,204)	1:457:A:VAL:HG22	1:459:A:ALA:H	20	0.2
(1,204)	1:457:A:VAL:HG23	1:459:A:ALA:H	20	0.2
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	7	0.2
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	7	0.2
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	7	0.2
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	7	0.2
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	7	0.2
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	7	0.2
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	10	0.2
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	10	0.2
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	10	0.2
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	10	0.2
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	10	0.2
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	10	0.2
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	13	0.2
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	13	0.2
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	13	0.2
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	13	0.2
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	13	0.2
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	13	0.2
(1,185)	1:421:A:ILE:HG12	1:436:A:VAL:HG21	17	0.2
(1,185)	1:421:A:ILE:HG12	1:436:A:VAL:HG22	17	0.2
(1,185)	1:421:A:ILE:HG12	1:436:A:VAL:HG23	17	0.2
(1,184)	1:404:A:GLY:HA3	1:456:A:PRO:HB2	5	0.2
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	1	0.2
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	1	0.2
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	1	0.2
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	1	0.2
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	1	0.2
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	1	0.2
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	1	0.2
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	1	0.2
(1,174)	1:425:A:PHE:HD1	1:431:A:VAL:HG11	3	0.2
(1,174)	1:425:A:PHE:HD1	1:431:A:VAL:HG12	3	0.2
(1,174)	1:425:A:PHE:HD1	1:431:A:VAL:HG13	3	0.2
(1,174)	1:425:A:PHE:HD2	1:431:A:VAL:HG11	3	0.2
(1,174)	1:425:A:PHE:HD2	1:431:A:VAL:HG12	3	0.2
(1,174)	1:425:A:PHE:HD2	1:431:A:VAL:HG13	3	0.2
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	11	0.2
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	3	0.2
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	3	0.2
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	3	0.2
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	3	0.2
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	3	0.2
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	3	0.2
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	20	0.2
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	20	0.2
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	20	0.2
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	20	0.2
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	20	0.2
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	20	0.2
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD11	19	0.2
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD12	19	0.2
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD13	19	0.2
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD21	19	0.2
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD22	19	0.2
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD23	19	0.2
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG21	12	0.2
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG22	12	0.2
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG23	12	0.2
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	17	0.2
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	17	0.2
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	17	0.2
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	17	0.2
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	17	0.2
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	17	0.2
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD11	16	0.2
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD12	16	0.2
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD13	16	0.2
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD21	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD22	16	0.2
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD23	16	0.2
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD11	17	0.2
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD12	17	0.2
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD13	17	0.2
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD21	17	0.2
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD22	17	0.2
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD23	17	0.2
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	3	0.2
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	3	0.2
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	3	0.2
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	3	0.2
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	3	0.2
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	3	0.2
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	3	0.2
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	3	0.2
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	3	0.2
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	3	0.2
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	3	0.2
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	3	0.2
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	3	0.2
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	3	0.2
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	3	0.2
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	3	0.2
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	3	0.2
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	3	0.2
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	13	0.2
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	13	0.2
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	13	0.2
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	13	0.2
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	13	0.2
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	13	0.2
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	13	0.2
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	13	0.2
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	13	0.2
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	13	0.2
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	13	0.2
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	13	0.2
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	13	0.2
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	13	0.2
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	13	0.2
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	13	0.2
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	13	0.2
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	7	0.2
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	7	0.2
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	7	0.2
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	7	0.2
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	7	0.2
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	7	0.2
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	7	0.2
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	7	0.2
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	7	0.2
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	7	0.2
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	7	0.2
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	7	0.2
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	7	0.2
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	7	0.2
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	7	0.2
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	7	0.2
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	7	0.2
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	7	0.2
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	18	0.2
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	18	0.2
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	18	0.2
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	18	0.2
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	18	0.2
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	18	0.2
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	18	0.2
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	18	0.2
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	18	0.2
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	18	0.2
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	18	0.2
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	18	0.2
(1,122)	1:463:A:ILE:H	1:478:A:VAL:HG21	4	0.2
(1,122)	1:463:A:ILE:H	1:478:A:VAL:HG22	4	0.2
(1,122)	1:463:A:ILE:H	1:478:A:VAL:HG23	4	0.2
(1,117)	1:442:A:THR:HG21	1:444:A:LEU:HG	4	0.2
(1,117)	1:442:A:THR:HG22	1:444:A:LEU:HG	4	0.2
(1,117)	1:442:A:THR:HG23	1:444:A:LEU:HG	4	0.2
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	12	0.2
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	12	0.2
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	12	0.2
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	16	0.2
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	16	0.2
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	14	0.2
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	14	0.2
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	14	0.2
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	14	0.2
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	14	0.2
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	14	0.2
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	12	0.2
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	12	0.2
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	12	0.2
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	12	0.2
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	12	0.2
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	12	0.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	2	0.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	2	0.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	2	0.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	2	0.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	2	0.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	2	0.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	8	0.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	8	0.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	8	0.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	8	0.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	8	0.2
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	8	0.2
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG2	14	0.2
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG3	14	0.2
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	8	0.2
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	8	0.2
(1,59)	1:474:A:LYS:H	1:474:A:LYS:HG2	15	0.2
(1,38)	1:409:A:ILE:HG13	1:476:A:LEU:HG	2	0.2
(1,38)	1:409:A:ILE:HG13	1:476:A:LEU:HG	3	0.2
(1,38)	1:409:A:ILE:HG13	1:476:A:LEU:HG	15	0.2
(1,37)	1:469:A:PHE:HB3	1:476:A:LEU:HG	7	0.2
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	2	0.2
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	3	0.2
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	8	0.2
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	9	0.2
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	13	0.2
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	10	0.2
(1,31)	1:402:A:PRO:HD3	1:455:A:ASN:H	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	14	0.2
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	20	0.2
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	20	0.2
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	15	0.19
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	15	0.19
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	15	0.19
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	15	0.19
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	13	0.19
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	13	0.19
(1,2419)	1:414:A:GLN:HG3	1:416:A:PHE:HD1	4	0.19
(1,2419)	1:414:A:GLN:HG3	1:416:A:PHE:HD2	4	0.19
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE1	1	0.19
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE2	1	0.19
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE1	10	0.19
(1,2412)	1:449:A:GLY:HA3	1:450:A:PHE:HE2	10	0.19
(1,2409)	1:408:A:PHE:HE1	1:452:A:SER:H	1	0.19
(1,2409)	1:408:A:PHE:HE2	1:452:A:SER:H	1	0.19
(1,2409)	1:408:A:PHE:HE1	1:452:A:SER:H	3	0.19
(1,2409)	1:408:A:PHE:HE2	1:452:A:SER:H	3	0.19
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	7	0.19
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	7	0.19
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	17	0.19
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	17	0.19
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD1	18	0.19
(1,2406)	1:428:A:PHE:H	1:428:A:PHE:HD2	18	0.19
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD1	2	0.19
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD2	2	0.19
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD1	2	0.19
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD2	2	0.19
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD1	7	0.19
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD2	7	0.19
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD1	7	0.19
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD2	7	0.19
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD1	20	0.19
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD2	20	0.19
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD1	20	0.19
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD2	20	0.19
(1,2401)	1:398:A:GLN:HG2	1:408:A:PHE:HE1	2	0.19
(1,2401)	1:398:A:GLN:HG2	1:408:A:PHE:HE2	2	0.19
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	16	0.19
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	16	0.19
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	19	0.19
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	19	0.19
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	19	0.19
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	19	0.19
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	19	0.19
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	19	0.19
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	19	0.19
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	19	0.19
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	19	0.19
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	19	0.19
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	19	0.19
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	16	0.19
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	16	0.19
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	16	0.19
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	16	0.19
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	16	0.19
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	16	0.19
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG2	19	0.19
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG3	19	0.19
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG2	19	0.19
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG3	19	0.19
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD1	4	0.19
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD2	4	0.19
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD1	13	0.19
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD2	13	0.19
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD1	14	0.19
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD2	14	0.19
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	5	0.19
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	5	0.19
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	14	0.19
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	14	0.19
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	14	0.19
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	14	0.19
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	14	0.19
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	14	0.19
(1,2366)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	12	0.19
(1,2366)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	12	0.19
(1,2366)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	12	0.19
(1,2366)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	12	0.19
(1,2366)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	12	0.19
(1,2366)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	12	0.19
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD1	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD2	8	0.19
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD1	20	0.19
(1,2360)	1:453:A:TYR:H	1:453:A:TYR:HD2	20	0.19
(1,2358)	1:453:A:TYR:HD1	1:458:A:SER:HB3	12	0.19
(1,2358)	1:453:A:TYR:HD2	1:458:A:SER:HB3	12	0.19
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD1	14	0.19
(1,2348)	1:411:A:HIS:H	1:448:A:PHE:HD2	14	0.19
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	7	0.19
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	7	0.19
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	15	0.19
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	15	0.19
(1,2329)	1:428:A:PHE:HB2	1:429:A:GLY:H	18	0.19
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	3	0.19
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	16	0.19
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	17	0.19
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	19	0.19
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	17	0.19
(1,2286)	1:456:A:PRO:HB2	1:460:A:GLN:HE22	6	0.19
(1,2285)	1:463:A:ILE:HG21	1:464:A:GLN:HE21	3	0.19
(1,2285)	1:463:A:ILE:HG22	1:464:A:GLN:HE21	3	0.19
(1,2285)	1:463:A:ILE:HG23	1:464:A:GLN:HE21	3	0.19
(1,2284)	1:422:A:LEU:HB2	1:423:A:GLN:HE21	2	0.19
(1,2274)	1:456:A:PRO:HB3	1:460:A:GLN:HE22	4	0.19
(1,2270)	1:420:A:ASP:H	1:423:A:GLN:HE21	12	0.19
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	7	0.19
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	7	0.19
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	7	0.19
(1,2249)	1:444:A:LEU:HD11	1:479:A:GLN:HE21	9	0.19
(1,2249)	1:444:A:LEU:HD12	1:479:A:GLN:HE21	9	0.19
(1,2249)	1:444:A:LEU:HD13	1:479:A:GLN:HE21	9	0.19
(1,2249)	1:444:A:LEU:HD21	1:479:A:GLN:HE21	9	0.19
(1,2249)	1:444:A:LEU:HD22	1:479:A:GLN:HE21	9	0.19
(1,2249)	1:444:A:LEU:HD23	1:479:A:GLN:HE21	9	0.19
(1,2241)	1:445:A:SER:HB2	1:479:A:GLN:HE22	7	0.19
(1,2240)	1:445:A:SER:HB3	1:479:A:GLN:HE22	6	0.19
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	8	0.19
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	8	0.19
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	8	0.19
(1,2237)	1:404:A:GLY:H	1:406:A:ASN:HD21	3	0.19
(1,2235)	1:404:A:GLY:H	1:405:A:ALA:H	8	0.19
(1,2225)	1:431:A:VAL:HA	1:454:A:ASP:H	10	0.19
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG21	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG22	1	0.19
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG23	1	0.19
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG21	13	0.19
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG22	13	0.19
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG23	13	0.19
(1,2210)	1:430:A:ASN:HD21	1:431:A:VAL:H	13	0.19
(1,2206)	1:430:A:ASN:H	1:430:A:ASN:HD21	6	0.19
(1,2206)	1:430:A:ASN:H	1:430:A:ASN:HD21	16	0.19
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG11	20	0.19
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG12	20	0.19
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG13	20	0.19
(1,2191)	1:453:A:TYR:HB3	1:455:A:ASN:H	6	0.19
(1,2191)	1:453:A:TYR:HB3	1:455:A:ASN:H	10	0.19
(1,2191)	1:453:A:TYR:HB3	1:455:A:ASN:H	18	0.19
(1,2180)	1:410:A:TYR:HA	1:412:A:LEU:H	14	0.19
(1,2169)	1:455:A:ASN:HD21	1:458:A:SER:H	17	0.19
(1,2164)	1:455:A:ASN:HD22	1:457:A:VAL:HB	2	0.19
(1,2164)	1:455:A:ASN:HD22	1:457:A:VAL:HB	19	0.19
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	8	0.19
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	8	0.19
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	16	0.19
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	16	0.19
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	6	0.19
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	13	0.19
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	11	0.19
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	5	0.19
(1,2088)	1:440:A:LYS:HA	1:443:A:ASN:H	10	0.19
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	8	0.19
(1,2083)	1:463:A:ILE:HB	1:465:A:ALA:H	14	0.19
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	2	0.19
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	2	0.19
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	6	0.19
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	6	0.19
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	13	0.19
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	13	0.19
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	4	0.19
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	14	0.19
(1,2074)	1:441:A:GLN:H	1:441:A:GLN:HB3	15	0.19
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	8	0.19
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	9	0.19
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	19	0.19
(1,2054)	1:400:A:GLU:HB3	1:406:A:ASN:HD21	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2053)	1:405:A:ALA:HB1	1:406:A:ASN:HD21	10	0.19
(1,2053)	1:405:A:ALA:HB2	1:406:A:ASN:HD21	10	0.19
(1,2053)	1:405:A:ALA:HB3	1:406:A:ASN:HD21	10	0.19
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	4	0.19
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	8	0.19
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	10	0.19
(1,2026)	1:468:A:GLY:H	1:477:A:LYS:HA	4	0.19
(1,2026)	1:468:A:GLY:H	1:477:A:LYS:HA	7	0.19
(1,2026)	1:468:A:GLY:H	1:477:A:LYS:HA	10	0.19
(1,2017)	1:461:A:ALA:HA	1:463:A:ILE:H	1	0.19
(1,2017)	1:461:A:ALA:HA	1:463:A:ILE:H	11	0.19
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	4	0.19
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	18	0.19
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG21	2	0.19
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG22	2	0.19
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG23	2	0.19
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB2	12	0.19
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB3	12	0.19
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	15	0.19
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	17	0.19
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	18	0.19
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	14	0.19
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	5	0.19
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	14	0.19
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	4	0.19
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	18	0.19
(1,1979)	1:474:A:LYS:HG2	1:475:A:ARG:H	12	0.19
(1,1978)	1:474:A:LYS:HD2	1:475:A:ARG:H	7	0.19
(1,1978)	1:474:A:LYS:HD3	1:475:A:ARG:H	7	0.19
(1,1960)	1:436:A:VAL:HA	1:450:A:PHE:H	20	0.19
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE1	11	0.19
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE2	11	0.19
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE1	17	0.19
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE2	17	0.19
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	11	0.19
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	18	0.19
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	4	0.19
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	9	0.19
(1,1937)	1:409:A:ILE:H	1:450:A:PHE:HA	2	0.19
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	5	0.19
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	5	0.19
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	20	0.19
(1,1930)	1:435:A:LYS:H	1:450:A:PHE:HB3	1	0.19
(1,1930)	1:435:A:LYS:H	1:450:A:PHE:HB3	4	0.19
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	1	0.19
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	2	0.19
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	18	0.19
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	1	0.19
(1,1900)	1:418:A:ASP:H	1:418:A:ASP:HB2	2	0.19
(1,1896)	1:418:A:ASP:H	1:419:A:GLN:H	17	0.19
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	12	0.19
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	8	0.19
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	4	0.19
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	4	0.19
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	10	0.19
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	10	0.19
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	20	0.19
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	20	0.19
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	13	0.19
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	13	0.19
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	5	0.19
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	10	0.19
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG2	8	0.19
(1,1853)	1:422:A:LEU:H	1:426:A:MET:HG3	8	0.19
(1,1850)	1:399:A:LYS:H	1:433:A:SER:HB2	13	0.19
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD11	13	0.19
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD12	13	0.19
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD13	13	0.19
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD21	13	0.19
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD22	13	0.19
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD23	13	0.19
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD11	14	0.19
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD12	14	0.19
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD13	14	0.19
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD21	14	0.19
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD22	14	0.19
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD23	14	0.19
(1,1839)	1:470:A:GLN:HA	1:476:A:LEU:H	19	0.19
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	13	0.19
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	13	0.19
(1,1831)	1:407:A:LEU:H	1:453:A:TYR:H	18	0.19
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG21	18	0.19
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG22	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG23	18	0.19
(1,1828)	1:409:A:ILE:HD11	1:410:A:TYR:H	18	0.19
(1,1828)	1:409:A:ILE:HD12	1:410:A:TYR:H	18	0.19
(1,1828)	1:409:A:ILE:HD13	1:410:A:TYR:H	18	0.19
(1,1826)	1:410:A:TYR:H	1:476:A:LEU:HA	9	0.19
(1,1826)	1:410:A:TYR:H	1:476:A:LEU:HA	17	0.19
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	2	0.19
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	2	0.19
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	2	0.19
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	8	0.19
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	8	0.19
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	8	0.19
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	9	0.19
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	9	0.19
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	9	0.19
(1,1806)	1:489:A:PRO:HG2	1:490:A:TYR:H	9	0.19
(1,1805)	1:490:A:TYR:H	1:490:A:TYR:HB2	1	0.19
(1,1801)	1:410:A:TYR:HB2	1:477:A:LYS:H	17	0.19
(1,1794)	1:407:A:LEU:HD11	1:479:A:GLN:H	2	0.19
(1,1794)	1:407:A:LEU:HD12	1:479:A:GLN:H	2	0.19
(1,1794)	1:407:A:LEU:HD13	1:479:A:GLN:H	2	0.19
(1,1794)	1:407:A:LEU:HD21	1:479:A:GLN:H	2	0.19
(1,1794)	1:407:A:LEU:HD22	1:479:A:GLN:H	2	0.19
(1,1794)	1:407:A:LEU:HD23	1:479:A:GLN:H	2	0.19
(1,1794)	1:407:A:LEU:HD11	1:479:A:GLN:H	15	0.19
(1,1794)	1:407:A:LEU:HD12	1:479:A:GLN:H	15	0.19
(1,1794)	1:407:A:LEU:HD13	1:479:A:GLN:H	15	0.19
(1,1794)	1:407:A:LEU:HD21	1:479:A:GLN:H	15	0.19
(1,1794)	1:407:A:LEU:HD22	1:479:A:GLN:H	15	0.19
(1,1794)	1:407:A:LEU:HD23	1:479:A:GLN:H	15	0.19
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	3	0.19
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	5	0.19
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	10	0.19
(1,1778)	1:434:A:ALA:H	1:435:A:LYS:HG2	14	0.19
(1,1772)	1:444:A:LEU:HD11	1:446:A:LYS:H	12	0.19
(1,1772)	1:444:A:LEU:HD12	1:446:A:LYS:H	12	0.19
(1,1772)	1:444:A:LEU:HD13	1:446:A:LYS:H	12	0.19
(1,1772)	1:444:A:LEU:HD21	1:446:A:LYS:H	12	0.19
(1,1772)	1:444:A:LEU:HD22	1:446:A:LYS:H	12	0.19
(1,1772)	1:444:A:LEU:HD23	1:446:A:LYS:H	12	0.19
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	7	0.19
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1733)	1:424:A:MET:HA	1:426:A:MET:H	3	0.19
(1,1733)	1:424:A:MET:HA	1:426:A:MET:H	8	0.19
(1,1726)	1:432:A:ILE:H	1:453:A:TYR:HA	19	0.19
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	6	0.19
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	4	0.19
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	4	0.19
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	3	0.19
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	3	0.19
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	18	0.19
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	18	0.19
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	10	0.19
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	10	0.19
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	10	0.19
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	10	0.19
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	12	0.19
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	12	0.19
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	12	0.19
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	12	0.19
(1,1703)	1:402:A:PRO:HG2	1:405:A:ALA:HA	16	0.19
(1,1682)	1:482:A:ARG:HG2	1:483:A:SER:HB2	9	0.19
(1,1682)	1:482:A:ARG:HG2	1:483:A:SER:HB3	9	0.19
(1,1682)	1:482:A:ARG:HG3	1:483:A:SER:HB2	9	0.19
(1,1682)	1:482:A:ARG:HG3	1:483:A:SER:HB3	9	0.19
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	5	0.19
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	5	0.19
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	5	0.19
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	5	0.19
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	5	0.19
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	5	0.19
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	5	0.19
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	5	0.19
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	5	0.19
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	5	0.19
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	5	0.19
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	5	0.19
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	12	0.19
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	12	0.19
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	12	0.19
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	12	0.19
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	12	0.19
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	12	0.19
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	12	0.19
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	12	0.19
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	12	0.19
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	12	0.19
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	12	0.19
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	11	0.19
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	11	0.19
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	19	0.19
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	4	0.19
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	4	0.19
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	14	0.19
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	14	0.19
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	15	0.19
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	15	0.19
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	17	0.19
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	17	0.19
(1,1629)	1:405:A:ALA:HA	1:455:A:ASN:HA	5	0.19
(1,1629)	1:405:A:ALA:HA	1:455:A:ASN:HA	6	0.19
(1,1629)	1:405:A:ALA:HA	1:455:A:ASN:HA	15	0.19
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	16	0.19
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	16	0.19
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	8	0.19
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	8	0.19
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	14	0.19
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	14	0.19
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	1	0.19
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	1	0.19
(1,1609)	1:464:A:GLN:HB2	1:466:A:MET:H	4	0.19
(1,1609)	1:464:A:GLN:HB3	1:466:A:MET:H	4	0.19
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	3	0.19
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	3	0.19
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	5	0.19
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	5	0.19
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	15	0.19
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	15	0.19
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	10	0.19
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	7	0.19
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	15	0.19
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	17	0.19
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD2	12	0.19
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD3	12	0.19
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD2	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD3	12	0.19
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD2	12	0.19
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD3	12	0.19
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	11	0.19
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	11	0.19
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	11	0.19
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	11	0.19
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	17	0.19
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	17	0.19
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	17	0.19
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	17	0.19
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	10	0.19
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	10	0.19
(1,1522)	1:410:A:TYR:HD1	1:477:A:LYS:HD2	7	0.19
(1,1522)	1:410:A:TYR:HD1	1:477:A:LYS:HD3	7	0.19
(1,1522)	1:410:A:TYR:HD2	1:477:A:LYS:HD2	7	0.19
(1,1522)	1:410:A:TYR:HD2	1:477:A:LYS:HD3	7	0.19
(1,1521)	1:477:A:LYS:HD2	1:479:A:GLN:HB2	16	0.19
(1,1521)	1:477:A:LYS:HD2	1:479:A:GLN:HB3	16	0.19
(1,1521)	1:477:A:LYS:HD3	1:479:A:GLN:HB2	16	0.19
(1,1521)	1:477:A:LYS:HD3	1:479:A:GLN:HB3	16	0.19
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	6	0.19
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	16	0.19
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	16	0.19
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	16	0.19
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	4	0.19
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	4	0.19
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	4	0.19
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	4	0.19
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	10	0.19
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	10	0.19
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	10	0.19
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	10	0.19
(1,1497)	1:406:A:ASN:HA	1:452:A:SER:HB3	18	0.19
(1,1478)	1:402:A:PRO:HG3	1:454:A:ASP:HA	8	0.19
(1,1457)	1:466:A:MET:HA	1:469:A:PHE:HB3	18	0.19
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	12	0.19
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	12	0.19
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	12	0.19
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	13	0.19
(1,1439)	1:418:A:ASP:HB2	1:435:A:LYS:HA	7	0.19
(1,1430)	1:418:A:ASP:HB3	1:435:A:LYS:HA	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1430)	1:418:A:ASP:HB3	1:435:A:LYS:HA	10	0.19
(1,1430)	1:418:A:ASP:HB3	1:435:A:LYS:HA	17	0.19
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	18	0.19
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	18	0.19
(1,1426)	1:485:A:ASN:HB2	1:486:A:ASP:HA	4	0.19
(1,1426)	1:485:A:ASN:HB2	1:486:A:ASP:HA	15	0.19
(1,1423)	1:462:A:ALA:HA	1:466:A:MET:HB2	20	0.19
(1,1423)	1:462:A:ALA:HA	1:466:A:MET:HB3	20	0.19
(1,1418)	1:413:A:PRO:HB2	1:475:A:ARG:HA	4	0.19
(1,1418)	1:413:A:PRO:HB3	1:475:A:ARG:HA	4	0.19
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	5	0.19
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	15	0.19
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	19	0.19
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	10	0.19
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	12	0.19
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	3	0.19
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	8	0.19
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	14	0.19
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	14	0.19
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	18	0.19
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	18	0.19
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	13	0.19
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	13	0.19
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	13	0.19
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	13	0.19
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	13	0.19
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	13	0.19
(1,1391)	1:405:A:ALA:HA	1:459:A:ALA:HA	2	0.19
(1,1391)	1:405:A:ALA:HA	1:459:A:ALA:HA	13	0.19
(1,1384)	1:477:A:LYS:HA	1:478:A:VAL:HB	4	0.19
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	18	0.19
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	18	0.19
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	18	0.19
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	18	0.19
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	18	0.19
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	18	0.19
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	18	0.19
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	18	0.19
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	18	0.19
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	18	0.19
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	18	0.19
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD1	6	0.19
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD2	6	0.19
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD1	6	0.19
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD2	6	0.19
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD1	8	0.19
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD2	8	0.19
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD1	8	0.19
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD2	8	0.19
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD1	11	0.19
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD2	11	0.19
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD1	11	0.19
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD2	11	0.19
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD1	12	0.19
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD2	12	0.19
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD1	12	0.19
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD2	12	0.19
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	2	0.19
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	2	0.19
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	13	0.19
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	13	0.19
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	3	0.19
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	3	0.19
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	3	0.19
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	3	0.19
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	3	0.19
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	3	0.19
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	4	0.19
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	4	0.19
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	4	0.19
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	4	0.19
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	4	0.19
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	4	0.19
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	13	0.19
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	13	0.19
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	13	0.19
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	13	0.19
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	13	0.19
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	13	0.19
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	14	0.19
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	14	0.19
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	14	0.19
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	14	0.19
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	14	0.19
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	9	0.19
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	9	0.19
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	9	0.19
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	9	0.19
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	12	0.19
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	12	0.19
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	12	0.19
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	12	0.19
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	5	0.19
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	5	0.19
(1,1339)	1:426:A:MET:HG2	1:431:A:VAL:HB	9	0.19
(1,1339)	1:426:A:MET:HG3	1:431:A:VAL:HB	9	0.19
(1,1335)	1:422:A:LEU:HG	1:426:A:MET:HG2	20	0.19
(1,1335)	1:422:A:LEU:HG	1:426:A:MET:HG3	20	0.19
(1,1331)	1:466:A:MET:HB2	1:468:A:GLY:H	5	0.19
(1,1331)	1:466:A:MET:HB3	1:468:A:GLY:H	5	0.19
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	8	0.19
(1,1326)	1:411:A:HIS:H	1:448:A:PHE:HA	10	0.19
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	10	0.19
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	14	0.19
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	9	0.19
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	20	0.19
(1,1282)	1:398:A:GLN:HA	1:398:A:GLN:HG3	17	0.19
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	9	0.19
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	20	0.19
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB2	17	0.19
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB3	17	0.19
(1,1244)	1:411:A:HIS:HB2	1:476:A:LEU:HA	8	0.19
(1,1241)	1:456:A:PRO:HB3	1:460:A:GLN:HG2	4	0.19
(1,1241)	1:456:A:PRO:HB3	1:460:A:GLN:HG3	4	0.19
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	1	0.19
(1,1234)	1:452:A:SER:HA	1:453:A:TYR:HA	13	0.19
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	20	0.19
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	20	0.19
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	20	0.19
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG21	10	0.19
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG22	10	0.19
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG23	10	0.19
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG21	12	0.19
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG22	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG23	12	0.19
(1,1228)	1:398:A:GLN:HG3	1:399:A:LYS:HA	2	0.19
(1,1228)	1:398:A:GLN:HG3	1:399:A:LYS:HA	19	0.19
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	1	0.19
(1,1211)	1:470:A:GLN:HG2	1:472:A:GLY:H	7	0.19
(1,1211)	1:470:A:GLN:HG3	1:472:A:GLY:H	7	0.19
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG2	4	0.19
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG3	4	0.19
(1,1185)	1:467:A:ASN:HA	1:478:A:VAL:HB	2	0.19
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	1	0.19
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	4	0.19
(1,1178)	1:399:A:LYS:H	1:399:A:LYS:HB2	6	0.19
(1,1178)	1:399:A:LYS:H	1:399:A:LYS:HB3	6	0.19
(1,1162)	1:460:A:GLN:HG2	1:463:A:ILE:HB	5	0.19
(1,1162)	1:460:A:GLN:HG3	1:463:A:ILE:HB	5	0.19
(1,1162)	1:460:A:GLN:HG2	1:463:A:ILE:HB	7	0.19
(1,1162)	1:460:A:GLN:HG3	1:463:A:ILE:HB	7	0.19
(1,1155)	1:418:A:ASP:H	1:419:A:GLN:HG2	10	0.19
(1,1155)	1:418:A:ASP:H	1:419:A:GLN:HG3	10	0.19
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	13	0.19
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	13	0.19
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	15	0.19
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	15	0.19
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD2	14	0.19
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD3	14	0.19
(1,1147)	1:483:A:SER:HB2	1:484:A:LYS:HA	17	0.19
(1,1147)	1:483:A:SER:HB3	1:484:A:LYS:HA	17	0.19
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	3	0.19
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	3	0.19
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	11	0.19
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	11	0.19
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	15	0.19
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	15	0.19
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	13	0.19
(1,1136)	1:460:A:GLN:HG2	1:463:A:ILE:H	5	0.19
(1,1136)	1:460:A:GLN:HG3	1:463:A:ILE:H	5	0.19
(1,1136)	1:460:A:GLN:HG2	1:463:A:ILE:H	12	0.19
(1,1136)	1:460:A:GLN:HG3	1:463:A:ILE:H	12	0.19
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	5	0.19
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	14	0.19
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	17	0.19
(1,1112)	1:423:A:GLN:H	1:423:A:GLN:HG3	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	9	0.19
(1,1103)	1:479:A:GLN:HG2	1:480:A:LEU:H	1	0.19
(1,1103)	1:479:A:GLN:HG3	1:480:A:LEU:H	1	0.19
(1,1103)	1:479:A:GLN:HG2	1:480:A:LEU:H	4	0.19
(1,1103)	1:479:A:GLN:HG3	1:480:A:LEU:H	4	0.19
(1,1103)	1:479:A:GLN:HG2	1:480:A:LEU:H	8	0.19
(1,1103)	1:479:A:GLN:HG3	1:480:A:LEU:H	8	0.19
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	4	0.19
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	4	0.19
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	13	0.19
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	13	0.19
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	20	0.19
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	20	0.19
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	3	0.19
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	8	0.19
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	9	0.19
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	18	0.19
(1,1085)	1:440:A:LYS:HG2	1:441:A:GLN:HG3	9	0.19
(1,1085)	1:440:A:LYS:HG3	1:441:A:GLN:HG3	9	0.19
(1,1078)	1:440:A:LYS:HE2	1:441:A:GLN:HG3	10	0.19
(1,1078)	1:440:A:LYS:HE3	1:441:A:GLN:HG3	10	0.19
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	20	0.19
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	20	0.19
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	20	0.19
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	12	0.19
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	12	0.19
(1,1031)	1:403:A:GLU:HA	1:406:A:ASN:HD22	4	0.19
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	11	0.19
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	11	0.19
(1,1021)	1:444:A:LEU:HD11	1:445:A:SER:HA	2	0.19
(1,1021)	1:444:A:LEU:HD12	1:445:A:SER:HA	2	0.19
(1,1021)	1:444:A:LEU:HD13	1:445:A:SER:HA	2	0.19
(1,1021)	1:444:A:LEU:HD21	1:445:A:SER:HA	2	0.19
(1,1021)	1:444:A:LEU:HD22	1:445:A:SER:HA	2	0.19
(1,1021)	1:444:A:LEU:HD23	1:445:A:SER:HA	2	0.19
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	1	0.19
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	1	0.19
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	4	0.19
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	6	0.19
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	20	0.19
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	6	0.19
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1002)	1:435:A:LYS:HE2	1:437:A:PHE:HA	17	0.19
(1,1002)	1:435:A:LYS:HE3	1:437:A:PHE:HA	17	0.19
(1,993)	1:422:A:LEU:HA	1:425:A:PHE:HB2	13	0.19
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	2	0.19
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	2	0.19
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	2	0.19
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	14	0.19
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	14	0.19
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	14	0.19
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	2	0.19
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	2	0.19
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	2	0.19
(1,960)	1:409:A:ILE:HA	1:410:A:TYR:HB2	13	0.19
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	11	0.19
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	11	0.19
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	11	0.19
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	11	0.19
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	13	0.19
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	13	0.19
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	13	0.19
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	13	0.19
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	13	0.19
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	13	0.19
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	2	0.19
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	8	0.19
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	8	0.19
(1,917)	1:450:A:PHE:HB3	1:451:A:VAL:HA	16	0.19
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	2	0.19
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	2	0.19
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	2	0.19
(1,896)	1:470:A:GLN:HG2	1:471:A:ILE:HA	8	0.19
(1,896)	1:470:A:GLN:HG3	1:471:A:ILE:HA	8	0.19
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	2	0.19
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	2	0.19
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	2	0.19
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	7	0.19
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	7	0.19
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	7	0.19
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	15	0.19
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	15	0.19
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	15	0.19
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB2	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB3	10	0.19
(1,865)	1:430:A:ASN:HB2	1:454:A:ASP:HB2	12	0.19
(1,865)	1:430:A:ASN:HB3	1:454:A:ASP:HB2	12	0.19
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	20	0.19
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	4	0.19
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	4	0.19
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	4	0.19
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	4	0.19
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	4	0.19
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	4	0.19
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	8	0.19
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	8	0.19
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	8	0.19
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	19	0.19
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	19	0.19
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	19	0.19
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	14	0.19
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	14	0.19
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	14	0.19
(1,832)	1:443:A:ASN:HB2	1:444:A:LEU:H	17	0.19
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	13	0.19
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	13	0.19
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	4	0.19
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	4	0.19
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	4	0.19
(1,806)	1:463:A:ILE:HB	1:467:A:ASN:HB3	3	0.19
(1,793)	1:422:A:LEU:HA	1:425:A:PHE:HB3	15	0.19
(1,789)	1:485:A:ASN:HB3	1:486:A:ASP:H	16	0.19
(1,784)	1:436:A:VAL:HA	1:449:A:GLY:HA3	7	0.19
(1,773)	1:409:A:ILE:HD11	1:450:A:PHE:HA	16	0.19
(1,773)	1:409:A:ILE:HD12	1:450:A:PHE:HA	16	0.19
(1,773)	1:409:A:ILE:HD13	1:450:A:PHE:HA	16	0.19
(1,773)	1:409:A:ILE:HD11	1:450:A:PHE:HA	20	0.19
(1,773)	1:409:A:ILE:HD12	1:450:A:PHE:HA	20	0.19
(1,773)	1:409:A:ILE:HD13	1:450:A:PHE:HA	20	0.19
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	15	0.19
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	15	0.19
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	15	0.19
(1,767)	1:409:A:ILE:HD11	1:449:A:GLY:H	2	0.19
(1,767)	1:409:A:ILE:HD12	1:449:A:GLY:H	2	0.19
(1,767)	1:409:A:ILE:HD13	1:449:A:GLY:H	2	0.19
(1,767)	1:409:A:ILE:HD11	1:449:A:GLY:H	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,767)	1:409:A:ILE:HD12	1:449:A:GLY:H	18	0.19
(1,767)	1:409:A:ILE:HD13	1:449:A:GLY:H	18	0.19
(1,762)	1:489:A:PRO:HG2	1:490:A:TYR:HB2	6	0.19
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG11	11	0.19
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG12	11	0.19
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG13	11	0.19
(1,753)	1:402:A:PRO:HA	1:404:A:GLY:H	11	0.19
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB1	3	0.19
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB2	3	0.19
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB3	3	0.19
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	18	0.19
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	2	0.19
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	11	0.19
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	14	0.19
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	3	0.19
(1,735)	1:412:A:LEU:HB3	1:416:A:PHE:HB3	2	0.19
(1,735)	1:412:A:LEU:HB3	1:416:A:PHE:HB3	10	0.19
(1,734)	1:416:A:PHE:HB3	1:421:A:ILE:HB	4	0.19
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	7	0.19
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	16	0.19
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	18	0.19
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	19	0.19
(1,729)	1:432:A:ILE:HA	1:453:A:TYR:HA	7	0.19
(1,729)	1:432:A:ILE:HA	1:453:A:TYR:HA	8	0.19
(1,729)	1:432:A:ILE:HA	1:453:A:TYR:HA	12	0.19
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG21	3	0.19
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG22	3	0.19
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG23	3	0.19
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG21	3	0.19
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG22	3	0.19
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG23	3	0.19
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	7	0.19
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	7	0.19
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	7	0.19
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	7	0.19
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	7	0.19
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	7	0.19
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	8	0.19
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	8	0.19
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	8	0.19
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	8	0.19
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	8	0.19
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	17	0.19
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	17	0.19
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	17	0.19
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	17	0.19
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	17	0.19
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	17	0.19
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	9	0.19
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	9	0.19
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	9	0.19
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	4	0.19
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	4	0.19
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	4	0.19
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	10	0.19
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	10	0.19
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	10	0.19
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	19	0.19
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	19	0.19
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	19	0.19
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG21	4	0.19
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG22	4	0.19
(1,685)	1:413:A:PRO:HG2	1:471:A:ILE:HG23	4	0.19
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	1	0.19
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	1	0.19
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	1	0.19
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	9	0.19
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	9	0.19
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	9	0.19
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	15	0.19
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	15	0.19
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	15	0.19
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	2	0.19
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	1	0.19
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	6	0.19
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	6	0.19
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	6	0.19
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	17	0.19
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	17	0.19
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	17	0.19
(1,642)	1:463:A:ILE:HG21	1:464:A:GLN:H	19	0.19
(1,642)	1:463:A:ILE:HG22	1:464:A:GLN:H	19	0.19
(1,642)	1:463:A:ILE:HG23	1:464:A:GLN:H	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG21	5	0.19
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG22	5	0.19
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG23	5	0.19
(1,634)	1:488:A:LYS:HB2	1:489:A:PRO:HA	9	0.19
(1,634)	1:488:A:LYS:HB3	1:489:A:PRO:HA	9	0.19
(1,634)	1:488:A:LYS:HB2	1:489:A:PRO:HA	16	0.19
(1,634)	1:488:A:LYS:HB3	1:489:A:PRO:HA	16	0.19
(1,626)	1:444:A:LEU:HB3	1:445:A:SER:HB3	10	0.19
(1,625)	1:466:A:MET:HG2	1:469:A:PHE:HB2	6	0.19
(1,625)	1:466:A:MET:HG3	1:469:A:PHE:HB2	6	0.19
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	4	0.19
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	4	0.19
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	4	0.19
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	8	0.19
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	8	0.19
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	8	0.19
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	7	0.19
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	7	0.19
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	7	0.19
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	4	0.19
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	4	0.19
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	19	0.19
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	19	0.19
(1,597)	1:469:A:PHE:HB2	1:476:A:LEU:HG	17	0.19
(1,594)	1:468:A:GLY:HA2	1:469:A:PHE:HB3	6	0.19
(1,594)	1:468:A:GLY:HA2	1:469:A:PHE:HB3	8	0.19
(1,588)	1:416:A:PHE:HB3	1:421:A:ILE:HG21	20	0.19
(1,588)	1:416:A:PHE:HB3	1:421:A:ILE:HG22	20	0.19
(1,588)	1:416:A:PHE:HB3	1:421:A:ILE:HG23	20	0.19
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB2	2	0.19
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB3	2	0.19
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB2	2	0.19
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB3	2	0.19
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB2	2	0.19
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB3	2	0.19
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB2	5	0.19
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB3	5	0.19
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB2	5	0.19
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB3	5	0.19
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB2	5	0.19
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB3	5	0.19
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB2	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB3	7	0.19
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB2	7	0.19
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB3	7	0.19
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB2	7	0.19
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB3	7	0.19
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB2	13	0.19
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB3	13	0.19
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB2	13	0.19
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB3	13	0.19
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB2	13	0.19
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB3	13	0.19
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB2	15	0.19
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB3	15	0.19
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB2	15	0.19
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB3	15	0.19
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB2	15	0.19
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB3	15	0.19
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	6	0.19
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	6	0.19
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	6	0.19
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	12	0.19
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	12	0.19
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	12	0.19
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB1	14	0.19
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB2	14	0.19
(1,574)	1:456:A:PRO:HB3	1:459:A:ALA:HB3	14	0.19
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	19	0.19
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	19	0.19
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	19	0.19
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	19	0.19
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	19	0.19
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	19	0.19
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	19	0.19
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	19	0.19
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	19	0.19
(1,568)	1:418:A:ASP:HA	1:421:A:ILE:HG21	9	0.19
(1,568)	1:418:A:ASP:HA	1:421:A:ILE:HG22	9	0.19
(1,568)	1:418:A:ASP:HA	1:421:A:ILE:HG23	9	0.19
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG21	13	0.19
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG22	13	0.19
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG23	13	0.19
(1,562)	1:421:A:ILE:HG21	1:435:A:LYS:H	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:421:A:ILE:HG22	1:435:A:LYS:H	2	0.19
(1,562)	1:421:A:ILE:HG23	1:435:A:LYS:H	2	0.19
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	12	0.19
(1,547)	1:420:A:ASP:HB2	1:421:A:ILE:HA	3	0.19
(1,545)	1:416:A:PHE:HD1	1:421:A:ILE:HA	9	0.19
(1,545)	1:416:A:PHE:HD2	1:421:A:ILE:HA	9	0.19
(1,535)	1:455:A:ASN:HB3	1:456:A:PRO:HD3	9	0.19
(1,532)	1:455:A:ASN:HB2	1:457:A:VAL:HB	3	0.19
(1,524)	1:406:A:ASN:H	1:456:A:PRO:HA	4	0.19
(1,524)	1:406:A:ASN:H	1:456:A:PRO:HA	13	0.19
(1,514)	1:435:A:LYS:HE2	1:439:A:ASP:HB2	5	0.19
(1,514)	1:435:A:LYS:HE3	1:439:A:ASP:HB2	5	0.19
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	11	0.19
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	11	0.19
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	11	0.19
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	11	0.19
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	11	0.19
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	11	0.19
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	11	0.19
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	11	0.19
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	11	0.19
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	11	0.19
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	11	0.19
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	11	0.19
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	17	0.19
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	17	0.19
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	17	0.19
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	17	0.19
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	17	0.19
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	17	0.19
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	17	0.19
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	17	0.19
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	17	0.19
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	17	0.19
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	17	0.19
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	17	0.19
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE2	3	0.19
(1,496)	1:439:A:ASP:HA	1:440:A:LYS:HE3	3	0.19
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE2	12	0.19
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE3	12	0.19
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	5	0.19
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	5	0.19
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	5	0.19
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	5	0.19
(1,486)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	5	0.19
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE2	18	0.19
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE3	18	0.19
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	15	0.19
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	15	0.19
(1,467)	1:412:A:LEU:HB3	1:449:A:GLY:HA3	18	0.19
(1,467)	1:412:A:LEU:HB3	1:449:A:GLY:HA3	20	0.19
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD2	20	0.19
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD3	20	0.19
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB2	6	0.19
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB3	6	0.19
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB2	6	0.19
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB3	6	0.19
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB2	6	0.19
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB3	6	0.19
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	4	0.19
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	4	0.19
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	5	0.19
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	5	0.19
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	10	0.19
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	10	0.19
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	12	0.19
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	12	0.19
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	13	0.19
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	13	0.19
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	14	0.19
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	14	0.19
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	19	0.19
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	19	0.19
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	17	0.19
(1,441)	1:433:A:SER:HB3	1:452:A:SER:HB3	10	0.19
(1,437)	1:433:A:SER:HB3	1:452:A:SER:H	7	0.19
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	8	0.19
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	8	0.19
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	8	0.19
(1,425)	1:433:A:SER:HB2	1:434:A:ALA:HA	2	0.19
(1,424)	1:408:A:PHE:HE1	1:433:A:SER:HB2	10	0.19
(1,424)	1:408:A:PHE:HE2	1:433:A:SER:HB2	10	0.19
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB2	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB3	10	0.19
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB2	10	0.19
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB3	10	0.19
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB2	10	0.19
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB3	10	0.19
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB2	12	0.19
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB3	12	0.19
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB2	12	0.19
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB3	12	0.19
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB2	12	0.19
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB3	12	0.19
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	1	0.19
(1,369)	1:401:A:GLY:H	1:452:A:SER:HB2	3	0.19
(1,368)	1:432:A:ILE:HB	1:452:A:SER:HB2	15	0.19
(1,368)	1:432:A:ILE:HB	1:452:A:SER:HB2	17	0.19
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	1	0.19
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	1	0.19
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	1	0.19
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	1	0.19
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	9	0.19
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	9	0.19
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	9	0.19
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	14	0.19
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	14	0.19
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	14	0.19
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	15	0.19
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	15	0.19
(1,348)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	15	0.19
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	6	0.19
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	6	0.19
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	6	0.19
(1,341)	1:444:A:LEU:HB2	1:445:A:SER:HB2	18	0.19
(1,341)	1:444:A:LEU:HB2	1:445:A:SER:HB2	20	0.19
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	4	0.19
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	4	0.19
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	4	0.19
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	1	0.19
(1,319)	1:433:A:SER:HB2	1:450:A:PHE:HB2	6	0.19
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	11	0.19
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	11	0.19
(1,293)	1:436:A:VAL:HG11	1:449:A:GLY:HA2	7	0.19
(1,293)	1:436:A:VAL:HG12	1:449:A:GLY:HA2	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,293)	1:436:A:VAL:HG13	1:449:A:GLY:HA2	7	0.19
(1,293)	1:436:A:VAL:HG11	1:449:A:GLY:HA2	16	0.19
(1,293)	1:436:A:VAL:HG12	1:449:A:GLY:HA2	16	0.19
(1,293)	1:436:A:VAL:HG13	1:449:A:GLY:HA2	16	0.19
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	15	0.19
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	15	0.19
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	15	0.19
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG11	17	0.19
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG12	17	0.19
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG13	17	0.19
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG11	17	0.19
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG12	17	0.19
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG13	17	0.19
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG11	17	0.19
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG12	17	0.19
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG13	17	0.19
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	6	0.19
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	6	0.19
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	6	0.19
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	2	0.19
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	2	0.19
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	2	0.19
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	5	0.19
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	5	0.19
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	5	0.19
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	17	0.19
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	17	0.19
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	17	0.19
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	13	0.19
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	13	0.19
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	13	0.19
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG21	3	0.19
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG22	3	0.19
(1,225)	1:450:A:PHE:H	1:451:A:VAL:HG23	3	0.19
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE1	14	0.19
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE2	14	0.19
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG21	6	0.19
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG22	6	0.19
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG23	6	0.19
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG21	6	0.19
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG22	6	0.19
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG23	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,204)	1:457:A:VAL:HG11	1:459:A:ALA:H	6	0.19
(1,204)	1:457:A:VAL:HG12	1:459:A:ALA:H	6	0.19
(1,204)	1:457:A:VAL:HG13	1:459:A:ALA:H	6	0.19
(1,204)	1:457:A:VAL:HG21	1:459:A:ALA:H	6	0.19
(1,204)	1:457:A:VAL:HG22	1:459:A:ALA:H	6	0.19
(1,204)	1:457:A:VAL:HG23	1:459:A:ALA:H	6	0.19
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	2	0.19
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	2	0.19
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	2	0.19
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	2	0.19
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	2	0.19
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	2	0.19
(1,184)	1:404:A:GLY:HA3	1:456:A:PRO:HB2	11	0.19
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	1	0.19
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	1	0.19
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	1	0.19
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	2	0.19
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	2	0.19
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	2	0.19
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	4	0.19
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	4	0.19
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	4	0.19
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	13	0.19
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	13	0.19
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	13	0.19
(1,169)	1:457:A:VAL:HG11	1:460:A:GLN:HE21	11	0.19
(1,169)	1:457:A:VAL:HG12	1:460:A:GLN:HE21	11	0.19
(1,169)	1:457:A:VAL:HG13	1:460:A:GLN:HE21	11	0.19
(1,169)	1:457:A:VAL:HG21	1:460:A:GLN:HE21	11	0.19
(1,169)	1:457:A:VAL:HG22	1:460:A:GLN:HE21	11	0.19
(1,169)	1:457:A:VAL:HG23	1:460:A:GLN:HE21	11	0.19
(1,158)	1:407:A:LEU:HB3	1:451:A:VAL:H	4	0.19
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	20	0.19
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	20	0.19
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	20	0.19
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	20	0.19
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	20	0.19
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	20	0.19
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	20	0.19
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	20	0.19
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	20	0.19
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	20	0.19
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	20	0.19
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	2	0.19
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	2	0.19
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	2	0.19
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	2	0.19
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	2	0.19
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	2	0.19
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD11	8	0.19
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD12	8	0.19
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD13	8	0.19
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD21	8	0.19
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD22	8	0.19
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD23	8	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	5	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	5	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	5	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	5	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	5	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	5	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	15	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	15	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	15	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	15	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	15	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	15	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	19	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	19	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	19	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	19	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	19	0.19
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	19	0.19
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	5	0.19
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	5	0.19
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	5	0.19
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	5	0.19
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	5	0.19
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	5	0.19
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	5	0.19
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	5	0.19
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	5	0.19
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	5	0.19
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	5	0.19
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	5	0.19
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	5	0.19
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	5	0.19
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	5	0.19
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	5	0.19
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	5	0.19
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	16	0.19
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	16	0.19
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	16	0.19
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	16	0.19
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	16	0.19
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	16	0.19
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	16	0.19
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	16	0.19
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	16	0.19
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	16	0.19
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	16	0.19
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	16	0.19
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	16	0.19
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	16	0.19
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	16	0.19
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	16	0.19
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	16	0.19
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	16	0.19
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	4	0.19
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	4	0.19
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	4	0.19
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	4	0.19
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	4	0.19
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	4	0.19
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	4	0.19
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	4	0.19
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	4	0.19
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	4	0.19
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	4	0.19
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	4	0.19
(1,117)	1:442:A:THR:HG21	1:444:A:LEU:HG	18	0.19
(1,117)	1:442:A:THR:HG22	1:444:A:LEU:HG	18	0.19
(1,117)	1:442:A:THR:HG23	1:444:A:LEU:HG	18	0.19
(1,116)	1:422:A:LEU:HD11	1:451:A:VAL:HG11	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,116)	1:422:A:LEU:HD11	1:451:A:VAL:HG12	19	0.19
(1,116)	1:422:A:LEU:HD11	1:451:A:VAL:HG13	19	0.19
(1,116)	1:422:A:LEU:HD12	1:451:A:VAL:HG11	19	0.19
(1,116)	1:422:A:LEU:HD12	1:451:A:VAL:HG12	19	0.19
(1,116)	1:422:A:LEU:HD12	1:451:A:VAL:HG13	19	0.19
(1,116)	1:422:A:LEU:HD13	1:451:A:VAL:HG11	19	0.19
(1,116)	1:422:A:LEU:HD13	1:451:A:VAL:HG12	19	0.19
(1,116)	1:422:A:LEU:HD13	1:451:A:VAL:HG13	19	0.19
(1,116)	1:422:A:LEU:HD21	1:451:A:VAL:HG11	19	0.19
(1,116)	1:422:A:LEU:HD21	1:451:A:VAL:HG12	19	0.19
(1,116)	1:422:A:LEU:HD21	1:451:A:VAL:HG13	19	0.19
(1,116)	1:422:A:LEU:HD22	1:451:A:VAL:HG11	19	0.19
(1,116)	1:422:A:LEU:HD22	1:451:A:VAL:HG12	19	0.19
(1,116)	1:422:A:LEU:HD22	1:451:A:VAL:HG13	19	0.19
(1,116)	1:422:A:LEU:HD23	1:451:A:VAL:HG11	19	0.19
(1,116)	1:422:A:LEU:HD23	1:451:A:VAL:HG12	19	0.19
(1,116)	1:422:A:LEU:HD23	1:451:A:VAL:HG13	19	0.19
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	5	0.19
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	5	0.19
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	5	0.19
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	18	0.19
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	18	0.19
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	18	0.19
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	15	0.19
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	15	0.19
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	15	0.19
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	15	0.19
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	15	0.19
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	15	0.19
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	6	0.19
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	6	0.19
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	6	0.19
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	6	0.19
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	6	0.19
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	6	0.19
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	13	0.19
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	13	0.19
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	13	0.19
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	13	0.19
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	13	0.19
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	13	0.19
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD11	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD12	15	0.19
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD13	15	0.19
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD21	15	0.19
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD22	15	0.19
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD23	15	0.19
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG2	2	0.19
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG3	2	0.19
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG2	3	0.19
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG3	3	0.19
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	16	0.19
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	16	0.19
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	19	0.19
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	19	0.19
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	10	0.19
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	10	0.19
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	10	0.19
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	10	0.19
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	10	0.19
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	10	0.19
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	10	0.19
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	10	0.19
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	10	0.19
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	10	0.19
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	10	0.19
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	10	0.19
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	10	0.19
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	10	0.19
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	10	0.19
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	10	0.19
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	10	0.19
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	10	0.19
(1,50)	1:407:A:LEU:HD11	1:408:A:PHE:H	4	0.19
(1,50)	1:407:A:LEU:HD12	1:408:A:PHE:H	4	0.19
(1,50)	1:407:A:LEU:HD13	1:408:A:PHE:H	4	0.19
(1,50)	1:407:A:LEU:HD21	1:408:A:PHE:H	4	0.19
(1,50)	1:407:A:LEU:HD22	1:408:A:PHE:H	4	0.19
(1,50)	1:407:A:LEU:HD23	1:408:A:PHE:H	4	0.19
(1,37)	1:469:A:PHE:HB3	1:476:A:LEU:HG	8	0.19
(1,27)	1:402:A:PRO:HD3	1:455:A:ASN:HA	8	0.19
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB1	4	0.19
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB2	4	0.19
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB3	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB1	7	0.19
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB2	7	0.19
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB3	7	0.19
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	4	0.19
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	18	0.19
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	18	0.19
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	18	0.19
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	8	0.19
(1,2433)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	9	0.18
(1,2433)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	9	0.18
(1,2433)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	9	0.18
(1,2433)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	9	0.18
(1,2433)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	9	0.18
(1,2433)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	9	0.18
(1,2433)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	9	0.18
(1,2433)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	9	0.18
(1,2433)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	9	0.18
(1,2433)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	9	0.18
(1,2433)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	9	0.18
(1,2433)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	9	0.18
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	5	0.18
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	5	0.18
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	5	0.18
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	5	0.18
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	5	0.18
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	5	0.18
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	19	0.18
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	19	0.18
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	19	0.18
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	19	0.18
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	19	0.18
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	19	0.18
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	6	0.18
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	6	0.18
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	6	0.18
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	6	0.18
(1,2426)	1:453:A:TYR:HA	1:453:A:TYR:HE1	18	0.18
(1,2426)	1:453:A:TYR:HA	1:453:A:TYR:HE2	18	0.18
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	14	0.18
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	14	0.18
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	14	0.18
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	14	0.18
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	14	0.18
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD1	8	0.18
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD2	8	0.18
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD1	8	0.18
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD2	8	0.18
(1,2403)	1:416:A:PHE:HE1	1:425:A:PHE:HE1	3	0.18
(1,2403)	1:416:A:PHE:HE1	1:425:A:PHE:HE2	3	0.18
(1,2403)	1:416:A:PHE:HE2	1:425:A:PHE:HE1	3	0.18
(1,2403)	1:416:A:PHE:HE2	1:425:A:PHE:HE2	3	0.18
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG12	1	0.18
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG13	1	0.18
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG12	1	0.18
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG13	1	0.18
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	1	0.18
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	1	0.18
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	19	0.18
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	19	0.18
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	11	0.18
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	11	0.18
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	11	0.18
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	11	0.18
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	11	0.18
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	11	0.18
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	11	0.18
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	11	0.18
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	11	0.18
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	11	0.18
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	11	0.18
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	11	0.18
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD1	20	0.18
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD2	20	0.18
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	5	0.18
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	5	0.18
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	5	0.18
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	5	0.18
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	5	0.18
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	5	0.18
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	11	0.18
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	11	0.18
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	11	0.18
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	11	0.18
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	11	0.18
(1,2366)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	5	0.18
(1,2366)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	5	0.18
(1,2366)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	5	0.18
(1,2366)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	5	0.18
(1,2366)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	5	0.18
(1,2366)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	5	0.18
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	8	0.18
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	8	0.18
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	8	0.18
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	8	0.18
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	8	0.18
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	8	0.18
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	8	0.18
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	8	0.18
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	8	0.18
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	8	0.18
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	8	0.18
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	8	0.18
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD1	6	0.18
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD2	6	0.18
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD1	6	0.18
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD2	6	0.18
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD1	6	0.18
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD2	6	0.18
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD1	6	0.18
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD2	6	0.18
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD1	6	0.18
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD2	6	0.18
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD1	6	0.18
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD2	6	0.18
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	4	0.18
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	4	0.18
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD1	14	0.18
(1,2341)	1:410:A:TYR:HA	1:448:A:PHE:HD2	14	0.18
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	1	0.18
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	1	0.18
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	1	0.18
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	1	0.18
(1,2308)	1:401:A:GLY:H	1:402:A:PRO:HD2	16	0.18
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE1	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2304)	1:398:A:GLN:HE22	1:450:A:PHE:HE2	19	0.18
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	2	0.18
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	13	0.18
(1,2287)	1:470:A:GLN:HB2	1:470:A:GLN:HE22	16	0.18
(1,2285)	1:463:A:ILE:HG21	1:464:A:GLN:HE21	5	0.18
(1,2285)	1:463:A:ILE:HG22	1:464:A:GLN:HE21	5	0.18
(1,2285)	1:463:A:ILE:HG23	1:464:A:GLN:HE21	5	0.18
(1,2284)	1:422:A:LEU:HB2	1:423:A:GLN:HE21	9	0.18
(1,2284)	1:422:A:LEU:HB2	1:423:A:GLN:HE21	19	0.18
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	2	0.18
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	2	0.18
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	2	0.18
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB2	16	0.18
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB3	16	0.18
(1,2260)	1:410:A:TYR:HD1	1:411:A:HIS:H	3	0.18
(1,2260)	1:410:A:TYR:HD2	1:411:A:HIS:H	3	0.18
(1,2244)	1:444:A:LEU:HD11	1:479:A:GLN:HE22	14	0.18
(1,2244)	1:444:A:LEU:HD12	1:479:A:GLN:HE22	14	0.18
(1,2244)	1:444:A:LEU:HD13	1:479:A:GLN:HE22	14	0.18
(1,2244)	1:444:A:LEU:HD21	1:479:A:GLN:HE22	14	0.18
(1,2244)	1:444:A:LEU:HD22	1:479:A:GLN:HE22	14	0.18
(1,2244)	1:444:A:LEU:HD23	1:479:A:GLN:HE22	14	0.18
(1,2242)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	12	0.18
(1,2242)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	16	0.18
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	4	0.18
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	4	0.18
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	4	0.18
(1,2237)	1:404:A:GLY:H	1:406:A:ASN:HD21	9	0.18
(1,2237)	1:404:A:GLY:H	1:406:A:ASN:HD21	12	0.18
(1,2233)	1:484:A:LYS:HG2	1:485:A:ASN:HD22	17	0.18
(1,2233)	1:484:A:LYS:HG3	1:485:A:ASN:HD22	17	0.18
(1,2206)	1:430:A:ASN:H	1:430:A:ASN:HD21	10	0.18
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG11	1	0.18
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG12	1	0.18
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG13	1	0.18
(1,2204)	1:398:A:GLN:HB2	1:433:A:SER:H	14	0.18
(1,2204)	1:398:A:GLN:HB3	1:433:A:SER:H	14	0.18
(1,2170)	1:455:A:ASN:HD21	1:458:A:SER:HB3	17	0.18
(1,2164)	1:455:A:ASN:HD22	1:457:A:VAL:HB	10	0.18
(1,2164)	1:455:A:ASN:HD22	1:457:A:VAL:HB	17	0.18
(1,2164)	1:455:A:ASN:HD22	1:457:A:VAL:HB	18	0.18
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	6	0.18
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	6	0.18
(1,2125)	1:420:A:ASP:HA	1:423:A:GLN:H	5	0.18
(1,2105)	1:420:A:ASP:HB3	1:421:A:ILE:H	11	0.18
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	10	0.18
(1,2093)	1:464:A:GLN:H	1:465:A:ALA:H	6	0.18
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	15	0.18
(1,2083)	1:463:A:ILE:HB	1:465:A:ALA:H	18	0.18
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	10	0.18
(1,2069)	1:417:A:GLY:H	1:420:A:ASP:H	9	0.18
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	15	0.18
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	2	0.18
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	9	0.18
(1,2017)	1:461:A:ALA:HA	1:463:A:ILE:H	17	0.18
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	14	0.18
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG21	11	0.18
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG22	11	0.18
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG23	11	0.18
(1,2014)	1:407:A:LEU:HB2	1:408:A:PHE:H	16	0.18
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	3	0.18
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	11	0.18
(1,2000)	1:403:A:GLU:H	1:403:A:GLU:HB2	12	0.18
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	19	0.18
(1,1989)	1:433:A:SER:H	1:452:A:SER:H	4	0.18
(1,1979)	1:474:A:LYS:HG2	1:475:A:ARG:H	2	0.18
(1,1979)	1:474:A:LYS:HG2	1:475:A:ARG:H	11	0.18
(1,1979)	1:474:A:LYS:HG2	1:475:A:ARG:H	15	0.18
(1,1975)	1:470:A:GLN:HG2	1:475:A:ARG:H	2	0.18
(1,1975)	1:470:A:GLN:HG3	1:475:A:ARG:H	2	0.18
(1,1975)	1:470:A:GLN:HG2	1:475:A:ARG:H	9	0.18
(1,1975)	1:470:A:GLN:HG3	1:475:A:ARG:H	9	0.18
(1,1974)	1:411:A:HIS:HB3	1:475:A:ARG:H	12	0.18
(1,1974)	1:411:A:HIS:HB3	1:475:A:ARG:H	14	0.18
(1,1966)	1:403:A:GLU:HA	1:405:A:ALA:H	19	0.18
(1,1960)	1:436:A:VAL:HA	1:450:A:PHE:H	14	0.18
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	19	0.18
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE1	1	0.18
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE2	1	0.18
(1,1944)	1:456:A:PRO:HD2	1:457:A:VAL:H	7	0.18
(1,1944)	1:456:A:PRO:HD2	1:457:A:VAL:H	13	0.18
(1,1944)	1:456:A:PRO:HD2	1:457:A:VAL:H	16	0.18
(1,1937)	1:409:A:ILE:H	1:450:A:PHE:HA	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1936)	1:486:A:ASP:H	1:486:A:ASP:HB2	3	0.18
(1,1936)	1:486:A:ASP:H	1:486:A:ASP:HB2	12	0.18
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	19	0.18
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	19	0.18
(1,1930)	1:435:A:LYS:H	1:450:A:PHE:HB3	5	0.18
(1,1922)	1:452:A:SER:HB3	1:453:A:TYR:H	4	0.18
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	3	0.18
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	11	0.18
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	19	0.18
(1,1914)	1:399:A:LYS:HB2	1:400:A:GLU:H	3	0.18
(1,1914)	1:399:A:LYS:HB3	1:400:A:GLU:H	3	0.18
(1,1911)	1:400:A:GLU:H	1:433:A:SER:HB3	4	0.18
(1,1906)	1:435:A:LYS:HE2	1:438:A:ILE:H	2	0.18
(1,1906)	1:435:A:LYS:HE3	1:438:A:ILE:H	2	0.18
(1,1891)	1:428:A:PHE:HB3	1:462:A:ALA:H	11	0.18
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	1	0.18
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	2	0.18
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	4	0.18
(1,1886)	1:428:A:PHE:HD1	1:462:A:ALA:H	10	0.18
(1,1886)	1:428:A:PHE:HD2	1:462:A:ALA:H	10	0.18
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	4	0.18
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	7	0.18
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	17	0.18
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	19	0.18
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	17	0.18
(1,1844)	1:480:A:LEU:H	1:480:A:LEU:HG	12	0.18
(1,1842)	1:479:A:GLN:HA	1:480:A:LEU:H	13	0.18
(1,1839)	1:470:A:GLN:HA	1:476:A:LEU:H	7	0.18
(1,1831)	1:407:A:LEU:H	1:453:A:TYR:H	5	0.18
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG21	11	0.18
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG22	11	0.18
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG23	11	0.18
(1,1826)	1:410:A:TYR:H	1:476:A:LEU:HA	3	0.18
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	7	0.18
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	7	0.18
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	7	0.18
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB2	2	0.18
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB3	2	0.18
(1,1816)	1:469:A:PHE:H	1:469:A:PHE:HB3	20	0.18
(1,1806)	1:489:A:PRO:HG2	1:490:A:TYR:H	20	0.18
(1,1801)	1:410:A:TYR:HB2	1:477:A:LYS:H	9	0.18
(1,1794)	1:407:A:LEU:HD11	1:479:A:GLN:H	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:407:A:LEU:HD12	1:479:A:GLN:H	9	0.18
(1,1794)	1:407:A:LEU:HD13	1:479:A:GLN:H	9	0.18
(1,1794)	1:407:A:LEU:HD21	1:479:A:GLN:H	9	0.18
(1,1794)	1:407:A:LEU:HD22	1:479:A:GLN:H	9	0.18
(1,1794)	1:407:A:LEU:HD23	1:479:A:GLN:H	9	0.18
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	1	0.18
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	4	0.18
(1,1787)	1:451:A:VAL:H	1:452:A:SER:H	13	0.18
(1,1786)	1:409:A:ILE:HA	1:477:A:LYS:H	11	0.18
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	7	0.18
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	8	0.18
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	7	0.18
(1,1768)	1:414:A:GLN:H	1:474:A:LYS:HD2	6	0.18
(1,1768)	1:414:A:GLN:H	1:474:A:LYS:HD3	6	0.18
(1,1768)	1:414:A:GLN:H	1:474:A:LYS:HD2	9	0.18
(1,1768)	1:414:A:GLN:H	1:474:A:LYS:HD3	9	0.18
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	11	0.18
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	15	0.18
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	17	0.18
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	2	0.18
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	12	0.18
(1,1723)	1:431:A:VAL:H	1:432:A:ILE:H	16	0.18
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG21	20	0.18
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG22	20	0.18
(1,1722)	1:431:A:VAL:H	1:431:A:VAL:HG23	20	0.18
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	4	0.18
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	4	0.18
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	3	0.18
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	3	0.18
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	3	0.18
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	3	0.18
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB2	2	0.18
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB3	2	0.18
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	13	0.18
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	13	0.18
(1,1686)	1:422:A:LEU:HG	1:423:A:GLN:H	4	0.18
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	11	0.18
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	11	0.18
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	11	0.18
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	11	0.18
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	11	0.18
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	11	0.18
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	11	0.18
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	11	0.18
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	11	0.18
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	11	0.18
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	11	0.18
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	20	0.18
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	20	0.18
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	5	0.18
(1,1633)	1:405:A:ALA:HA	1:406:A:ASN:HD22	1	0.18
(1,1633)	1:405:A:ALA:HA	1:406:A:ASN:HD22	7	0.18
(1,1633)	1:405:A:ALA:HA	1:406:A:ASN:HD22	13	0.18
(1,1630)	1:405:A:ALA:HA	1:452:A:SER:HA	15	0.18
(1,1629)	1:405:A:ALA:HA	1:455:A:ASN:HA	2	0.18
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	4	0.18
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	6	0.18
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	9	0.18
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	13	0.18
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	14	0.18
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	6	0.18
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	6	0.18
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	6	0.18
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	6	0.18
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	6	0.18
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	6	0.18
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	9	0.18
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	9	0.18
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	9	0.18
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	9	0.18
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	9	0.18
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	9	0.18
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	13	0.18
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	13	0.18
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	13	0.18
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	13	0.18
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	13	0.18
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	13	0.18
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB2	18	0.18
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB3	18	0.18
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB2	18	0.18
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB3	18	0.18
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	3	0.18
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	4	0.18
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	4	0.18
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	8	0.18
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	8	0.18
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	17	0.18
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	17	0.18
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	4	0.18
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	4	0.18
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	4	0.18
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	3	0.18
(1,1572)	1:409:A:ILE:HG12	1:449:A:GLY:H	6	0.18
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	5	0.18
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	5	0.18
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	19	0.18
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	19	0.18
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	20	0.18
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	20	0.18
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	6	0.18
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	14	0.18
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	14	0.18
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	16	0.18
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	16	0.18
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	15	0.18
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	15	0.18
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD2	4	0.18
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD3	4	0.18
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD2	4	0.18
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD3	4	0.18
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD2	4	0.18
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD3	4	0.18
(1,1532)	1:440:A:LYS:HD2	1:441:A:GLN:HB2	2	0.18
(1,1532)	1:440:A:LYS:HD3	1:441:A:GLN:HB2	2	0.18
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	13	0.18
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	13	0.18
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	19	0.18
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	19	0.18
(1,1516)	1:398:A:GLN:HB2	1:435:A:LYS:H	1	0.18
(1,1516)	1:398:A:GLN:HB3	1:435:A:LYS:H	1	0.18
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	8	0.18
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	3	0.18
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	3	0.18
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	15	0.18
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	15	0.18
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	15	0.18
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	4	0.18
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	14	0.18
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	19	0.18
(1,1504)	1:402:A:PRO:HA	1:403:A:GLU:HB2	15	0.18
(1,1504)	1:402:A:PRO:HA	1:403:A:GLU:HB2	16	0.18
(1,1495)	1:406:A:ASN:HA	1:407:A:LEU:HB3	14	0.18
(1,1493)	1:406:A:ASN:HA	1:453:A:TYR:H	18	0.18
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	3	0.18
(1,1482)	1:481:A:LYS:H	1:481:A:LYS:HD3	13	0.18
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	15	0.18
(1,1462)	1:432:A:ILE:H	1:454:A:ASP:HA	16	0.18
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	4	0.18
(1,1449)	1:478:A:VAL:HB	1:479:A:GLN:HA	20	0.18
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	7	0.18
(1,1443)	1:439:A:ASP:HA	1:442:A:THR:H	14	0.18
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD11	18	0.18
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD12	18	0.18
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD13	18	0.18
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD21	18	0.18
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD22	18	0.18
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD23	18	0.18
(1,1433)	1:464:A:GLN:HG2	1:465:A:ALA:HA	6	0.18
(1,1433)	1:464:A:GLN:HG3	1:465:A:ALA:HA	6	0.18
(1,1428)	1:488:A:LYS:HA	1:489:A:PRO:HB2	16	0.18
(1,1428)	1:488:A:LYS:HA	1:489:A:PRO:HB3	16	0.18
(1,1418)	1:413:A:PRO:HB2	1:475:A:ARG:HA	5	0.18
(1,1418)	1:413:A:PRO:HB3	1:475:A:ARG:HA	5	0.18
(1,1418)	1:413:A:PRO:HB2	1:475:A:ARG:HA	6	0.18
(1,1418)	1:413:A:PRO:HB3	1:475:A:ARG:HA	6	0.18
(1,1418)	1:413:A:PRO:HB2	1:475:A:ARG:HA	16	0.18
(1,1418)	1:413:A:PRO:HB3	1:475:A:ARG:HA	16	0.18
(1,1417)	1:471:A:ILE:HB	1:475:A:ARG:HA	16	0.18
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	5	0.18
(1,1415)	1:488:A:LYS:HA	1:489:A:PRO:HG3	15	0.18
(1,1414)	1:400:A:GLU:HB2	1:401:A:GLY:HA3	8	0.18
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	10	0.18
(1,1396)	1:453:A:TYR:HD1	1:459:A:ALA:HA	5	0.18
(1,1396)	1:453:A:TYR:HD2	1:459:A:ALA:HA	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1391)	1:405:A:ALA:HA	1:459:A:ALA:HA	18	0.18
(1,1386)	1:461:A:ALA:HA	1:465:A:ALA:H	13	0.18
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	5	0.18
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	5	0.18
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	5	0.18
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	5	0.18
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	5	0.18
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	5	0.18
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	5	0.18
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	5	0.18
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	5	0.18
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	5	0.18
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	5	0.18
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	5	0.18
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	16	0.18
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	1	0.18
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	1	0.18
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	1	0.18
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	1	0.18
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	2	0.18
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	2	0.18
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	2	0.18
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	2	0.18
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	5	0.18
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	5	0.18
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	5	0.18
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	5	0.18
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD1	5	0.18
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD2	5	0.18
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD1	5	0.18
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD2	5	0.18
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	3	0.18
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	3	0.18
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	6	0.18
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	6	0.18
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	11	0.18
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	11	0.18
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	7	0.18
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	7	0.18
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	7	0.18
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	7	0.18
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	7	0.18
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	9	0.18
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	9	0.18
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	9	0.18
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	9	0.18
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	9	0.18
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	9	0.18
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	7	0.18
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	7	0.18
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	7	0.18
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	7	0.18
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	7	0.18
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	7	0.18
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	15	0.18
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	15	0.18
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	15	0.18
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	15	0.18
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	18	0.18
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	18	0.18
(1,1343)	1:426:A:MET:HG2	1:431:A:VAL:H	18	0.18
(1,1343)	1:426:A:MET:HG3	1:431:A:VAL:H	18	0.18
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG11	6	0.18
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG12	6	0.18
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG13	6	0.18
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG11	6	0.18
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG12	6	0.18
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG13	6	0.18
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG21	20	0.18
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG22	20	0.18
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG23	20	0.18
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG21	20	0.18
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG22	20	0.18
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG23	20	0.18
(1,1339)	1:426:A:MET:HG2	1:431:A:VAL:HB	18	0.18
(1,1339)	1:426:A:MET:HG3	1:431:A:VAL:HB	18	0.18
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	11	0.18
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	11	0.18
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	14	0.18
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	14	0.18
(1,1331)	1:466:A:MET:HB2	1:468:A:GLY:H	7	0.18
(1,1331)	1:466:A:MET:HB3	1:468:A:GLY:H	7	0.18
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	15	0.18
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	3	0.18
(1,1313)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	3	0.18
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	3	0.18
(1,1313)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	3	0.18
(1,1312)	1:472:A:GLY:HA2	1:473:A:MET:HG2	4	0.18
(1,1312)	1:472:A:GLY:HA2	1:473:A:MET:HG2	13	0.18
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	12	0.18
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	19	0.18
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	7	0.18
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	16	0.18
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD2	5	0.18
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD3	5	0.18
(1,1274)	1:456:A:PRO:HB2	1:457:A:VAL:H	3	0.18
(1,1274)	1:456:A:PRO:HB2	1:457:A:VAL:H	11	0.18
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	6	0.18
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	10	0.18
(1,1261)	1:400:A:GLU:HA	1:452:A:SER:HB3	16	0.18
(1,1242)	1:483:A:SER:HB2	1:484:A:LYS:HB3	13	0.18
(1,1242)	1:483:A:SER:HB3	1:484:A:LYS:HB3	13	0.18
(1,1238)	1:451:A:VAL:HG11	1:452:A:SER:HA	1	0.18
(1,1238)	1:451:A:VAL:HG12	1:452:A:SER:HA	1	0.18
(1,1238)	1:451:A:VAL:HG13	1:452:A:SER:HA	1	0.18
(1,1238)	1:451:A:VAL:HG11	1:452:A:SER:HA	15	0.18
(1,1238)	1:451:A:VAL:HG12	1:452:A:SER:HA	15	0.18
(1,1238)	1:451:A:VAL:HG13	1:452:A:SER:HA	15	0.18
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG21	8	0.18
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG22	8	0.18
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG23	8	0.18
(1,1228)	1:398:A:GLN:HG3	1:399:A:LYS:HA	9	0.18
(1,1228)	1:398:A:GLN:HG3	1:399:A:LYS:HA	16	0.18
(1,1224)	1:436:A:VAL:HB	1:449:A:GLY:HA3	1	0.18
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	15	0.18
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD11	12	0.18
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD12	12	0.18
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD13	12	0.18
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD21	12	0.18
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD22	12	0.18
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD23	12	0.18
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD11	12	0.18
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD12	12	0.18
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD13	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD21	12	0.18
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD22	12	0.18
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD23	12	0.18
(1,1183)	1:446:A:LYS:HA	1:448:A:PHE:HE1	6	0.18
(1,1183)	1:446:A:LYS:HA	1:448:A:PHE:HE2	6	0.18
(1,1181)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	13	0.18
(1,1181)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	13	0.18
(1,1171)	1:398:A:GLN:HG2	1:433:A:SER:HB3	17	0.18
(1,1168)	1:398:A:GLN:H	1:398:A:GLN:HG2	11	0.18
(1,1163)	1:479:A:GLN:HB2	1:480:A:LEU:H	4	0.18
(1,1163)	1:479:A:GLN:HB3	1:480:A:LEU:H	4	0.18
(1,1162)	1:460:A:GLN:HG2	1:463:A:ILE:HB	2	0.18
(1,1162)	1:460:A:GLN:HG3	1:463:A:ILE:HB	2	0.18
(1,1159)	1:398:A:GLN:HG3	1:433:A:SER:HB2	19	0.18
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	7	0.18
(1,1153)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	7	0.18
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB2	8	0.18
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB3	8	0.18
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB2	9	0.18
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB3	9	0.18
(1,1143)	1:408:A:PHE:HA	1:450:A:PHE:HA	17	0.18
(1,1136)	1:460:A:GLN:HG2	1:463:A:ILE:H	15	0.18
(1,1136)	1:460:A:GLN:HG3	1:463:A:ILE:H	15	0.18
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	4	0.18
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	18	0.18
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	20	0.18
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	6	0.18
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	7	0.18
(1,1108)	1:414:A:GLN:HG2	1:415:A:GLU:H	10	0.18
(1,1103)	1:479:A:GLN:HG2	1:480:A:LEU:H	2	0.18
(1,1103)	1:479:A:GLN:HG3	1:480:A:LEU:H	2	0.18
(1,1096)	1:463:A:ILE:HA	1:478:A:VAL:HB	13	0.18
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG21	13	0.18
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG22	13	0.18
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG23	13	0.18
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG21	18	0.18
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG22	18	0.18
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG23	18	0.18
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG21	19	0.18
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG22	19	0.18
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG23	19	0.18
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	19	0.18
(1,1082)	1:440:A:LYS:H	1:441:A:GLN:HG3	14	0.18
(1,1078)	1:440:A:LYS:HE2	1:441:A:GLN:HG3	6	0.18
(1,1078)	1:440:A:LYS:HE3	1:441:A:GLN:HG3	6	0.18
(1,1078)	1:440:A:LYS:HE2	1:441:A:GLN:HG3	13	0.18
(1,1078)	1:440:A:LYS:HE3	1:441:A:GLN:HG3	13	0.18
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	9	0.18
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	9	0.18
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	9	0.18
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	17	0.18
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	17	0.18
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	18	0.18
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB2	11	0.18
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB3	11	0.18
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	7	0.18
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	7	0.18
(1,1025)	1:419:A:GLN:HA	1:422:A:LEU:HG	12	0.18
(1,1021)	1:444:A:LEU:HD11	1:445:A:SER:HA	11	0.18
(1,1021)	1:444:A:LEU:HD12	1:445:A:SER:HA	11	0.18
(1,1021)	1:444:A:LEU:HD13	1:445:A:SER:HA	11	0.18
(1,1021)	1:444:A:LEU:HD21	1:445:A:SER:HA	11	0.18
(1,1021)	1:444:A:LEU:HD22	1:445:A:SER:HA	11	0.18
(1,1021)	1:444:A:LEU:HD23	1:445:A:SER:HA	11	0.18
(1,1021)	1:444:A:LEU:HD11	1:445:A:SER:HA	13	0.18
(1,1021)	1:444:A:LEU:HD12	1:445:A:SER:HA	13	0.18
(1,1021)	1:444:A:LEU:HD13	1:445:A:SER:HA	13	0.18
(1,1021)	1:444:A:LEU:HD21	1:445:A:SER:HA	13	0.18
(1,1021)	1:444:A:LEU:HD22	1:445:A:SER:HA	13	0.18
(1,1021)	1:444:A:LEU:HD23	1:445:A:SER:HA	13	0.18
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	4	0.18
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	4	0.18
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	5	0.18
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	5	0.18
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	9	0.18
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	9	0.18
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	10	0.18
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	10	0.18
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	11	0.18
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	11	0.18
(1,1018)	1:464:A:GLN:HA	1:467:A:ASN:HB3	13	0.18
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	14	0.18
(1,1009)	1:423:A:GLN:HA	1:423:A:GLN:HE21	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	3	0.18
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	17	0.18
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	19	0.18
(1,1002)	1:435:A:LYS:HE2	1:437:A:PHE:HA	5	0.18
(1,1002)	1:435:A:LYS:HE3	1:437:A:PHE:HA	5	0.18
(1,981)	1:432:A:ILE:HD11	1:452:A:SER:HB2	19	0.18
(1,981)	1:432:A:ILE:HD12	1:452:A:SER:HB2	19	0.18
(1,981)	1:432:A:ILE:HD13	1:452:A:SER:HB2	19	0.18
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	7	0.18
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	7	0.18
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	7	0.18
(1,971)	1:413:A:PRO:HA	1:414:A:GLN:HA	20	0.18
(1,970)	1:414:A:GLN:HA	1:474:A:LYS:HD2	8	0.18
(1,970)	1:414:A:GLN:HA	1:474:A:LYS:HD3	8	0.18
(1,964)	1:422:A:LEU:HA	1:434:A:ALA:HA	1	0.18
(1,964)	1:422:A:LEU:HA	1:434:A:ALA:HA	13	0.18
(1,964)	1:422:A:LEU:HA	1:434:A:ALA:HA	14	0.18
(1,960)	1:409:A:ILE:HA	1:410:A:TYR:HB2	6	0.18
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	7	0.18
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	7	0.18
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	7	0.18
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	7	0.18
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	20	0.18
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	20	0.18
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	20	0.18
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	20	0.18
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	10	0.18
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	10	0.18
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	5	0.18
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	5	0.18
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	5	0.18
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	5	0.18
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	5	0.18
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	5	0.18
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	8	0.18
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	8	0.18
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	8	0.18
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	8	0.18
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	8	0.18
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	8	0.18
(1,939)	1:408:A:PHE:HB3	1:409:A:ILE:HA	9	0.18
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE1	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,938)	1:435:A:LYS:HB2	1:450:A:PHE:HE2	16	0.18
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE1	16	0.18
(1,938)	1:435:A:LYS:HB3	1:450:A:PHE:HE2	16	0.18
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	1	0.18
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	1	0.18
(1,932)	1:400:A:GLU:HG2	1:452:A:SER:HB3	11	0.18
(1,927)	1:400:A:GLU:HG2	1:406:A:ASN:HB2	11	0.18
(1,926)	1:400:A:GLU:HG2	1:452:A:SER:HB2	18	0.18
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	16	0.18
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	16	0.18
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	16	0.18
(1,921)	1:400:A:GLU:HG3	1:452:A:SER:HB2	10	0.18
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	14	0.18
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	14	0.18
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	14	0.18
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	17	0.18
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	17	0.18
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	17	0.18
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD1	3	0.18
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD2	3	0.18
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD1	3	0.18
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD2	3	0.18
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD1	3	0.18
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD2	3	0.18
(1,898)	1:421:A:ILE:HD11	1:451:A:VAL:HB	16	0.18
(1,898)	1:421:A:ILE:HD12	1:451:A:VAL:HB	16	0.18
(1,898)	1:421:A:ILE:HD13	1:451:A:VAL:HB	16	0.18
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	17	0.18
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	17	0.18
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	17	0.18
(1,880)	1:463:A:ILE:HD11	1:479:A:GLN:H	7	0.18
(1,880)	1:463:A:ILE:HD12	1:479:A:GLN:H	7	0.18
(1,880)	1:463:A:ILE:HD13	1:479:A:GLN:H	7	0.18
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	10	0.18
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	8	0.18
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	8	0.18
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	8	0.18
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	8	0.18
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	8	0.18
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	8	0.18
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	20	0.18
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	20	0.18
(1,851)	1:399:A:LYS:HD2	1:432:A:ILE:HB	3	0.18
(1,851)	1:399:A:LYS:HD3	1:432:A:ILE:HB	3	0.18
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	13	0.18
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	20	0.18
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD11	13	0.18
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD12	13	0.18
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD13	13	0.18
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD21	13	0.18
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD22	13	0.18
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD23	13	0.18
(1,835)	1:442:A:THR:H	1:443:A:ASN:HB3	7	0.18
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	10	0.18
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	10	0.18
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	10	0.18
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	8	0.18
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	3	0.18
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	3	0.18
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	3	0.18
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	3	0.18
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	3	0.18
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	3	0.18
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	3	0.18
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	3	0.18
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	3	0.18
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	8	0.18
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	8	0.18
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	8	0.18
(1,778)	1:409:A:ILE:HD11	1:421:A:ILE:HG12	12	0.18
(1,778)	1:409:A:ILE:HD12	1:421:A:ILE:HG12	12	0.18
(1,778)	1:409:A:ILE:HD13	1:421:A:ILE:HG12	12	0.18
(1,778)	1:409:A:ILE:HD11	1:421:A:ILE:HG12	14	0.18
(1,778)	1:409:A:ILE:HD12	1:421:A:ILE:HG12	14	0.18
(1,778)	1:409:A:ILE:HD13	1:421:A:ILE:HG12	14	0.18
(1,773)	1:409:A:ILE:HD11	1:450:A:PHE:HA	11	0.18
(1,773)	1:409:A:ILE:HD12	1:450:A:PHE:HA	11	0.18
(1,773)	1:409:A:ILE:HD13	1:450:A:PHE:HA	11	0.18
(1,763)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	11	0.18
(1,763)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	11	0.18
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE1	4	0.18
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE2	4	0.18
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE1	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE2	18	0.18
(1,753)	1:402:A:PRO:HA	1:404:A:GLY:H	2	0.18
(1,753)	1:402:A:PRO:HA	1:404:A:GLY:H	17	0.18
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	12	0.18
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	9	0.18
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	13	0.18
(1,729)	1:432:A:ILE:HA	1:453:A:TYR:HA	18	0.18
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	17	0.18
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	20	0.18
(1,712)	1:430:A:ASN:H	1:458:A:SER:HB2	14	0.18
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG21	20	0.18
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG22	20	0.18
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG23	20	0.18
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG21	20	0.18
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG22	20	0.18
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG23	20	0.18
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	8	0.18
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	8	0.18
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	8	0.18
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	11	0.18
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	11	0.18
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	11	0.18
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	15	0.18
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	15	0.18
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	15	0.18
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	8	0.18
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	8	0.18
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	8	0.18
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	3	0.18
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	3	0.18
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	3	0.18
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	2	0.18
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	2	0.18
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	2	0.18
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	15	0.18
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	16	0.18
(1,668)	1:438:A:ILE:HB	1:440:A:LYS:H	7	0.18
(1,668)	1:438:A:ILE:HB	1:440:A:LYS:H	17	0.18
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	19	0.18
(1,664)	1:419:A:GLN:HB2	1:420:A:ASP:HB3	18	0.18
(1,661)	1:417:A:GLY:HA3	1:418:A:ASP:HB3	14	0.18
(1,660)	1:489:A:PRO:HA	1:490:A:TYR:HB2	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	19	0.18
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	19	0.18
(1,657)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	19	0.18
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	19	0.18
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	19	0.18
(1,657)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	19	0.18
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG21	3	0.18
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG22	3	0.18
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG23	3	0.18
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	3	0.18
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	3	0.18
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	3	0.18
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	3	0.18
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	3	0.18
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	3	0.18
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	12	0.18
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	12	0.18
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	12	0.18
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	12	0.18
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	12	0.18
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	12	0.18
(1,625)	1:466:A:MET:HG2	1:469:A:PHE:HB2	1	0.18
(1,625)	1:466:A:MET:HG3	1:469:A:PHE:HB2	1	0.18
(1,625)	1:466:A:MET:HG2	1:469:A:PHE:HB2	3	0.18
(1,625)	1:466:A:MET:HG3	1:469:A:PHE:HB2	3	0.18
(1,625)	1:466:A:MET:HG2	1:469:A:PHE:HB2	20	0.18
(1,625)	1:466:A:MET:HG3	1:469:A:PHE:HB2	20	0.18
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	9	0.18
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	9	0.18
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	9	0.18
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	11	0.18
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	11	0.18
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	11	0.18
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	16	0.18
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	16	0.18
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	16	0.18
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	17	0.18
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	17	0.18
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	17	0.18
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	10	0.18
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	10	0.18
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	10	0.18
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	10	0.18
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	10	0.18
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	15	0.18
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	15	0.18
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	15	0.18
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	15	0.18
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	15	0.18
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	15	0.18
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	13	0.18
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	13	0.18
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	13	0.18
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	3	0.18
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	3	0.18
(1,592)	1:424:A:MET:HG2	1:469:A:PHE:HB3	15	0.18
(1,592)	1:424:A:MET:HG3	1:469:A:PHE:HB3	15	0.18
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG21	7	0.18
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG22	7	0.18
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG23	7	0.18
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG21	19	0.18
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG22	19	0.18
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG23	19	0.18
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	12	0.18
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	12	0.18
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	12	0.18
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	14	0.18
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	14	0.18
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	14	0.18
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	7	0.18
(1,540)	1:422:A:LEU:HB2	1:434:A:ALA:HA	16	0.18
(1,523)	1:456:A:PRO:HA	1:458:A:SER:H	1	0.18
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	9	0.18
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	9	0.18
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	9	0.18
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	20	0.18
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	20	0.18
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	20	0.18
(1,484)	1:462:A:ALA:HB1	1:464:A:GLN:H	13	0.18
(1,484)	1:462:A:ALA:HB2	1:464:A:GLN:H	13	0.18
(1,484)	1:462:A:ALA:HB3	1:464:A:GLN:H	13	0.18
(1,478)	1:462:A:ALA:HB1	1:466:A:MET:H	2	0.18
(1,478)	1:462:A:ALA:HB2	1:466:A:MET:H	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:462:A:ALA:HB3	1:466:A:MET:H	2	0.18
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	20	0.18
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	20	0.18
(1,462)	1:412:A:LEU:HD11	1:448:A:PHE:HB2	10	0.18
(1,462)	1:412:A:LEU:HD11	1:448:A:PHE:HB3	10	0.18
(1,462)	1:412:A:LEU:HD12	1:448:A:PHE:HB2	10	0.18
(1,462)	1:412:A:LEU:HD12	1:448:A:PHE:HB3	10	0.18
(1,462)	1:412:A:LEU:HD13	1:448:A:PHE:HB2	10	0.18
(1,462)	1:412:A:LEU:HD13	1:448:A:PHE:HB3	10	0.18
(1,462)	1:412:A:LEU:HD21	1:448:A:PHE:HB2	10	0.18
(1,462)	1:412:A:LEU:HD21	1:448:A:PHE:HB3	10	0.18
(1,462)	1:412:A:LEU:HD22	1:448:A:PHE:HB2	10	0.18
(1,462)	1:412:A:LEU:HD22	1:448:A:PHE:HB3	10	0.18
(1,462)	1:412:A:LEU:HD23	1:448:A:PHE:HB2	10	0.18
(1,462)	1:412:A:LEU:HD23	1:448:A:PHE:HB3	10	0.18
(1,456)	1:439:A:ASP:HB3	1:442:A:THR:HG21	7	0.18
(1,456)	1:439:A:ASP:HB3	1:442:A:THR:HG22	7	0.18
(1,456)	1:439:A:ASP:HB3	1:442:A:THR:HG23	7	0.18
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	18	0.18
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	16	0.18
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	16	0.18
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	16	0.18
(1,425)	1:433:A:SER:HB2	1:434:A:ALA:HA	1	0.18
(1,424)	1:408:A:PHE:HE1	1:433:A:SER:HB2	19	0.18
(1,424)	1:408:A:PHE:HE2	1:433:A:SER:HB2	19	0.18
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	13	0.18
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	13	0.18
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB2	19	0.18
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB3	19	0.18
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB2	19	0.18
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB3	19	0.18
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB2	19	0.18
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB3	19	0.18
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	7	0.18
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	16	0.18
(1,395)	1:405:A:ALA:HB1	1:452:A:SER:HB2	1	0.18
(1,395)	1:405:A:ALA:HB2	1:452:A:SER:HB2	1	0.18
(1,395)	1:405:A:ALA:HB3	1:452:A:SER:HB2	1	0.18
(1,395)	1:405:A:ALA:HB1	1:452:A:SER:HB2	11	0.18
(1,395)	1:405:A:ALA:HB2	1:452:A:SER:HB2	11	0.18
(1,395)	1:405:A:ALA:HB3	1:452:A:SER:HB2	11	0.18
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB2	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB3	9	0.18
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB2	12	0.18
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB3	12	0.18
(1,390)	1:417:A:GLY:HA2	1:420:A:ASP:HB3	6	0.18
(1,379)	1:475:A:ARG:HA	1:475:A:ARG:HD2	7	0.18
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	4	0.18
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	4	0.18
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	4	0.18
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	4	0.18
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	4	0.18
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	4	0.18
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	4	0.18
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	4	0.18
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	4	0.18
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	4	0.18
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	4	0.18
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	4	0.18
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	4	0.18
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	4	0.18
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	4	0.18
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	4	0.18
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	4	0.18
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	4	0.18
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	2	0.18
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	2	0.18
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	2	0.18
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	2	0.18
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	2	0.18
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	2	0.18
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	2	0.18
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	2	0.18
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	2	0.18
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	2	0.18
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	6	0.18
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	6	0.18
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	6	0.18
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	13	0.18
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	13	0.18
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	13	0.18
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	6	0.18
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	6	0.18
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,323)	1:442:A:THR:HB	1:444:A:LEU:HB2	14	0.18
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	18	0.18
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	12	0.18
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	12	0.18
(1,308)	1:449:A:GLY:HA3	1:450:A:PHE:HB3	3	0.18
(1,307)	1:435:A:LYS:HG2	1:450:A:PHE:HB2	17	0.18
(1,293)	1:436:A:VAL:HG11	1:449:A:GLY:HA2	15	0.18
(1,293)	1:436:A:VAL:HG12	1:449:A:GLY:HA2	15	0.18
(1,293)	1:436:A:VAL:HG13	1:449:A:GLY:HA2	15	0.18
(1,293)	1:436:A:VAL:HG11	1:449:A:GLY:HA2	19	0.18
(1,293)	1:436:A:VAL:HG12	1:449:A:GLY:HA2	19	0.18
(1,293)	1:436:A:VAL:HG13	1:449:A:GLY:HA2	19	0.18
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	8	0.18
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	8	0.18
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	8	0.18
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	16	0.18
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	16	0.18
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	16	0.18
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	14	0.18
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	14	0.18
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	14	0.18
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG11	2	0.18
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG12	2	0.18
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG13	2	0.18
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG11	17	0.18
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG12	17	0.18
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG13	17	0.18
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	10	0.18
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	10	0.18
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	10	0.18
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	14	0.18
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	14	0.18
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	14	0.18
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	14	0.18
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	14	0.18
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	14	0.18
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	15	0.18
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	15	0.18
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	15	0.18
(1,234)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	3	0.18
(1,234)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	3	0.18
(1,234)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	3	0.18
(1,234)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	3	0.18
(1,234)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	3	0.18
(1,234)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	13	0.18
(1,234)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	13	0.18
(1,234)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	13	0.18
(1,234)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	13	0.18
(1,234)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	13	0.18
(1,234)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	13	0.18
(1,220)	1:429:A:GLY:HA2	1:458:A:SER:HB2	18	0.18
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG21	5	0.18
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG22	5	0.18
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG23	5	0.18
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG21	5	0.18
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG22	5	0.18
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG23	5	0.18
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	5	0.18
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	5	0.18
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	5	0.18
(1,204)	1:457:A:VAL:HG11	1:459:A:ALA:H	17	0.18
(1,204)	1:457:A:VAL:HG12	1:459:A:ALA:H	17	0.18
(1,204)	1:457:A:VAL:HG13	1:459:A:ALA:H	17	0.18
(1,204)	1:457:A:VAL:HG21	1:459:A:ALA:H	17	0.18
(1,204)	1:457:A:VAL:HG22	1:459:A:ALA:H	17	0.18
(1,204)	1:457:A:VAL:HG23	1:459:A:ALA:H	17	0.18
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	1	0.18
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	1	0.18
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	1	0.18
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	1	0.18
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	1	0.18
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	1	0.18
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	4	0.18
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	4	0.18
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	4	0.18
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	4	0.18
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	4	0.18
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	4	0.18
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	8	0.18
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	8	0.18
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	8	0.18
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	8	0.18
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	8	0.18
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	11	0.18
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	11	0.18
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	11	0.18
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	11	0.18
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	11	0.18
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	11	0.18
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	12	0.18
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	12	0.18
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	12	0.18
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	12	0.18
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	12	0.18
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	12	0.18
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	14	0.18
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	14	0.18
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	14	0.18
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	14	0.18
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	14	0.18
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	14	0.18
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	20	0.18
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	20	0.18
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	20	0.18
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	20	0.18
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	20	0.18
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	20	0.18
(1,185)	1:421:A:ILE:HG12	1:436:A:VAL:HG21	4	0.18
(1,185)	1:421:A:ILE:HG12	1:436:A:VAL:HG22	4	0.18
(1,185)	1:421:A:ILE:HG12	1:436:A:VAL:HG23	4	0.18
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	11	0.18
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	11	0.18
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	11	0.18
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	11	0.18
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	11	0.18
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	11	0.18
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	11	0.18
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	11	0.18
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	11	0.18
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	10	0.18
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	10	0.18
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	10	0.18
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	9	0.18
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	9	0.18
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	9	0.18
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	9	0.18
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	9	0.18
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	10	0.18
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	10	0.18
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	10	0.18
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	10	0.18
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	10	0.18
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	10	0.18
(1,176)	1:431:A:VAL:HG11	1:433:A:SER:H	3	0.18
(1,176)	1:431:A:VAL:HG12	1:433:A:SER:H	3	0.18
(1,176)	1:431:A:VAL:HG13	1:433:A:SER:H	3	0.18
(1,172)	1:431:A:VAL:HG11	1:432:A:ILE:H	3	0.18
(1,172)	1:431:A:VAL:HG12	1:432:A:ILE:H	3	0.18
(1,172)	1:431:A:VAL:HG13	1:432:A:ILE:H	3	0.18
(1,169)	1:457:A:VAL:HG11	1:460:A:GLN:HE21	20	0.18
(1,169)	1:457:A:VAL:HG12	1:460:A:GLN:HE21	20	0.18
(1,169)	1:457:A:VAL:HG13	1:460:A:GLN:HE21	20	0.18
(1,169)	1:457:A:VAL:HG21	1:460:A:GLN:HE21	20	0.18
(1,169)	1:457:A:VAL:HG22	1:460:A:GLN:HE21	20	0.18
(1,169)	1:457:A:VAL:HG23	1:460:A:GLN:HE21	20	0.18
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	16	0.18
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	16	0.18
(1,160)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	16	0.18
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG21	11	0.18
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG22	11	0.18
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG23	11	0.18
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	1	0.18
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	1	0.18
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	1	0.18
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	1	0.18
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	1	0.18
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	1	0.18
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	2	0.18
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	2	0.18
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	2	0.18
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	2	0.18
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	2	0.18
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	2	0.18
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	9	0.18
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	9	0.18
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	9	0.18
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	9	0.18
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	9	0.18
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD11	14	0.18
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD12	14	0.18
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD13	14	0.18
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD21	14	0.18
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD22	14	0.18
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD23	14	0.18
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	12	0.18
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	12	0.18
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	12	0.18
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	12	0.18
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	12	0.18
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	12	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	12	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	12	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	12	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	12	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	12	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	12	0.18
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	12	0.18
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	12	0.18
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	12	0.18
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	12	0.18
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	12	0.18
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	12	0.18
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	14	0.18
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	14	0.18
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	14	0.18
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	14	0.18
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	14	0.18
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	14	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	14	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	14	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	14	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	14	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	14	0.18
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	14	0.18
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	14	0.18
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	14	0.18
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	14	0.18
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	14	0.18
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	14	0.18
(1,138)	1:422:A:LEU:HD11	1:431:A:VAL:H	1	0.18
(1,138)	1:422:A:LEU:HD12	1:431:A:VAL:H	1	0.18
(1,138)	1:422:A:LEU:HD13	1:431:A:VAL:H	1	0.18
(1,138)	1:422:A:LEU:HD21	1:431:A:VAL:H	1	0.18
(1,138)	1:422:A:LEU:HD22	1:431:A:VAL:H	1	0.18
(1,138)	1:422:A:LEU:HD23	1:431:A:VAL:H	1	0.18
(1,138)	1:422:A:LEU:HD11	1:431:A:VAL:H	7	0.18
(1,138)	1:422:A:LEU:HD12	1:431:A:VAL:H	7	0.18
(1,138)	1:422:A:LEU:HD13	1:431:A:VAL:H	7	0.18
(1,138)	1:422:A:LEU:HD21	1:431:A:VAL:H	7	0.18
(1,138)	1:422:A:LEU:HD22	1:431:A:VAL:H	7	0.18
(1,138)	1:422:A:LEU:HD23	1:431:A:VAL:H	7	0.18
(1,138)	1:422:A:LEU:HD11	1:431:A:VAL:H	14	0.18
(1,138)	1:422:A:LEU:HD12	1:431:A:VAL:H	14	0.18
(1,138)	1:422:A:LEU:HD13	1:431:A:VAL:H	14	0.18
(1,138)	1:422:A:LEU:HD21	1:431:A:VAL:H	14	0.18
(1,138)	1:422:A:LEU:HD22	1:431:A:VAL:H	14	0.18
(1,138)	1:422:A:LEU:HD23	1:431:A:VAL:H	14	0.18
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	14	0.18
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	14	0.18
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	14	0.18
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	14	0.18
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	14	0.18
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	14	0.18
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	14	0.18
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	14	0.18
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	14	0.18
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	14	0.18
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	14	0.18
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	14	0.18
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	7	0.18
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	7	0.18
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	7	0.18
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	9	0.18
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	9	0.18
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	9	0.18
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	13	0.18
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	13	0.18
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	13	0.18
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	13	0.18
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	13	0.18
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	5	0.18
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	5	0.18
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	5	0.18
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	5	0.18
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	5	0.18
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	5	0.18
(1,82)	1:483:A:SER:HB2	1:484:A:LYS:HG2	19	0.18
(1,82)	1:483:A:SER:HB2	1:484:A:LYS:HG3	19	0.18
(1,82)	1:483:A:SER:HB3	1:484:A:LYS:HG2	19	0.18
(1,82)	1:483:A:SER:HB3	1:484:A:LYS:HG3	19	0.18
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	20	0.18
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	20	0.18
(1,36)	1:425:A:PHE:HE1	1:476:A:LEU:HG	12	0.18
(1,36)	1:425:A:PHE:HE2	1:476:A:LEU:HG	12	0.18
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	1	0.18
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	1	0.18
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	1	0.18
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	6	0.18
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	6	0.18
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	6	0.18
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	17	0.18
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	10	0.18
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	10	0.18
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	10	0.18
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	17	0.18
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	17	0.18
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	17	0.18
(1,8)	1:407:A:LEU:HG	1:478:A:VAL:HG11	4	0.18
(1,8)	1:407:A:LEU:HG	1:478:A:VAL:HG12	4	0.18
(1,8)	1:407:A:LEU:HG	1:478:A:VAL:HG13	4	0.18
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD1	13	0.18
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD2	13	0.18
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD1	15	0.18
(1,5)	1:407:A:LEU:HG	1:425:A:PHE:HD2	15	0.18
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	15	0.17
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	15	0.17
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	15	0.17
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	15	0.17
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	15	0.17
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	10	0.17
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	10	0.17
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	10	0.17
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	10	0.17
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	10	0.17
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	10	0.17
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE1	9	0.17
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE2	9	0.17
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE1	9	0.17
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE2	9	0.17
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	8	0.17
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	8	0.17
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	9	0.17
(1,2421)	1:411:A:HIS:HD2	1:477:A:LYS:H	2	0.17
(1,2420)	1:412:A:LEU:HG	1:416:A:PHE:HD1	1	0.17
(1,2420)	1:412:A:LEU:HG	1:416:A:PHE:HD2	1	0.17
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	2	0.17
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	2	0.17
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	2	0.17
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	2	0.17
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	2	0.17
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	2	0.17
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD1	15	0.17
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD2	15	0.17
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD1	15	0.17
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD2	15	0.17
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD1	18	0.17
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD2	18	0.17
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD1	18	0.17
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD2	18	0.17
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	9	0.17
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	9	0.17
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	9	0.17
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	9	0.17
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	9	0.17
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	9	0.17
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	9	0.17
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	9	0.17
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	4	0.17
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	4	0.17
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	4	0.17
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	4	0.17
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	4	0.17
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	4	0.17
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	4	0.17
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	4	0.17
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	4	0.17
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	4	0.17
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	4	0.17
(1,2390)	1:416:A:PHE:HE1	1:420:A:ASP:HB2	4	0.17
(1,2390)	1:416:A:PHE:HE2	1:420:A:ASP:HB2	4	0.17
(1,2390)	1:416:A:PHE:HE1	1:420:A:ASP:HB2	7	0.17
(1,2390)	1:416:A:PHE:HE2	1:420:A:ASP:HB2	7	0.17
(1,2383)	1:428:A:PHE:HE1	1:461:A:ALA:HB1	18	0.17
(1,2383)	1:428:A:PHE:HE1	1:461:A:ALA:HB2	18	0.17
(1,2383)	1:428:A:PHE:HE1	1:461:A:ALA:HB3	18	0.17
(1,2383)	1:428:A:PHE:HE2	1:461:A:ALA:HB1	18	0.17
(1,2383)	1:428:A:PHE:HE2	1:461:A:ALA:HB2	18	0.17
(1,2383)	1:428:A:PHE:HE2	1:461:A:ALA:HB3	18	0.17
(1,2379)	1:436:A:VAL:HA	1:450:A:PHE:HD1	16	0.17
(1,2379)	1:436:A:VAL:HA	1:450:A:PHE:HD2	16	0.17
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG2	18	0.17
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG3	18	0.17
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG2	18	0.17
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG3	18	0.17
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD1	10	0.17
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD2	10	0.17
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD1	11	0.17
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD2	11	0.17
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	10	0.17
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	10	0.17
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	18	0.17
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	18	0.17
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	1	0.17
(1,2354)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	1	0.17
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	1	0.17
(1,2354)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	1	0.17
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	1	0.17
(1,2354)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	1	0.17
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	1	0.17
(1,2354)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	1	0.17
(1,2354)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	1	0.17
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	1	0.17
(1,2354)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	1	0.17
(1,2346)	1:409:A:ILE:HG21	1:448:A:PHE:HD1	7	0.17
(1,2346)	1:409:A:ILE:HG21	1:448:A:PHE:HD2	7	0.17
(1,2346)	1:409:A:ILE:HG22	1:448:A:PHE:HD1	7	0.17
(1,2346)	1:409:A:ILE:HG22	1:448:A:PHE:HD2	7	0.17
(1,2346)	1:409:A:ILE:HG23	1:448:A:PHE:HD1	7	0.17
(1,2346)	1:409:A:ILE:HG23	1:448:A:PHE:HD2	7	0.17
(1,2338)	1:409:A:ILE:HG21	1:410:A:TYR:HD1	13	0.17
(1,2338)	1:409:A:ILE:HG21	1:410:A:TYR:HD2	13	0.17
(1,2338)	1:409:A:ILE:HG22	1:410:A:TYR:HD1	13	0.17
(1,2338)	1:409:A:ILE:HG22	1:410:A:TYR:HD2	13	0.17
(1,2338)	1:409:A:ILE:HG23	1:410:A:TYR:HD1	13	0.17
(1,2338)	1:409:A:ILE:HG23	1:410:A:TYR:HD2	13	0.17
(1,2338)	1:409:A:ILE:HG21	1:410:A:TYR:HD1	14	0.17
(1,2338)	1:409:A:ILE:HG21	1:410:A:TYR:HD2	14	0.17
(1,2338)	1:409:A:ILE:HG22	1:410:A:TYR:HD1	14	0.17
(1,2338)	1:409:A:ILE:HG22	1:410:A:TYR:HD2	14	0.17
(1,2338)	1:409:A:ILE:HG23	1:410:A:TYR:HD1	14	0.17
(1,2338)	1:409:A:ILE:HG23	1:410:A:TYR:HD2	14	0.17
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	18	0.17
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	18	0.17
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	18	0.17
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	18	0.17
(1,2316)	1:411:A:HIS:H	1:449:A:GLY:H	10	0.17
(1,2316)	1:411:A:HIS:H	1:449:A:GLY:H	12	0.17
(1,2316)	1:411:A:HIS:H	1:449:A:GLY:H	20	0.17
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	10	0.17
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	6	0.17
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	12	0.17
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	14	0.17
(1,2287)	1:470:A:GLN:HB2	1:470:A:GLN:HE22	1	0.17
(1,2287)	1:470:A:GLN:HB2	1:470:A:GLN:HE22	12	0.17
(1,2284)	1:422:A:LEU:HB2	1:423:A:GLN:HE21	3	0.17
(1,2280)	1:463:A:ILE:HG21	1:464:A:GLN:HE22	6	0.17
(1,2280)	1:463:A:ILE:HG22	1:464:A:GLN:HE22	6	0.17
(1,2280)	1:463:A:ILE:HG23	1:464:A:GLN:HE22	6	0.17
(1,2274)	1:456:A:PRO:HB3	1:460:A:GLN:HE22	18	0.17
(1,2274)	1:456:A:PRO:HB3	1:460:A:GLN:HE22	20	0.17
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	11	0.17
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	11	0.17
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	12	0.17
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	12	0.17
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	12	0.17
(1,2251)	1:425:A:PHE:H	1:425:A:PHE:HD1	16	0.17
(1,2251)	1:425:A:PHE:H	1:425:A:PHE:HD2	16	0.17
(1,2248)	1:444:A:LEU:HB2	1:479:A:GLN:HE21	9	0.17
(1,2244)	1:444:A:LEU:HD11	1:479:A:GLN:HE22	12	0.17
(1,2244)	1:444:A:LEU:HD12	1:479:A:GLN:HE22	12	0.17
(1,2244)	1:444:A:LEU:HD13	1:479:A:GLN:HE22	12	0.17
(1,2244)	1:444:A:LEU:HD21	1:479:A:GLN:HE22	12	0.17
(1,2244)	1:444:A:LEU:HD22	1:479:A:GLN:HE22	12	0.17
(1,2244)	1:444:A:LEU:HD23	1:479:A:GLN:HE22	12	0.17
(1,2242)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	3	0.17
(1,2242)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	4	0.17
(1,2242)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	8	0.17
(1,2242)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	14	0.17
(1,2240)	1:445:A:SER:HB3	1:479:A:GLN:HE22	13	0.17
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG21	5	0.17
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG22	5	0.17
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG23	5	0.17
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG21	16	0.17
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG22	16	0.17
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG23	16	0.17
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG11	11	0.17
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG12	11	0.17
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG13	11	0.17
(1,2194)	1:432:A:ILE:HD11	1:455:A:ASN:H	10	0.17
(1,2194)	1:432:A:ILE:HD12	1:455:A:ASN:H	10	0.17
(1,2194)	1:432:A:ILE:HD13	1:455:A:ASN:H	10	0.17
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	13	0.17
(1,2169)	1:455:A:ASN:HD21	1:458:A:SER:H	3	0.17
(1,2156)	1:414:A:GLN:HG3	1:415:A:GLU:H	20	0.17
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB1	1	0.17
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB2	1	0.17
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB3	1	0.17
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB1	4	0.17
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB2	4	0.17
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB3	4	0.17
(1,2093)	1:464:A:GLN:H	1:465:A:ALA:H	17	0.17
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	1:442:A:THR:HG21	1:443:A:ASN:H	7	0.17
(1,2091)	1:442:A:THR:HG22	1:443:A:ASN:H	7	0.17
(1,2091)	1:442:A:THR:HG23	1:443:A:ASN:H	7	0.17
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	2	0.17
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	15	0.17
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	16	0.17
(1,2083)	1:463:A:ILE:HB	1:465:A:ALA:H	5	0.17
(1,2083)	1:463:A:ILE:HB	1:465:A:ALA:H	11	0.17
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	11	0.17
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	11	0.17
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	17	0.17
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	17	0.17
(1,2069)	1:417:A:GLY:H	1:420:A:ASP:H	6	0.17
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	6	0.17
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	10	0.17
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	2	0.17
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	3	0.17
(1,2041)	1:442:A:THR:H	1:444:A:LEU:H	18	0.17
(1,2038)	1:439:A:ASP:HB3	1:444:A:LEU:H	19	0.17
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	9	0.17
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	18	0.17
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	6	0.17
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	6	0.17
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	19	0.17
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	19	0.17
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	1	0.17
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	16	0.17
(1,2026)	1:468:A:GLY:H	1:477:A:LYS:HA	5	0.17
(1,2026)	1:468:A:GLY:H	1:477:A:LYS:HA	12	0.17
(1,2026)	1:468:A:GLY:H	1:477:A:LYS:HA	15	0.17
(1,2025)	1:468:A:GLY:H	1:478:A:VAL:H	17	0.17
(1,2019)	1:459:A:ALA:HA	1:463:A:ILE:H	14	0.17
(1,2017)	1:461:A:ALA:HA	1:463:A:ILE:H	4	0.17
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	1	0.17
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	6	0.17
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB2	2	0.17
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB3	2	0.17
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	16	0.17
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	20	0.17
(1,2000)	1:403:A:GLU:H	1:403:A:GLU:HB2	5	0.17
(1,1995)	1:402:A:PRO:HB2	1:403:A:GLU:H	3	0.17
(1,1995)	1:402:A:PRO:HB3	1:403:A:GLU:H	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	3	0.17
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	6	0.17
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	15	0.17
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	5	0.17
(1,1979)	1:474:A:LYS:HG2	1:475:A:ARG:H	20	0.17
(1,1978)	1:474:A:LYS:HD2	1:475:A:ARG:H	2	0.17
(1,1978)	1:474:A:LYS:HD3	1:475:A:ARG:H	2	0.17
(1,1976)	1:474:A:LYS:HB3	1:475:A:ARG:H	8	0.17
(1,1974)	1:411:A:HIS:HB3	1:475:A:ARG:H	7	0.17
(1,1966)	1:403:A:GLU:HA	1:405:A:ALA:H	5	0.17
(1,1966)	1:403:A:GLU:HA	1:405:A:ALA:H	20	0.17
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE1	5	0.17
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE2	5	0.17
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE1	13	0.17
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE2	13	0.17
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	1	0.17
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	18	0.17
(1,1936)	1:486:A:ASP:H	1:486:A:ASP:HB2	5	0.17
(1,1932)	1:435:A:LYS:H	1:435:A:LYS:HG2	2	0.17
(1,1930)	1:435:A:LYS:H	1:450:A:PHE:HB3	19	0.17
(1,1928)	1:435:A:LYS:H	1:451:A:VAL:HA	7	0.17
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	9	0.17
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	13	0.17
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	13	0.17
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	13	0.17
(1,1906)	1:435:A:LYS:HE2	1:438:A:ILE:H	7	0.17
(1,1906)	1:435:A:LYS:HE3	1:438:A:ILE:H	7	0.17
(1,1906)	1:435:A:LYS:HE2	1:438:A:ILE:H	10	0.17
(1,1906)	1:435:A:LYS:HE3	1:438:A:ILE:H	10	0.17
(1,1896)	1:418:A:ASP:H	1:419:A:GLN:H	5	0.17
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	6	0.17
(1,1867)	1:418:A:ASP:HB2	1:436:A:VAL:H	2	0.17
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	6	0.17
(1,1850)	1:399:A:LYS:H	1:433:A:SER:HB2	5	0.17
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	20	0.17
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	20	0.17
(1,1836)	1:407:A:LEU:H	1:407:A:LEU:HB3	16	0.17
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	18	0.17
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	18	0.17
(1,1831)	1:407:A:LEU:H	1:453:A:TYR:H	12	0.17
(1,1828)	1:409:A:ILE:HD11	1:410:A:TYR:H	15	0.17
(1,1828)	1:409:A:ILE:HD12	1:410:A:TYR:H	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1828)	1:409:A:ILE:HD13	1:410:A:TYR:H	15	0.17
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB2	6	0.17
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB3	6	0.17
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB2	9	0.17
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB3	9	0.17
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB2	17	0.17
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB3	17	0.17
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB2	18	0.17
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB3	18	0.17
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB2	19	0.17
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB3	19	0.17
(1,1816)	1:469:A:PHE:H	1:469:A:PHE:HB3	16	0.17
(1,1810)	1:466:A:MET:HG2	1:469:A:PHE:H	18	0.17
(1,1810)	1:466:A:MET:HG3	1:469:A:PHE:H	18	0.17
(1,1806)	1:489:A:PRO:HG2	1:490:A:TYR:H	2	0.17
(1,1806)	1:489:A:PRO:HG2	1:490:A:TYR:H	18	0.17
(1,1801)	1:410:A:TYR:HB2	1:477:A:LYS:H	13	0.17
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	12	0.17
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	9	0.17
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	14	0.17
(1,1776)	1:434:A:ALA:H	1:451:A:VAL:HA	9	0.17
(1,1772)	1:444:A:LEU:HD11	1:446:A:LYS:H	8	0.17
(1,1772)	1:444:A:LEU:HD12	1:446:A:LYS:H	8	0.17
(1,1772)	1:444:A:LEU:HD13	1:446:A:LYS:H	8	0.17
(1,1772)	1:444:A:LEU:HD21	1:446:A:LYS:H	8	0.17
(1,1772)	1:444:A:LEU:HD22	1:446:A:LYS:H	8	0.17
(1,1772)	1:444:A:LEU:HD23	1:446:A:LYS:H	8	0.17
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	3	0.17
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	13	0.17
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	1	0.17
(1,1760)	1:470:A:GLN:H	1:471:A:ILE:H	20	0.17
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG11	18	0.17
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG12	18	0.17
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG13	18	0.17
(1,1733)	1:424:A:MET:HA	1:426:A:MET:H	4	0.17
(1,1733)	1:424:A:MET:HA	1:426:A:MET:H	16	0.17
(1,1732)	1:424:A:MET:H	1:426:A:MET:H	7	0.17
(1,1726)	1:432:A:ILE:H	1:453:A:TYR:HA	7	0.17
(1,1719)	1:469:A:PHE:HE1	1:470:A:GLN:H	10	0.17
(1,1719)	1:469:A:PHE:HE2	1:470:A:GLN:H	10	0.17
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	5	0.17
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	5	0.17
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	5	0.17
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	4	0.17
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	4	0.17
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD11	3	0.17
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD12	3	0.17
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD13	3	0.17
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD11	16	0.17
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD12	16	0.17
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD13	16	0.17
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	18	0.17
(1,1672)	1:405:A:ALA:HB1	1:456:A:PRO:HG2	14	0.17
(1,1672)	1:405:A:ALA:HB1	1:456:A:PRO:HG3	14	0.17
(1,1672)	1:405:A:ALA:HB2	1:456:A:PRO:HG2	14	0.17
(1,1672)	1:405:A:ALA:HB2	1:456:A:PRO:HG3	14	0.17
(1,1672)	1:405:A:ALA:HB3	1:456:A:PRO:HG2	14	0.17
(1,1672)	1:405:A:ALA:HB3	1:456:A:PRO:HG3	14	0.17
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG12	6	0.17
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG13	6	0.17
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG12	8	0.17
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG13	8	0.17
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG12	10	0.17
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG13	10	0.17
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	7	0.17
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	7	0.17
(1,1657)	1:419:A:GLN:HB2	1:422:A:LEU:HB2	17	0.17
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	6	0.17
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	12	0.17
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	18	0.17
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	2	0.17
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	11	0.17
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	11	0.17
(1,1638)	1:471:A:ILE:H	1:475:A:ARG:HG2	20	0.17
(1,1638)	1:471:A:ILE:H	1:475:A:ARG:HG3	20	0.17
(1,1633)	1:405:A:ALA:HA	1:406:A:ASN:HD22	15	0.17
(1,1630)	1:405:A:ALA:HA	1:452:A:SER:HA	1	0.17
(1,1629)	1:405:A:ALA:HA	1:455:A:ASN:HA	10	0.17
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	1	0.17
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	7	0.17
(1,1616)	1:412:A:LEU:HD11	1:413:A:PRO:HG2	2	0.17
(1,1616)	1:412:A:LEU:HD12	1:413:A:PRO:HG2	2	0.17
(1,1616)	1:412:A:LEU:HD13	1:413:A:PRO:HG2	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1616)	1:412:A:LEU:HD21	1:413:A:PRO:HG2	2	0.17
(1,1616)	1:412:A:LEU:HD22	1:413:A:PRO:HG2	2	0.17
(1,1616)	1:412:A:LEU:HD23	1:413:A:PRO:HG2	2	0.17
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	8	0.17
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	8	0.17
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	13	0.17
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	13	0.17
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG11	20	0.17
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG12	20	0.17
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG13	20	0.17
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	7	0.17
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	7	0.17
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	8	0.17
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	8	0.17
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	5	0.17
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	13	0.17
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	18	0.17
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD1	19	0.17
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD2	19	0.17
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	1	0.17
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	1	0.17
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	15	0.17
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	15	0.17
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	14	0.17
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	14	0.17
(1,1542)	1:416:A:PHE:HE1	1:421:A:ILE:HG12	8	0.17
(1,1542)	1:416:A:PHE:HE2	1:421:A:ILE:HG12	8	0.17
(1,1542)	1:416:A:PHE:HE1	1:421:A:ILE:HG12	13	0.17
(1,1542)	1:416:A:PHE:HE2	1:421:A:ILE:HG12	13	0.17
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD2	10	0.17
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD3	10	0.17
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD2	10	0.17
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD3	10	0.17
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD2	10	0.17
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD3	10	0.17
(1,1532)	1:440:A:LYS:HD2	1:441:A:GLN:HB2	3	0.17
(1,1532)	1:440:A:LYS:HD3	1:441:A:GLN:HB2	3	0.17
(1,1532)	1:440:A:LYS:HD2	1:441:A:GLN:HB2	18	0.17
(1,1532)	1:440:A:LYS:HD3	1:441:A:GLN:HB2	18	0.17
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	20	0.17
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	20	0.17
(1,1521)	1:477:A:LYS:HD2	1:479:A:GLN:HB2	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1521)	1:477:A:LYS:HD2	1:479:A:GLN:HB3	8	0.17
(1,1521)	1:477:A:LYS:HD3	1:479:A:GLN:HB2	8	0.17
(1,1521)	1:477:A:LYS:HD3	1:479:A:GLN:HB3	8	0.17
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	2	0.17
(1,1509)	1:441:A:GLN:HB2	1:443:A:ASN:H	17	0.17
(1,1508)	1:441:A:GLN:H	1:441:A:GLN:HB2	7	0.17
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	18	0.17
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	18	0.17
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	18	0.17
(1,1504)	1:402:A:PRO:HA	1:403:A:GLU:HB2	17	0.17
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE2	6	0.17
(1,1501)	1:398:A:GLN:HB2	1:435:A:LYS:HE3	6	0.17
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE2	6	0.17
(1,1501)	1:398:A:GLN:HB3	1:435:A:LYS:HE3	6	0.17
(1,1497)	1:406:A:ASN:HA	1:452:A:SER:HB3	1	0.17
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD1	9	0.17
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD2	9	0.17
(1,1462)	1:432:A:ILE:H	1:454:A:ASP:HA	4	0.17
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	19	0.17
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	19	0.17
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	19	0.17
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	17	0.17
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	17	0.17
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	17	0.17
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	17	0.17
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	9	0.17
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD11	7	0.17
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD12	7	0.17
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD13	7	0.17
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD21	7	0.17
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD22	7	0.17
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD23	7	0.17
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD11	16	0.17
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD12	16	0.17
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD13	16	0.17
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD21	16	0.17
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD22	16	0.17
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD23	16	0.17
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	17	0.17
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	17	0.17
(1,1425)	1:474:A:LYS:HD2	1:475:A:ARG:HA	10	0.17
(1,1425)	1:474:A:LYS:HD3	1:475:A:ARG:HA	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1418)	1:413:A:PRO:HB2	1:475:A:ARG:HA	7	0.17
(1,1418)	1:413:A:PRO:HB3	1:475:A:ARG:HA	7	0.17
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	6	0.17
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	18	0.17
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	15	0.17
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	15	0.17
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE1	18	0.17
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE2	18	0.17
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE1	18	0.17
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE2	18	0.17
(1,1397)	1:407:A:LEU:HD11	1:459:A:ALA:HA	4	0.17
(1,1397)	1:407:A:LEU:HD12	1:459:A:ALA:HA	4	0.17
(1,1397)	1:407:A:LEU:HD13	1:459:A:ALA:HA	4	0.17
(1,1397)	1:407:A:LEU:HD21	1:459:A:ALA:HA	4	0.17
(1,1397)	1:407:A:LEU:HD22	1:459:A:ALA:HA	4	0.17
(1,1397)	1:407:A:LEU:HD23	1:459:A:ALA:HA	4	0.17
(1,1396)	1:453:A:TYR:HD1	1:459:A:ALA:HA	15	0.17
(1,1396)	1:453:A:TYR:HD2	1:459:A:ALA:HA	15	0.17
(1,1391)	1:405:A:ALA:HA	1:459:A:ALA:HA	15	0.17
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG11	19	0.17
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG12	19	0.17
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG13	19	0.17
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG11	19	0.17
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG12	19	0.17
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG13	19	0.17
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	12	0.17
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	12	0.17
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	12	0.17
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	12	0.17
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	12	0.17
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	12	0.17
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	12	0.17
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	12	0.17
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	12	0.17
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	12	0.17
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	12	0.17
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	12	0.17
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	6	0.17
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	6	0.17
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	6	0.17
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	6	0.17
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	9	0.17
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	9	0.17
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	9	0.17
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	10	0.17
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	10	0.17
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	10	0.17
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	10	0.17
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	11	0.17
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	11	0.17
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	11	0.17
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	11	0.17
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD1	7	0.17
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD2	7	0.17
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD1	7	0.17
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD2	7	0.17
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD1	17	0.17
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD2	17	0.17
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD1	17	0.17
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD2	17	0.17
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	1	0.17
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	1	0.17
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	10	0.17
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	10	0.17
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	19	0.17
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	19	0.17
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	2	0.17
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	2	0.17
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	2	0.17
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	2	0.17
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	2	0.17
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	2	0.17
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	8	0.17
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	8	0.17
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	4	0.17
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	4	0.17
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	4	0.17
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	4	0.17
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	14	0.17
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	14	0.17
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	14	0.17
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	14	0.17
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	17	0.17
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	5	0.17
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	13	0.17
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	14	0.17
(1,1321)	1:431:A:VAL:HB	1:433:A:SER:H	9	0.17
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD2	18	0.17
(1,1316)	1:413:A:PRO:HB2	1:474:A:LYS:HD3	18	0.17
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD2	18	0.17
(1,1316)	1:413:A:PRO:HB3	1:474:A:LYS:HD3	18	0.17
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	5	0.17
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	18	0.17
(1,1298)	1:440:A:LYS:HB2	1:443:A:ASN:HB3	19	0.17
(1,1298)	1:440:A:LYS:HB3	1:443:A:ASN:HB3	19	0.17
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD2	2	0.17
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD3	2	0.17
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	7	0.17
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	14	0.17
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	18	0.17
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	20	0.17
(1,1274)	1:456:A:PRO:HB2	1:457:A:VAL:H	5	0.17
(1,1274)	1:456:A:PRO:HB2	1:457:A:VAL:H	17	0.17
(1,1267)	1:456:A:PRO:HB2	1:460:A:GLN:HG2	14	0.17
(1,1267)	1:456:A:PRO:HB2	1:460:A:GLN:HG3	14	0.17
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	9	0.17
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	16	0.17
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	18	0.17
(1,1264)	1:405:A:ALA:HB1	1:456:A:PRO:HB3	2	0.17
(1,1264)	1:405:A:ALA:HB2	1:456:A:PRO:HB3	2	0.17
(1,1264)	1:405:A:ALA:HB3	1:456:A:PRO:HB3	2	0.17
(1,1264)	1:405:A:ALA:HB1	1:456:A:PRO:HB3	3	0.17
(1,1264)	1:405:A:ALA:HB2	1:456:A:PRO:HB3	3	0.17
(1,1264)	1:405:A:ALA:HB3	1:456:A:PRO:HB3	3	0.17
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB2	7	0.17
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB3	7	0.17
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB2	13	0.17
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB3	13	0.17
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB2	15	0.17
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB3	15	0.17
(1,1244)	1:411:A:HIS:HB2	1:476:A:LEU:HA	1	0.17
(1,1242)	1:483:A:SER:HB2	1:484:A:LYS:HB3	17	0.17
(1,1242)	1:483:A:SER:HB3	1:484:A:LYS:HB3	17	0.17
(1,1242)	1:483:A:SER:HB2	1:484:A:LYS:HB3	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1242)	1:483:A:SER:HB3	1:484:A:LYS:HB3	20	0.17
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	14	0.17
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	14	0.17
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	14	0.17
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	18	0.17
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	18	0.17
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	18	0.17
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG21	20	0.17
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG22	20	0.17
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG23	20	0.17
(1,1228)	1:398:A:GLN:HG3	1:399:A:LYS:HA	11	0.17
(1,1228)	1:398:A:GLN:HG3	1:399:A:LYS:HA	14	0.17
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	7	0.17
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	18	0.17
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	7	0.17
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	16	0.17
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG2	18	0.17
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG3	18	0.17
(1,1171)	1:398:A:GLN:HG2	1:433:A:SER:HB3	1	0.17
(1,1171)	1:398:A:GLN:HG2	1:433:A:SER:HB3	9	0.17
(1,1162)	1:460:A:GLN:HG2	1:463:A:ILE:HB	15	0.17
(1,1162)	1:460:A:GLN:HG3	1:463:A:ILE:HB	15	0.17
(1,1160)	1:480:A:LEU:HA	1:481:A:LYS:HB2	3	0.17
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD2	11	0.17
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD3	11	0.17
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB2	20	0.17
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB3	20	0.17
(1,1136)	1:460:A:GLN:HG2	1:463:A:ILE:H	2	0.17
(1,1136)	1:460:A:GLN:HG3	1:463:A:ILE:H	2	0.17
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	1	0.17
(1,1100)	1:463:A:ILE:HG12	1:478:A:VAL:HB	18	0.17
(1,1100)	1:463:A:ILE:HG13	1:478:A:VAL:HB	18	0.17
(1,1095)	1:478:A:VAL:HB	1:479:A:GLN:H	14	0.17
(1,1092)	1:412:A:LEU:HG	1:415:A:GLU:HA	4	0.17
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	16	0.17
(1,1078)	1:440:A:LYS:HE2	1:441:A:GLN:HG3	16	0.17
(1,1078)	1:440:A:LYS:HE3	1:441:A:GLN:HG3	16	0.17
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB2	10	0.17
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB3	10	0.17
(1,1052)	1:411:A:HIS:HB3	1:474:A:LYS:HB2	14	0.17
(1,1041)	1:440:A:LYS:HA	1:442:A:THR:H	2	0.17
(1,1041)	1:440:A:LYS:HA	1:442:A:THR:H	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1029)	1:486:A:ASP:HB3	1:487:A:SER:HA	8	0.17
(1,1029)	1:486:A:ASP:HB3	1:487:A:SER:HA	10	0.17
(1,1026)	1:483:A:SER:HA	1:484:A:LYS:H	17	0.17
(1,1025)	1:419:A:GLN:HA	1:422:A:LEU:HG	3	0.17
(1,1025)	1:419:A:GLN:HA	1:422:A:LEU:HG	14	0.17
(1,1025)	1:419:A:GLN:HA	1:422:A:LEU:HG	17	0.17
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	10	0.17
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	19	0.17
(1,1002)	1:435:A:LYS:HE2	1:437:A:PHE:HA	3	0.17
(1,1002)	1:435:A:LYS:HE3	1:437:A:PHE:HA	3	0.17
(1,981)	1:432:A:ILE:HD11	1:452:A:SER:HB2	20	0.17
(1,981)	1:432:A:ILE:HD12	1:452:A:SER:HB2	20	0.17
(1,981)	1:432:A:ILE:HD13	1:452:A:SER:HB2	20	0.17
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	5	0.17
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	5	0.17
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	5	0.17
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	12	0.17
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	12	0.17
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	12	0.17
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	20	0.17
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	20	0.17
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	20	0.17
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	10	0.17
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	10	0.17
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	10	0.17
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	4	0.17
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	4	0.17
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	4	0.17
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	13	0.17
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	13	0.17
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	15	0.17
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	15	0.17
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	15	0.17
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	15	0.17
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	15	0.17
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	15	0.17
(1,946)	1:409:A:ILE:HA	1:479:A:GLN:H	20	0.17
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	9	0.17
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	9	0.17
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	9	0.17
(1,944)	1:431:A:VAL:HG21	1:451:A:VAL:HB	18	0.17
(1,944)	1:431:A:VAL:HG22	1:451:A:VAL:HB	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,944)	1:431:A:VAL:HG23	1:451:A:VAL:HB	18	0.17
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	8	0.17
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	6	0.17
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	6	0.17
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	14	0.17
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	14	0.17
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	3	0.17
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	3	0.17
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	2	0.17
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	2	0.17
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	2	0.17
(1,915)	1:421:A:ILE:HD11	1:449:A:GLY:H	17	0.17
(1,915)	1:421:A:ILE:HD12	1:449:A:GLY:H	17	0.17
(1,915)	1:421:A:ILE:HD13	1:449:A:GLY:H	17	0.17
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD1	12	0.17
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD2	12	0.17
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD1	12	0.17
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD2	12	0.17
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD1	12	0.17
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD2	12	0.17
(1,898)	1:421:A:ILE:HD11	1:451:A:VAL:HB	11	0.17
(1,898)	1:421:A:ILE:HD12	1:451:A:VAL:HB	11	0.17
(1,898)	1:421:A:ILE:HD13	1:451:A:VAL:HB	11	0.17
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	4	0.17
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	4	0.17
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	4	0.17
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	5	0.17
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	5	0.17
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	5	0.17
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	19	0.17
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	19	0.17
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	19	0.17
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	7	0.17
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	7	0.17
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	7	0.17
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	5	0.17
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	19	0.17
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	19	0.17
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	19	0.17
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	19	0.17
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	19	0.17
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	6	0.17
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	6	0.17
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	6	0.17
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	3	0.17
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	5	0.17
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	5	0.17
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	6	0.17
(1,835)	1:442:A:THR:H	1:443:A:ASN:HB3	16	0.17
(1,829)	1:440:A:LYS:HA	1:443:A:ASN:HB3	9	0.17
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	18	0.17
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	18	0.17
(1,806)	1:463:A:ILE:HB	1:467:A:ASN:HB3	16	0.17
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	5	0.17
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	5	0.17
(1,796)	1:435:A:LYS:HE2	1:436:A:VAL:HA	16	0.17
(1,796)	1:435:A:LYS:HE3	1:436:A:VAL:HA	16	0.17
(1,793)	1:422:A:LEU:HA	1:425:A:PHE:HB3	9	0.17
(1,792)	1:485:A:ASN:HB3	1:486:A:ASP:HA	1	0.17
(1,784)	1:436:A:VAL:HA	1:449:A:GLY:HA3	12	0.17
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	8	0.17
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	8	0.17
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	8	0.17
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	8	0.17
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	8	0.17
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	8	0.17
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	8	0.17
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	8	0.17
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	8	0.17
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	6	0.17
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	6	0.17
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	6	0.17
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	20	0.17
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	20	0.17
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	20	0.17
(1,769)	1:409:A:ILE:HD11	1:450:A:PHE:H	13	0.17
(1,769)	1:409:A:ILE:HD12	1:450:A:PHE:H	13	0.17
(1,769)	1:409:A:ILE:HD13	1:450:A:PHE:H	13	0.17
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	7	0.17
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	7	0.17
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	7	0.17
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG11	2	0.17
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG12	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG13	2	0.17
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG11	9	0.17
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG12	9	0.17
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG13	9	0.17
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG11	12	0.17
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG12	12	0.17
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG13	12	0.17
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE1	2	0.17
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE2	2	0.17
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE1	5	0.17
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE2	5	0.17
(1,753)	1:402:A:PRO:HA	1:404:A:GLY:H	19	0.17
(1,748)	1:416:A:PHE:H	1:416:A:PHE:HB3	14	0.17
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	19	0.17
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	1	0.17
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	2	0.17
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	1	0.17
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	10	0.17
(1,729)	1:432:A:ILE:HA	1:453:A:TYR:HA	11	0.17
(1,729)	1:432:A:ILE:HA	1:453:A:TYR:HA	19	0.17
(1,720)	1:471:A:ILE:HB	1:474:A:LYS:H	2	0.17
(1,720)	1:471:A:ILE:HB	1:474:A:LYS:H	6	0.17
(1,713)	1:429:A:GLY:HA3	1:458:A:SER:HB2	20	0.17
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD2	12	0.17
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD3	12	0.17
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	6	0.17
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	6	0.17
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	6	0.17
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	7	0.17
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	7	0.17
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	7	0.17
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	18	0.17
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	18	0.17
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	18	0.17
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG21	18	0.17
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG22	18	0.17
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG23	18	0.17
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG21	18	0.17
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG22	18	0.17
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG23	18	0.17
(1,683)	1:469:A:PHE:HE1	1:471:A:ILE:HG21	4	0.17
(1,683)	1:469:A:PHE:HE1	1:471:A:ILE:HG22	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,683)	1:469:A:PHE:HE1	1:471:A:ILE:HG23	4	0.17
(1,683)	1:469:A:PHE:HE2	1:471:A:ILE:HG21	4	0.17
(1,683)	1:469:A:PHE:HE2	1:471:A:ILE:HG22	4	0.17
(1,683)	1:469:A:PHE:HE2	1:471:A:ILE:HG23	4	0.17
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	12	0.17
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	12	0.17
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	12	0.17
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	5	0.17
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	5	0.17
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	5	0.17
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	5	0.17
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	13	0.17
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	16	0.17
(1,668)	1:438:A:ILE:HB	1:440:A:LYS:H	2	0.17
(1,668)	1:438:A:ILE:HB	1:440:A:LYS:H	13	0.17
(1,661)	1:417:A:GLY:HA3	1:418:A:ASP:HB3	9	0.17
(1,659)	1:489:A:PRO:HA	1:490:A:TYR:H	11	0.17
(1,631)	1:444:A:LEU:HD11	1:445:A:SER:HB2	13	0.17
(1,631)	1:444:A:LEU:HD12	1:445:A:SER:HB2	13	0.17
(1,631)	1:444:A:LEU:HD13	1:445:A:SER:HB2	13	0.17
(1,631)	1:444:A:LEU:HD21	1:445:A:SER:HB2	13	0.17
(1,631)	1:444:A:LEU:HD22	1:445:A:SER:HB2	13	0.17
(1,631)	1:444:A:LEU:HD23	1:445:A:SER:HB2	13	0.17
(1,622)	1:402:A:PRO:HD2	1:454:A:ASP:HB3	1	0.17
(1,622)	1:402:A:PRO:HD2	1:454:A:ASP:HB3	3	0.17
(1,622)	1:402:A:PRO:HD2	1:454:A:ASP:HB3	13	0.17
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	6	0.17
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	6	0.17
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	6	0.17
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	13	0.17
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	13	0.17
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	13	0.17
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	4	0.17
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	4	0.17
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	4	0.17
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	4	0.17
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	4	0.17
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	4	0.17
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	15	0.17
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	15	0.17
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	15	0.17
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	5	0.17
(1,594)	1:468:A:GLY:HA2	1:469:A:PHE:HB3	19	0.17
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB1	4	0.17
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB2	4	0.17
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB3	4	0.17
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB1	20	0.17
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB2	20	0.17
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB3	20	0.17
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	8	0.17
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	8	0.17
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	8	0.17
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	15	0.17
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	15	0.17
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	15	0.17
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	15	0.17
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	15	0.17
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	15	0.17
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	15	0.17
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	15	0.17
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	15	0.17
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	6	0.17
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	6	0.17
(1,570)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	6	0.17
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	6	0.17
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	6	0.17
(1,570)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	6	0.17
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	6	0.17
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	6	0.17
(1,570)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	6	0.17
(1,568)	1:418:A:ASP:HA	1:421:A:ILE:HG21	8	0.17
(1,568)	1:418:A:ASP:HA	1:421:A:ILE:HG22	8	0.17
(1,568)	1:418:A:ASP:HA	1:421:A:ILE:HG23	8	0.17
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	2	0.17
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	2	0.17
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	2	0.17
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	6	0.17
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	6	0.17
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	6	0.17
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	15	0.17
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	15	0.17
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	15	0.17
(1,555)	1:421:A:ILE:HG21	1:436:A:VAL:H	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:421:A:ILE:HG22	1:436:A:VAL:H	20	0.17
(1,555)	1:421:A:ILE:HG23	1:436:A:VAL:H	20	0.17
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	4	0.17
(1,534)	1:455:A:ASN:H	1:455:A:ASN:HB3	9	0.17
(1,534)	1:455:A:ASN:H	1:455:A:ASN:HB3	12	0.17
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG21	20	0.17
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG22	20	0.17
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG23	20	0.17
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE1	18	0.17
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE2	18	0.17
(1,504)	1:481:A:LYS:HE2	1:482:A:ARG:H	19	0.17
(1,504)	1:481:A:LYS:HE3	1:482:A:ARG:H	19	0.17
(1,500)	1:440:A:LYS:HE2	1:441:A:GLN:HG2	15	0.17
(1,500)	1:440:A:LYS:HE3	1:441:A:GLN:HG2	15	0.17
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD11	15	0.17
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD12	15	0.17
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD13	15	0.17
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD21	15	0.17
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD22	15	0.17
(1,497)	1:440:A:LYS:HE2	1:444:A:LEU:HD23	15	0.17
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD11	15	0.17
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD12	15	0.17
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD13	15	0.17
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD21	15	0.17
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD22	15	0.17
(1,497)	1:440:A:LYS:HE3	1:444:A:LEU:HD23	15	0.17
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE2	8	0.17
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE3	8	0.17
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE2	16	0.17
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE3	16	0.17
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE2	19	0.17
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE3	19	0.17
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	1	0.17
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	1	0.17
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	1	0.17
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE2	1	0.17
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE3	1	0.17
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	10	0.17
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	10	0.17
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB2	3	0.17
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB3	3	0.17
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB2	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB3	3	0.17
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB2	3	0.17
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB3	3	0.17
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB2	20	0.17
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB3	20	0.17
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB2	20	0.17
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB3	20	0.17
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB2	20	0.17
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB3	20	0.17
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG21	15	0.17
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG22	15	0.17
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG23	15	0.17
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	3	0.17
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	3	0.17
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	16	0.17
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	16	0.17
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	3	0.17
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	14	0.17
(1,441)	1:433:A:SER:HB3	1:452:A:SER:HB3	4	0.17
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	13	0.17
(1,437)	1:433:A:SER:HB3	1:452:A:SER:H	20	0.17
(1,416)	1:453:A:TYR:HB2	1:459:A:ALA:H	10	0.17
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	1	0.17
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	1	0.17
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB2	5	0.17
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB3	5	0.17
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB2	5	0.17
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB3	5	0.17
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB2	5	0.17
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB3	5	0.17
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB2	11	0.17
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB3	11	0.17
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB2	11	0.17
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB3	11	0.17
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB2	11	0.17
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB3	11	0.17
(1,406)	1:482:A:ARG:HA	1:482:A:ARG:HD2	12	0.17
(1,406)	1:482:A:ARG:HA	1:482:A:ARG:HD3	12	0.17
(1,406)	1:482:A:ARG:HA	1:482:A:ARG:HD2	19	0.17
(1,406)	1:482:A:ARG:HA	1:482:A:ARG:HD3	19	0.17
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	6	0.17
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	19	0.17
(1,395)	1:405:A:ALA:HB1	1:452:A:SER:HB2	12	0.17
(1,395)	1:405:A:ALA:HB2	1:452:A:SER:HB2	12	0.17
(1,395)	1:405:A:ALA:HB3	1:452:A:SER:HB2	12	0.17
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB2	10	0.17
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB3	10	0.17
(1,382)	1:475:A:ARG:HD2	1:476:A:LEU:H	2	0.17
(1,379)	1:475:A:ARG:HA	1:475:A:ARG:HD2	5	0.17
(1,378)	1:470:A:GLN:HE21	1:475:A:ARG:HD2	12	0.17
(1,376)	1:475:A:ARG:H	1:475:A:ARG:HD3	3	0.17
(1,376)	1:475:A:ARG:H	1:475:A:ARG:HD3	15	0.17
(1,367)	1:433:A:SER:H	1:452:A:SER:HB2	7	0.17
(1,365)	1:409:A:ILE:HG21	1:425:A:PHE:HD1	3	0.17
(1,365)	1:409:A:ILE:HG21	1:425:A:PHE:HD2	3	0.17
(1,365)	1:409:A:ILE:HG22	1:425:A:PHE:HD1	3	0.17
(1,365)	1:409:A:ILE:HG22	1:425:A:PHE:HD2	3	0.17
(1,365)	1:409:A:ILE:HG23	1:425:A:PHE:HD1	3	0.17
(1,365)	1:409:A:ILE:HG23	1:425:A:PHE:HD2	3	0.17
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	18	0.17
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	5	0.17
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	5	0.17
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	5	0.17
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	17	0.17
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	17	0.17
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	17	0.17
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG11	8	0.17
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG12	8	0.17
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG13	8	0.17
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	10	0.17
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	20	0.17
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	9	0.17
(1,318)	1:434:A:ALA:HA	1:450:A:PHE:HB2	16	0.17
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	18	0.17
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	18	0.17
(1,293)	1:436:A:VAL:HG11	1:449:A:GLY:HA2	14	0.17
(1,293)	1:436:A:VAL:HG12	1:449:A:GLY:HA2	14	0.17
(1,293)	1:436:A:VAL:HG13	1:449:A:GLY:HA2	14	0.17
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG11	18	0.17
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG12	18	0.17
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG13	18	0.17
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	3	0.17
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	3	0.17
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	7	0.17
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	7	0.17
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	7	0.17
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	7	0.17
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	7	0.17
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	7	0.17
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	7	0.17
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	7	0.17
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	7	0.17
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	12	0.17
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	12	0.17
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	12	0.17
(1,229)	1:451:A:VAL:HG21	1:452:A:SER:H	12	0.17
(1,229)	1:451:A:VAL:HG22	1:452:A:SER:H	12	0.17
(1,229)	1:451:A:VAL:HG23	1:452:A:SER:H	12	0.17
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE1	6	0.17
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE2	6	0.17
(1,217)	1:429:A:GLY:HA3	1:455:A:ASN:HD21	2	0.17
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG21	14	0.17
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG22	14	0.17
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG23	14	0.17
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG21	14	0.17
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG22	14	0.17
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG23	14	0.17
(1,204)	1:457:A:VAL:HG11	1:459:A:ALA:H	8	0.17
(1,204)	1:457:A:VAL:HG12	1:459:A:ALA:H	8	0.17
(1,204)	1:457:A:VAL:HG13	1:459:A:ALA:H	8	0.17
(1,204)	1:457:A:VAL:HG21	1:459:A:ALA:H	8	0.17
(1,204)	1:457:A:VAL:HG22	1:459:A:ALA:H	8	0.17
(1,204)	1:457:A:VAL:HG23	1:459:A:ALA:H	8	0.17
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	9	0.17
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	9	0.17
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	9	0.17
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	9	0.17
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	9	0.17
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	9	0.17
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	19	0.17
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	19	0.17
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	19	0.17
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	19	0.17
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	19	0.17
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	4	0.17
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	4	0.17
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	4	0.17
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	4	0.17
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	4	0.17
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	4	0.17
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	4	0.17
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	4	0.17
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	4	0.17
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	16	0.17
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	16	0.17
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	16	0.17
(1,171)	1:426:A:MET:H	1:431:A:VAL:HG11	3	0.17
(1,171)	1:426:A:MET:H	1:431:A:VAL:HG12	3	0.17
(1,171)	1:426:A:MET:H	1:431:A:VAL:HG13	3	0.17
(1,170)	1:431:A:VAL:HG11	1:451:A:VAL:HB	13	0.17
(1,170)	1:431:A:VAL:HG12	1:451:A:VAL:HB	13	0.17
(1,170)	1:431:A:VAL:HG13	1:451:A:VAL:HB	13	0.17
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	2	0.17
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	13	0.17
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	17	0.17
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD11	6	0.17
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD12	6	0.17
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD13	6	0.17
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD21	6	0.17
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD22	6	0.17
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD23	6	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD11	4	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD12	4	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD13	4	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD21	4	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD22	4	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD23	4	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD11	10	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD12	10	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD13	10	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD21	10	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD22	10	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD23	10	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD11	12	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD12	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD13	12	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD21	12	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD22	12	0.17
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD23	12	0.17
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD11	18	0.17
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD12	18	0.17
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD13	18	0.17
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD21	18	0.17
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD22	18	0.17
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD23	18	0.17
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	6	0.17
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	6	0.17
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	6	0.17
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	6	0.17
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	6	0.17
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	6	0.17
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	6	0.17
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	6	0.17
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	6	0.17
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	6	0.17
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	6	0.17
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	6	0.17
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	6	0.17
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	6	0.17
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	6	0.17
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	6	0.17
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	6	0.17
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	6	0.17
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	19	0.17
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	19	0.17
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	19	0.17
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	19	0.17
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	19	0.17
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	19	0.17
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	19	0.17
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	19	0.17
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	19	0.17
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	19	0.17
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	19	0.17
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	19	0.17
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	19	0.17
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	19	0.17
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	19	0.17
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	19	0.17
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	19	0.17
(1,138)	1:422:A:LEU:HD11	1:431:A:VAL:H	13	0.17
(1,138)	1:422:A:LEU:HD12	1:431:A:VAL:H	13	0.17
(1,138)	1:422:A:LEU:HD13	1:431:A:VAL:H	13	0.17
(1,138)	1:422:A:LEU:HD21	1:431:A:VAL:H	13	0.17
(1,138)	1:422:A:LEU:HD22	1:431:A:VAL:H	13	0.17
(1,138)	1:422:A:LEU:HD23	1:431:A:VAL:H	13	0.17
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	10	0.17
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	10	0.17
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	10	0.17
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	10	0.17
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	10	0.17
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	10	0.17
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	10	0.17
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	10	0.17
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	10	0.17
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	10	0.17
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	10	0.17
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	10	0.17
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	19	0.17
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	19	0.17
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	19	0.17
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	18	0.17
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	18	0.17
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	18	0.17
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	18	0.17
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	18	0.17
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	18	0.17
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	12	0.17
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	12	0.17
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	12	0.17
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	12	0.17
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	12	0.17
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	12	0.17
(1,85)	1:480:A:LEU:HD11	1:481:A:LYS:H	1	0.17
(1,85)	1:480:A:LEU:HD12	1:481:A:LYS:H	1	0.17
(1,85)	1:480:A:LEU:HD13	1:481:A:LYS:H	1	0.17
(1,85)	1:480:A:LEU:HD21	1:481:A:LYS:H	1	0.17
(1,85)	1:480:A:LEU:HD22	1:481:A:LYS:H	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:480:A:LEU:HD23	1:481:A:LYS:H	1	0.17
(1,85)	1:480:A:LEU:HD11	1:481:A:LYS:H	2	0.17
(1,85)	1:480:A:LEU:HD12	1:481:A:LYS:H	2	0.17
(1,85)	1:480:A:LEU:HD13	1:481:A:LYS:H	2	0.17
(1,85)	1:480:A:LEU:HD21	1:481:A:LYS:H	2	0.17
(1,85)	1:480:A:LEU:HD22	1:481:A:LYS:H	2	0.17
(1,85)	1:480:A:LEU:HD23	1:481:A:LYS:H	2	0.17
(1,60)	1:480:A:LEU:HG	1:481:A:LYS:H	19	0.17
(1,59)	1:474:A:LYS:H	1:474:A:LYS:HG2	14	0.17
(1,58)	1:474:A:LYS:H	1:474:A:LYS:HG3	7	0.17
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	3	0.17
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	3	0.17
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	3	0.17
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	3	0.17
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	3	0.17
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	3	0.17
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	3	0.17
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	3	0.17
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	3	0.17
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	3	0.17
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	3	0.17
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	3	0.17
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	3	0.17
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	3	0.17
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	3	0.17
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	3	0.17
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	3	0.17
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	3	0.17
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	11	0.17
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	11	0.17
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	11	0.17
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	11	0.17
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	11	0.17
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	11	0.17
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	11	0.17
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	11	0.17
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	11	0.17
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	11	0.17
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	11	0.17
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	11	0.17
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	11	0.17
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	11	0.17
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	11	0.17
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	11	0.17
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	11	0.17
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	19	0.17
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	19	0.17
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	19	0.17
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	19	0.17
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	19	0.17
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	19	0.17
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	19	0.17
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	19	0.17
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	19	0.17
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	19	0.17
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	19	0.17
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	19	0.17
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	19	0.17
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	19	0.17
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	19	0.17
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	19	0.17
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	19	0.17
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	19	0.17
(1,37)	1:469:A:PHE:HB3	1:476:A:LEU:HG	6	0.17
(1,37)	1:469:A:PHE:HB3	1:476:A:LEU:HG	12	0.17
(1,36)	1:425:A:PHE:HE1	1:476:A:LEU:HG	7	0.17
(1,36)	1:425:A:PHE:HE2	1:476:A:LEU:HG	7	0.17
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	5	0.17
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	5	0.17
(1,31)	1:402:A:PRO:HD3	1:455:A:ASN:H	9	0.17
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	9	0.17
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	9	0.17
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	9	0.17
(1,13)	1:407:A:LEU:HG	1:459:A:ALA:HA	13	0.17
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	9	0.17
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	11	0.17
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	14	0.17
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	16	0.17
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	4	0.16
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	4	0.16
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	4	0.16
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	4	0.16
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	4	0.16
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG2	14	0.16
(1,2425)	1:411:A:HIS:HD2	1:477:A:LYS:HG3	14	0.16
(1,2417)	1:416:A:PHE:HD1	1:417:A:GLY:H	4	0.16
(1,2417)	1:416:A:PHE:HD2	1:417:A:GLY:H	4	0.16
(1,2417)	1:416:A:PHE:HD1	1:417:A:GLY:H	14	0.16
(1,2417)	1:416:A:PHE:HD2	1:417:A:GLY:H	14	0.16
(1,2417)	1:416:A:PHE:HD1	1:417:A:GLY:H	16	0.16
(1,2417)	1:416:A:PHE:HD2	1:417:A:GLY:H	16	0.16
(1,2415)	1:416:A:PHE:HD1	1:421:A:ILE:HG12	12	0.16
(1,2415)	1:416:A:PHE:HD2	1:421:A:ILE:HG12	12	0.16
(1,2410)	1:408:A:PHE:HE1	1:450:A:PHE:HE1	17	0.16
(1,2410)	1:408:A:PHE:HE1	1:450:A:PHE:HE2	17	0.16
(1,2410)	1:408:A:PHE:HE2	1:450:A:PHE:HE1	17	0.16
(1,2410)	1:408:A:PHE:HE2	1:450:A:PHE:HE2	17	0.16
(1,2409)	1:408:A:PHE:HE1	1:452:A:SER:H	7	0.16
(1,2409)	1:408:A:PHE:HE2	1:452:A:SER:H	7	0.16
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	8	0.16
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	8	0.16
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	8	0.16
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	8	0.16
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	8	0.16
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	8	0.16
(1,2403)	1:416:A:PHE:HE1	1:425:A:PHE:HE1	13	0.16
(1,2403)	1:416:A:PHE:HE1	1:425:A:PHE:HE2	13	0.16
(1,2403)	1:416:A:PHE:HE2	1:425:A:PHE:HE1	13	0.16
(1,2403)	1:416:A:PHE:HE2	1:425:A:PHE:HE2	13	0.16
(1,2401)	1:398:A:GLN:HG2	1:408:A:PHE:HE1	16	0.16
(1,2401)	1:398:A:GLN:HG2	1:408:A:PHE:HE2	16	0.16
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	2	0.16
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	2	0.16
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	2	0.16
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	2	0.16
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	2	0.16
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	2	0.16
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	18	0.16
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	18	0.16
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	18	0.16
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	18	0.16
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	18	0.16
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	18	0.16
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	14	0.16
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	20	0.16
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	20	0.16
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE1	3	0.16
(1,2392)	1:412:A:LEU:HD11	1:416:A:PHE:HE2	3	0.16
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE1	3	0.16
(1,2392)	1:412:A:LEU:HD12	1:416:A:PHE:HE2	3	0.16
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE1	3	0.16
(1,2392)	1:412:A:LEU:HD13	1:416:A:PHE:HE2	3	0.16
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE1	3	0.16
(1,2392)	1:412:A:LEU:HD21	1:416:A:PHE:HE2	3	0.16
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE1	3	0.16
(1,2392)	1:412:A:LEU:HD22	1:416:A:PHE:HE2	3	0.16
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE1	3	0.16
(1,2392)	1:412:A:LEU:HD23	1:416:A:PHE:HE2	3	0.16
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	5	0.16
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	5	0.16
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	5	0.16
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	5	0.16
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	5	0.16
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	5	0.16
(1,2390)	1:416:A:PHE:HE1	1:420:A:ASP:HB2	20	0.16
(1,2390)	1:416:A:PHE:HE2	1:420:A:ASP:HB2	20	0.16
(1,2387)	1:416:A:PHE:HE1	1:421:A:ILE:HA	6	0.16
(1,2387)	1:416:A:PHE:HE2	1:421:A:ILE:HA	6	0.16
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD1	9	0.16
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD2	9	0.16
(1,2375)	1:437:A:PHE:HD1	1:438:A:ILE:H	11	0.16
(1,2375)	1:437:A:PHE:HD2	1:438:A:ILE:H	11	0.16
(1,2373)	1:408:A:PHE:HE1	1:450:A:PHE:HD1	6	0.16
(1,2373)	1:408:A:PHE:HE1	1:450:A:PHE:HD2	6	0.16
(1,2373)	1:408:A:PHE:HE2	1:450:A:PHE:HD1	6	0.16
(1,2373)	1:408:A:PHE:HE2	1:450:A:PHE:HD2	6	0.16
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	15	0.16
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	15	0.16
(1,2366)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	8	0.16
(1,2366)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	8	0.16
(1,2366)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	8	0.16
(1,2366)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	8	0.16
(1,2366)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	8	0.16
(1,2366)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	8	0.16
(1,2366)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2366)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	17	0.16
(1,2366)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	17	0.16
(1,2366)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	17	0.16
(1,2366)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	17	0.16
(1,2366)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	17	0.16
(1,2358)	1:453:A:TYR:HD1	1:458:A:SER:HB3	8	0.16
(1,2358)	1:453:A:TYR:HD2	1:458:A:SER:HB3	8	0.16
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD1	6	0.16
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD2	6	0.16
(1,2346)	1:409:A:ILE:HG21	1:448:A:PHE:HD1	15	0.16
(1,2346)	1:409:A:ILE:HG21	1:448:A:PHE:HD2	15	0.16
(1,2346)	1:409:A:ILE:HG22	1:448:A:PHE:HD1	15	0.16
(1,2346)	1:409:A:ILE:HG22	1:448:A:PHE:HD2	15	0.16
(1,2346)	1:409:A:ILE:HG23	1:448:A:PHE:HD1	15	0.16
(1,2346)	1:409:A:ILE:HG23	1:448:A:PHE:HD2	15	0.16
(1,2340)	1:448:A:PHE:HD1	1:449:A:GLY:H	4	0.16
(1,2340)	1:448:A:PHE:HD2	1:449:A:GLY:H	4	0.16
(1,2338)	1:409:A:ILE:HG21	1:410:A:TYR:HD1	8	0.16
(1,2338)	1:409:A:ILE:HG21	1:410:A:TYR:HD2	8	0.16
(1,2338)	1:409:A:ILE:HG22	1:410:A:TYR:HD1	8	0.16
(1,2338)	1:409:A:ILE:HG22	1:410:A:TYR:HD2	8	0.16
(1,2338)	1:409:A:ILE:HG23	1:410:A:TYR:HD1	8	0.16
(1,2338)	1:409:A:ILE:HG23	1:410:A:TYR:HD2	8	0.16
(1,2338)	1:409:A:ILE:HG21	1:410:A:TYR:HD1	18	0.16
(1,2338)	1:409:A:ILE:HG21	1:410:A:TYR:HD2	18	0.16
(1,2338)	1:409:A:ILE:HG22	1:410:A:TYR:HD1	18	0.16
(1,2338)	1:409:A:ILE:HG22	1:410:A:TYR:HD2	18	0.16
(1,2338)	1:409:A:ILE:HG23	1:410:A:TYR:HD1	18	0.16
(1,2338)	1:409:A:ILE:HG23	1:410:A:TYR:HD2	18	0.16
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	19	0.16
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	19	0.16
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	19	0.16
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	19	0.16
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	17	0.16
(1,2297)	1:428:A:PHE:HE1	1:466:A:MET:H	19	0.16
(1,2297)	1:428:A:PHE:HE2	1:466:A:MET:H	19	0.16
(1,2297)	1:428:A:PHE:HE1	1:466:A:MET:H	20	0.16
(1,2297)	1:428:A:PHE:HE2	1:466:A:MET:H	20	0.16
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	16	0.16
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	18	0.16
(1,2290)	1:470:A:GLN:HA	1:470:A:GLN:HE21	19	0.16
(1,2287)	1:470:A:GLN:HB2	1:470:A:GLN:HE22	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2286)	1:456:A:PRO:HB2	1:460:A:GLN:HE22	1	0.16
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	7	0.16
(1,2277)	1:464:A:GLN:HA	1:464:A:GLN:HE22	9	0.16
(1,2275)	1:419:A:GLN:H	1:419:A:GLN:HE22	19	0.16
(1,2274)	1:456:A:PRO:HB3	1:460:A:GLN:HE22	17	0.16
(1,2272)	1:438:A:ILE:HG21	1:443:A:ASN:HD21	12	0.16
(1,2272)	1:438:A:ILE:HG22	1:443:A:ASN:HD21	12	0.16
(1,2272)	1:438:A:ILE:HG23	1:443:A:ASN:HD21	12	0.16
(1,2242)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	18	0.16
(1,2240)	1:445:A:SER:HB3	1:479:A:GLN:HE22	14	0.16
(1,2240)	1:445:A:SER:HB3	1:479:A:GLN:HE22	20	0.16
(1,2233)	1:484:A:LYS:HG2	1:485:A:ASN:HD22	16	0.16
(1,2233)	1:484:A:LYS:HG3	1:485:A:ASN:HD22	16	0.16
(1,2232)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	11	0.16
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG21	2	0.16
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG22	2	0.16
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG23	2	0.16
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG21	15	0.16
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG22	15	0.16
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG23	15	0.16
(1,2214)	1:430:A:ASN:HD22	1:432:A:ILE:HG21	8	0.16
(1,2214)	1:430:A:ASN:HD22	1:432:A:ILE:HG22	8	0.16
(1,2214)	1:430:A:ASN:HD22	1:432:A:ILE:HG23	8	0.16
(1,2206)	1:430:A:ASN:H	1:430:A:ASN:HD21	13	0.16
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG11	14	0.16
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG12	14	0.16
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG13	14	0.16
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG11	15	0.16
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG12	15	0.16
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG13	15	0.16
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG11	17	0.16
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG12	17	0.16
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG13	17	0.16
(1,2185)	1:454:A:ASP:H	1:455:A:ASN:H	13	0.16
(1,2170)	1:455:A:ASN:HD21	1:458:A:SER:HB3	3	0.16
(1,2167)	1:453:A:TYR:HD1	1:455:A:ASN:HD21	17	0.16
(1,2167)	1:453:A:TYR:HD2	1:455:A:ASN:HD21	17	0.16
(1,2160)	1:455:A:ASN:HD22	1:457:A:VAL:H	17	0.16
(1,2156)	1:414:A:GLN:HG3	1:415:A:GLU:H	18	0.16
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD11	16	0.16
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD12	16	0.16
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD13	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD21	16	0.16
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD22	16	0.16
(1,2151)	1:406:A:ASN:H	1:407:A:LEU:HD23	16	0.16
(1,2148)	1:404:A:GLY:HA3	1:406:A:ASN:H	14	0.16
(1,2148)	1:404:A:GLY:HA3	1:406:A:ASN:H	15	0.16
(1,2125)	1:420:A:ASP:HA	1:423:A:GLN:H	20	0.16
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	2	0.16
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	3	0.16
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	8	0.16
(1,2109)	1:419:A:GLN:H	1:420:A:ASP:H	12	0.16
(1,2104)	1:418:A:ASP:HA	1:421:A:ILE:H	13	0.16
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	2	0.16
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	7	0.16
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	1	0.16
(1,2083)	1:463:A:ILE:HB	1:465:A:ALA:H	1	0.16
(1,2083)	1:463:A:ILE:HB	1:465:A:ALA:H	2	0.16
(1,2083)	1:463:A:ILE:HB	1:465:A:ALA:H	15	0.16
(1,2083)	1:463:A:ILE:HB	1:465:A:ALA:H	19	0.16
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	13	0.16
(1,2074)	1:441:A:GLN:H	1:441:A:GLN:HB3	7	0.16
(1,2074)	1:441:A:GLN:H	1:441:A:GLN:HB3	17	0.16
(1,2072)	1:441:A:GLN:H	1:443:A:ASN:H	20	0.16
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	2	0.16
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	14	0.16
(1,2054)	1:400:A:GLU:HB3	1:406:A:ASN:HD21	5	0.16
(1,2054)	1:400:A:GLU:HB3	1:406:A:ASN:HD21	8	0.16
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	20	0.16
(1,2044)	1:444:A:LEU:H	1:444:A:LEU:HB3	6	0.16
(1,2033)	1:458:A:SER:H	1:458:A:SER:HB3	14	0.16
(1,2031)	1:482:A:ARG:HB3	1:483:A:SER:H	2	0.16
(1,2031)	1:482:A:ARG:HB3	1:483:A:SER:H	11	0.16
(1,2031)	1:482:A:ARG:HB3	1:483:A:SER:H	14	0.16
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	19	0.16
(1,2026)	1:468:A:GLY:H	1:477:A:LYS:HA	9	0.16
(1,2026)	1:468:A:GLY:H	1:477:A:LYS:HA	17	0.16
(1,2025)	1:468:A:GLY:H	1:478:A:VAL:H	7	0.16
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	7	0.16
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	9	0.16
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB2	9	0.16
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB3	9	0.16
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	5	0.16
(1,2000)	1:403:A:GLU:H	1:403:A:GLU:HB2	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2000)	1:403:A:GLU:H	1:403:A:GLU:HB2	9	0.16
(1,2000)	1:403:A:GLU:H	1:403:A:GLU:HB2	16	0.16
(1,2000)	1:403:A:GLU:H	1:403:A:GLU:HB2	17	0.16
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	12	0.16
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	16	0.16
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	17	0.16
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	18	0.16
(1,1974)	1:411:A:HIS:HB3	1:475:A:ARG:H	19	0.16
(1,1966)	1:403:A:GLU:HA	1:405:A:ALA:H	2	0.16
(1,1966)	1:403:A:GLU:HA	1:405:A:ALA:H	4	0.16
(1,1966)	1:403:A:GLU:HA	1:405:A:ALA:H	8	0.16
(1,1960)	1:436:A:VAL:HA	1:450:A:PHE:H	12	0.16
(1,1959)	1:435:A:LYS:H	1:450:A:PHE:H	18	0.16
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE1	10	0.16
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE2	10	0.16
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	19	0.16
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	8	0.16
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	9	0.16
(1,1937)	1:409:A:ILE:H	1:450:A:PHE:HA	16	0.16
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	7	0.16
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	7	0.16
(1,1932)	1:435:A:LYS:H	1:435:A:LYS:HG2	11	0.16
(1,1914)	1:399:A:LYS:HB2	1:400:A:GLU:H	4	0.16
(1,1914)	1:399:A:LYS:HB3	1:400:A:GLU:H	4	0.16
(1,1911)	1:400:A:GLU:H	1:433:A:SER:HB3	7	0.16
(1,1911)	1:400:A:GLU:H	1:433:A:SER:HB3	12	0.16
(1,1906)	1:435:A:LYS:HE2	1:438:A:ILE:H	9	0.16
(1,1906)	1:435:A:LYS:HE3	1:438:A:ILE:H	9	0.16
(1,1902)	1:418:A:ASP:H	1:436:A:VAL:HB	5	0.16
(1,1895)	1:407:A:LEU:HD11	1:462:A:ALA:H	14	0.16
(1,1895)	1:407:A:LEU:HD12	1:462:A:ALA:H	14	0.16
(1,1895)	1:407:A:LEU:HD13	1:462:A:ALA:H	14	0.16
(1,1895)	1:407:A:LEU:HD21	1:462:A:ALA:H	14	0.16
(1,1895)	1:407:A:LEU:HD22	1:462:A:ALA:H	14	0.16
(1,1895)	1:407:A:LEU:HD23	1:462:A:ALA:H	14	0.16
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	11	0.16
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	1	0.16
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD1	9	0.16
(1,1871)	1:436:A:VAL:H	1:437:A:PHE:HD2	9	0.16
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD11	16	0.16
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD12	16	0.16
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD13	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1854)	1:422:A:LEU:H	1:422:A:LEU:HB2	18	0.16
(1,1849)	1:399:A:LYS:H	1:433:A:SER:HA	5	0.16
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	1	0.16
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD1	12	0.16
(1,1832)	1:407:A:LEU:H	1:408:A:PHE:HD2	12	0.16
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG21	2	0.16
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG22	2	0.16
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG23	2	0.16
(1,1826)	1:410:A:TYR:H	1:476:A:LEU:HA	1	0.16
(1,1826)	1:410:A:TYR:H	1:476:A:LEU:HA	14	0.16
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB2	11	0.16
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB3	11	0.16
(1,1818)	1:469:A:PHE:H	1:471:A:ILE:HG12	4	0.16
(1,1818)	1:469:A:PHE:H	1:471:A:ILE:HG13	4	0.16
(1,1805)	1:490:A:TYR:H	1:490:A:TYR:HB2	15	0.16
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	17	0.16
(1,1786)	1:409:A:ILE:HA	1:477:A:LYS:H	1	0.16
(1,1786)	1:409:A:ILE:HA	1:477:A:LYS:H	14	0.16
(1,1786)	1:409:A:ILE:HA	1:477:A:LYS:H	17	0.16
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	18	0.16
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	11	0.16
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	12	0.16
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	16	0.16
(1,1769)	1:446:A:LYS:H	1:447:A:CYS:H	16	0.16
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD1	12	0.16
(1,1766)	1:437:A:PHE:H	1:450:A:PHE:HD2	12	0.16
(1,1759)	1:471:A:ILE:H	1:476:A:LEU:H	19	0.16
(1,1733)	1:424:A:MET:HA	1:426:A:MET:H	20	0.16
(1,1732)	1:424:A:MET:H	1:426:A:MET:H	16	0.16
(1,1726)	1:432:A:ILE:H	1:453:A:TYR:HA	8	0.16
(1,1719)	1:469:A:PHE:HE1	1:470:A:GLN:H	18	0.16
(1,1719)	1:469:A:PHE:HE2	1:470:A:GLN:H	18	0.16
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	1	0.16
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	1	0.16
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	1	0.16
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	1	0.16
(1,1699)	1:422:A:LEU:HG	1:423:A:GLN:HE21	9	0.16
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB2	9	0.16
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB3	9	0.16
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB2	10	0.16
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB3	10	0.16
(1,1686)	1:422:A:LEU:HG	1:423:A:GLN:H	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD11	5	0.16
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD12	5	0.16
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD13	5	0.16
(1,1676)	1:402:A:PRO:HG2	1:456:A:PRO:HD3	2	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	1	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	1	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	1	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	1	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	1	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	1	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	1	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	1	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	1	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	1	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	1	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	1	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	18	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	18	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	18	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	18	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	18	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	18	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	18	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	18	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	18	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	18	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	18	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	18	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	20	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	20	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	20	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	20	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	20	0.16
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	20	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	20	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	20	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	20	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	20	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	20	0.16
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	20	0.16
(1,1672)	1:405:A:ALA:HB1	1:456:A:PRO:HG2	9	0.16
(1,1672)	1:405:A:ALA:HB1	1:456:A:PRO:HG3	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1672)	1:405:A:ALA:HB2	1:456:A:PRO:HG2	9	0.16
(1,1672)	1:405:A:ALA:HB2	1:456:A:PRO:HG3	9	0.16
(1,1672)	1:405:A:ALA:HB3	1:456:A:PRO:HG2	9	0.16
(1,1672)	1:405:A:ALA:HB3	1:456:A:PRO:HG3	9	0.16
(1,1672)	1:405:A:ALA:HB1	1:456:A:PRO:HG2	18	0.16
(1,1672)	1:405:A:ALA:HB1	1:456:A:PRO:HG3	18	0.16
(1,1672)	1:405:A:ALA:HB2	1:456:A:PRO:HG2	18	0.16
(1,1672)	1:405:A:ALA:HB2	1:456:A:PRO:HG3	18	0.16
(1,1672)	1:405:A:ALA:HB3	1:456:A:PRO:HG2	18	0.16
(1,1672)	1:405:A:ALA:HB3	1:456:A:PRO:HG3	18	0.16
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	4	0.16
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	4	0.16
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	17	0.16
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	17	0.16
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	19	0.16
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	19	0.16
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	13	0.16
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	13	0.16
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	16	0.16
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	16	0.16
(1,1661)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	14	0.16
(1,1661)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	14	0.16
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	13	0.16
(1,1650)	1:419:A:GLN:HB2	1:423:A:GLN:HE21	17	0.16
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG2	16	0.16
(1,1637)	1:475:A:ARG:H	1:475:A:ARG:HG3	16	0.16
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	2	0.16
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	11	0.16
(1,1607)	1:398:A:GLN:HB2	1:434:A:ALA:HA	5	0.16
(1,1607)	1:398:A:GLN:HB3	1:434:A:ALA:HA	5	0.16
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	19	0.16
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	19	0.16
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	17	0.16
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	17	0.16
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	17	0.16
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	1	0.16
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	9	0.16
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	7	0.16
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	7	0.16
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	9	0.16
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD1	18	0.16
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD2	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	1	0.16
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	1	0.16
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	6	0.16
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	6	0.16
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	9	0.16
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	9	0.16
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	13	0.16
(1,1543)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	13	0.16
(1,1542)	1:416:A:PHE:HE1	1:421:A:ILE:HG12	3	0.16
(1,1542)	1:416:A:PHE:HE2	1:421:A:ILE:HG12	3	0.16
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD2	7	0.16
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD3	7	0.16
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD2	7	0.16
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD3	7	0.16
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD2	7	0.16
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD3	7	0.16
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD2	9	0.16
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD3	9	0.16
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD2	9	0.16
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD3	9	0.16
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD2	9	0.16
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD3	9	0.16
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD2	16	0.16
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD3	16	0.16
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD2	16	0.16
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD3	16	0.16
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD2	16	0.16
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD3	16	0.16
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD2	19	0.16
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD3	19	0.16
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD2	19	0.16
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD3	19	0.16
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD2	19	0.16
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD3	19	0.16
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	15	0.16
(1,1535)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	15	0.16
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	15	0.16
(1,1535)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	15	0.16
(1,1532)	1:440:A:LYS:HD2	1:441:A:GLN:HB2	8	0.16
(1,1532)	1:440:A:LYS:HD3	1:441:A:GLN:HB2	8	0.16
(1,1529)	1:399:A:LYS:HA	1:399:A:LYS:HD2	6	0.16
(1,1529)	1:399:A:LYS:HA	1:399:A:LYS:HD3	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	2	0.16
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	2	0.16
(1,1516)	1:398:A:GLN:HB2	1:435:A:LYS:H	2	0.16
(1,1516)	1:398:A:GLN:HB3	1:435:A:LYS:H	2	0.16
(1,1515)	1:398:A:GLN:HB2	1:399:A:LYS:H	12	0.16
(1,1515)	1:398:A:GLN:HB3	1:399:A:LYS:H	12	0.16
(1,1515)	1:398:A:GLN:HB2	1:399:A:LYS:H	13	0.16
(1,1515)	1:398:A:GLN:HB3	1:399:A:LYS:H	13	0.16
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	4	0.16
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	10	0.16
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	11	0.16
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	11	0.16
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	11	0.16
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	18	0.16
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	20	0.16
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	14	0.16
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	15	0.16
(1,1484)	1:406:A:ASN:HA	1:451:A:VAL:H	4	0.16
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD1	11	0.16
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD2	11	0.16
(1,1478)	1:402:A:PRO:HG3	1:454:A:ASP:HA	15	0.16
(1,1472)	1:432:A:ILE:HG21	1:454:A:ASP:HA	15	0.16
(1,1472)	1:432:A:ILE:HG22	1:454:A:ASP:HA	15	0.16
(1,1472)	1:432:A:ILE:HG23	1:454:A:ASP:HA	15	0.16
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	18	0.16
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	18	0.16
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	18	0.16
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	4	0.16
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	4	0.16
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	4	0.16
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	4	0.16
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD11	2	0.16
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD12	2	0.16
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD13	2	0.16
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD21	2	0.16
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD22	2	0.16
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD23	2	0.16
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD11	3	0.16
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD12	3	0.16
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD13	3	0.16
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD21	3	0.16
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD22	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD23	3	0.16
(1,1430)	1:418:A:ASP:HB3	1:435:A:LYS:HA	5	0.16
(1,1430)	1:418:A:ASP:HB3	1:435:A:LYS:HA	16	0.16
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB2	4	0.16
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB3	4	0.16
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB2	12	0.16
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB3	12	0.16
(1,1418)	1:413:A:PRO:HB2	1:475:A:ARG:HA	9	0.16
(1,1418)	1:413:A:PRO:HB3	1:475:A:ARG:HA	9	0.16
(1,1418)	1:413:A:PRO:HB2	1:475:A:ARG:HA	19	0.16
(1,1418)	1:413:A:PRO:HB3	1:475:A:ARG:HA	19	0.16
(1,1417)	1:471:A:ILE:HB	1:475:A:ARG:HA	2	0.16
(1,1417)	1:471:A:ILE:HB	1:475:A:ARG:HA	3	0.16
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	4	0.16
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE2	10	0.16
(1,1407)	1:477:A:LYS:HA	1:477:A:LYS:HE3	10	0.16
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE1	15	0.16
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE2	15	0.16
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE1	15	0.16
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE2	15	0.16
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG11	6	0.16
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG12	6	0.16
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG13	6	0.16
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG11	6	0.16
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG12	6	0.16
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG13	6	0.16
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	5	0.16
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	5	0.16
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	7	0.16
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	7	0.16
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	12	0.16
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	12	0.16
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	15	0.16
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	15	0.16
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	10	0.16
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	10	0.16
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	10	0.16
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	10	0.16
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	10	0.16
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	10	0.16
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB1	9	0.16
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB2	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1355)	1:400:A:GLU:HB2	1:405:A:ALA:HB3	9	0.16
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	1	0.16
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	1	0.16
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	1	0.16
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	1	0.16
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	5	0.16
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	5	0.16
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	5	0.16
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	5	0.16
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	11	0.16
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	11	0.16
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	11	0.16
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	11	0.16
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG11	18	0.16
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG12	18	0.16
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG13	18	0.16
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG11	18	0.16
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG12	18	0.16
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG13	18	0.16
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG21	17	0.16
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG22	17	0.16
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG23	17	0.16
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG21	17	0.16
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG22	17	0.16
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG23	17	0.16
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	13	0.16
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	13	0.16
(1,1335)	1:422:A:LEU:HG	1:426:A:MET:HG2	13	0.16
(1,1335)	1:422:A:LEU:HG	1:426:A:MET:HG3	13	0.16
(1,1331)	1:466:A:MET:HB2	1:468:A:GLY:H	1	0.16
(1,1331)	1:466:A:MET:HB3	1:468:A:GLY:H	1	0.16
(1,1331)	1:466:A:MET:HB2	1:468:A:GLY:H	11	0.16
(1,1331)	1:466:A:MET:HB3	1:468:A:GLY:H	11	0.16
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	1	0.16
(1,1330)	1:473:A:MET:HB2	1:474:A:LYS:H	7	0.16
(1,1326)	1:411:A:HIS:H	1:448:A:PHE:HA	13	0.16
(1,1323)	1:422:A:LEU:HD11	1:431:A:VAL:HB	11	0.16
(1,1323)	1:422:A:LEU:HD12	1:431:A:VAL:HB	11	0.16
(1,1323)	1:422:A:LEU:HD13	1:431:A:VAL:HB	11	0.16
(1,1323)	1:422:A:LEU:HD21	1:431:A:VAL:HB	11	0.16
(1,1323)	1:422:A:LEU:HD22	1:431:A:VAL:HB	11	0.16
(1,1323)	1:422:A:LEU:HD23	1:431:A:VAL:HB	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1315)	1:413:A:PRO:HB2	1:416:A:PHE:HE1	12	0.16
(1,1315)	1:413:A:PRO:HB2	1:416:A:PHE:HE2	12	0.16
(1,1315)	1:413:A:PRO:HB3	1:416:A:PHE:HE1	12	0.16
(1,1315)	1:413:A:PRO:HB3	1:416:A:PHE:HE2	12	0.16
(1,1312)	1:472:A:GLY:HA2	1:473:A:MET:HG2	11	0.16
(1,1312)	1:472:A:GLY:HA2	1:473:A:MET:HG2	14	0.16
(1,1310)	1:473:A:MET:H	1:473:A:MET:HG2	13	0.16
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	1	0.16
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	3	0.16
(1,1289)	1:405:A:ALA:HA	1:456:A:PRO:HB2	19	0.16
(1,1286)	1:398:A:GLN:HA	1:434:A:ALA:H	8	0.16
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD2	3	0.16
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD3	3	0.16
(1,1271)	1:404:A:GLY:HA2	1:456:A:PRO:HB2	15	0.16
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	1	0.16
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	2	0.16
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	14	0.16
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	19	0.16
(1,1252)	1:431:A:VAL:HA	1:452:A:SER:HA	5	0.16
(1,1252)	1:431:A:VAL:HA	1:452:A:SER:HA	19	0.16
(1,1244)	1:411:A:HIS:HB2	1:476:A:LEU:HA	18	0.16
(1,1239)	1:407:A:LEU:HB3	1:452:A:SER:HA	6	0.16
(1,1239)	1:407:A:LEU:HB3	1:452:A:SER:HA	13	0.16
(1,1238)	1:451:A:VAL:HG11	1:452:A:SER:HA	13	0.16
(1,1238)	1:451:A:VAL:HG12	1:452:A:SER:HA	13	0.16
(1,1238)	1:451:A:VAL:HG13	1:452:A:SER:HA	13	0.16
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG21	14	0.16
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG22	14	0.16
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG23	14	0.16
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG21	19	0.16
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG22	19	0.16
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG23	19	0.16
(1,1227)	1:399:A:LYS:HA	1:400:A:GLU:H	9	0.16
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	10	0.16
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	13	0.16
(1,1204)	1:477:A:LYS:HG2	1:479:A:GLN:HB2	11	0.16
(1,1204)	1:477:A:LYS:HG2	1:479:A:GLN:HB3	11	0.16
(1,1204)	1:477:A:LYS:HG3	1:479:A:GLN:HB2	11	0.16
(1,1204)	1:477:A:LYS:HG3	1:479:A:GLN:HB3	11	0.16
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	15	0.16
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	16	0.16
(1,1166)	1:398:A:GLN:HG3	1:408:A:PHE:HE1	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1166)	1:398:A:GLN:HG3	1:408:A:PHE:HE2	3	0.16
(1,1164)	1:398:A:GLN:HG3	1:399:A:LYS:H	1	0.16
(1,1162)	1:460:A:GLN:HG2	1:463:A:ILE:HB	10	0.16
(1,1162)	1:460:A:GLN:HG3	1:463:A:ILE:HB	10	0.16
(1,1160)	1:480:A:LEU:HA	1:481:A:LYS:HB2	10	0.16
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG2	13	0.16
(1,1154)	1:419:A:GLN:H	1:419:A:GLN:HG3	13	0.16
(1,1143)	1:408:A:PHE:HA	1:450:A:PHE:HA	8	0.16
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	1	0.16
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	1	0.16
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	8	0.16
(1,1136)	1:460:A:GLN:HG2	1:463:A:ILE:H	7	0.16
(1,1136)	1:460:A:GLN:HG3	1:463:A:ILE:H	7	0.16
(1,1136)	1:460:A:GLN:HG2	1:463:A:ILE:H	13	0.16
(1,1136)	1:460:A:GLN:HG3	1:463:A:ILE:H	13	0.16
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	4	0.16
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	4	0.16
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	4	0.16
(1,1115)	1:452:A:SER:H	1:453:A:TYR:HA	11	0.16
(1,1113)	1:423:A:GLN:HA	1:423:A:GLN:HG2	19	0.16
(1,1081)	1:440:A:LYS:HD2	1:441:A:GLN:HG3	9	0.16
(1,1081)	1:440:A:LYS:HD3	1:441:A:GLN:HG3	9	0.16
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	5	0.16
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	5	0.16
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	5	0.16
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	16	0.16
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	16	0.16
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	16	0.16
(1,1078)	1:440:A:LYS:HE2	1:441:A:GLN:HG3	12	0.16
(1,1078)	1:440:A:LYS:HE3	1:441:A:GLN:HG3	12	0.16
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB2	20	0.16
(1,1066)	1:423:A:GLN:H	1:424:A:MET:HB3	20	0.16
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG21	15	0.16
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG22	15	0.16
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG23	15	0.16
(1,1041)	1:440:A:LYS:HA	1:442:A:THR:H	18	0.16
(1,1028)	1:483:A:SER:HA	1:484:A:LYS:HG2	3	0.16
(1,1028)	1:483:A:SER:HA	1:484:A:LYS:HG3	3	0.16
(1,1028)	1:483:A:SER:HA	1:484:A:LYS:HG2	16	0.16
(1,1028)	1:483:A:SER:HA	1:484:A:LYS:HG3	16	0.16
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	6	0.16
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1025)	1:419:A:GLN:HA	1:422:A:LEU:HG	19	0.16
(1,1021)	1:444:A:LEU:HD11	1:445:A:SER:HA	16	0.16
(1,1021)	1:444:A:LEU:HD12	1:445:A:SER:HA	16	0.16
(1,1021)	1:444:A:LEU:HD13	1:445:A:SER:HA	16	0.16
(1,1021)	1:444:A:LEU:HD21	1:445:A:SER:HA	16	0.16
(1,1021)	1:444:A:LEU:HD22	1:445:A:SER:HA	16	0.16
(1,1021)	1:444:A:LEU:HD23	1:445:A:SER:HA	16	0.16
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	3	0.16
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	3	0.16
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	17	0.16
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	17	0.16
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	13	0.16
(1,1002)	1:435:A:LYS:HE2	1:437:A:PHE:HA	7	0.16
(1,1002)	1:435:A:LYS:HE3	1:437:A:PHE:HA	7	0.16
(1,999)	1:403:A:GLU:H	1:403:A:GLU:HG2	5	0.16
(1,998)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	8	0.16
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	10	0.16
(1,987)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	7	0.16
(1,987)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	7	0.16
(1,987)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	7	0.16
(1,987)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	13	0.16
(1,987)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	13	0.16
(1,987)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	13	0.16
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	3	0.16
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	3	0.16
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	3	0.16
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	8	0.16
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	8	0.16
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	8	0.16
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	10	0.16
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	10	0.16
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	10	0.16
(1,979)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	4	0.16
(1,979)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	4	0.16
(1,979)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	4	0.16
(1,976)	1:432:A:ILE:HD11	1:453:A:TYR:HA	11	0.16
(1,976)	1:432:A:ILE:HD12	1:453:A:TYR:HA	11	0.16
(1,976)	1:432:A:ILE:HD13	1:453:A:TYR:HA	11	0.16
(1,976)	1:432:A:ILE:HD11	1:453:A:TYR:HA	13	0.16
(1,976)	1:432:A:ILE:HD12	1:453:A:TYR:HA	13	0.16
(1,976)	1:432:A:ILE:HD13	1:453:A:TYR:HA	13	0.16
(1,964)	1:422:A:LEU:HA	1:434:A:ALA:HA	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,964)	1:422:A:LEU:HA	1:434:A:ALA:HA	19	0.16
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	2	0.16
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	2	0.16
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	2	0.16
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	2	0.16
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	1	0.16
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	1	0.16
(1,939)	1:408:A:PHE:HB3	1:409:A:ILE:HA	2	0.16
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	13	0.16
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	13	0.16
(1,933)	1:435:A:LYS:HB2	1:450:A:PHE:HD1	9	0.16
(1,933)	1:435:A:LYS:HB2	1:450:A:PHE:HD2	9	0.16
(1,933)	1:435:A:LYS:HB3	1:450:A:PHE:HD1	9	0.16
(1,933)	1:435:A:LYS:HB3	1:450:A:PHE:HD2	9	0.16
(1,929)	1:400:A:GLU:H	1:400:A:GLU:HG2	14	0.16
(1,927)	1:400:A:GLU:HG2	1:406:A:ASN:HB2	9	0.16
(1,925)	1:399:A:LYS:HD2	1:400:A:GLU:HG3	10	0.16
(1,925)	1:399:A:LYS:HD3	1:400:A:GLU:HG3	10	0.16
(1,919)	1:400:A:GLU:HG3	1:406:A:ASN:HD21	1	0.16
(1,915)	1:421:A:ILE:HD11	1:449:A:GLY:H	3	0.16
(1,915)	1:421:A:ILE:HD12	1:449:A:GLY:H	3	0.16
(1,915)	1:421:A:ILE:HD13	1:449:A:GLY:H	3	0.16
(1,905)	1:416:A:PHE:HD1	1:421:A:ILE:HD11	1	0.16
(1,905)	1:416:A:PHE:HD1	1:421:A:ILE:HD12	1	0.16
(1,905)	1:416:A:PHE:HD1	1:421:A:ILE:HD13	1	0.16
(1,905)	1:416:A:PHE:HD2	1:421:A:ILE:HD11	1	0.16
(1,905)	1:416:A:PHE:HD2	1:421:A:ILE:HD12	1	0.16
(1,905)	1:416:A:PHE:HD2	1:421:A:ILE:HD13	1	0.16
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD11	5	0.16
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD12	5	0.16
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD13	5	0.16
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD11	7	0.16
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD12	7	0.16
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD13	7	0.16
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD1	1	0.16
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD2	1	0.16
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD1	1	0.16
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD2	1	0.16
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD1	1	0.16
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD2	1	0.16
(1,898)	1:421:A:ILE:HD11	1:451:A:VAL:HB	15	0.16
(1,898)	1:421:A:ILE:HD12	1:451:A:VAL:HB	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,898)	1:421:A:ILE:HD13	1:451:A:VAL:HB	15	0.16
(1,898)	1:421:A:ILE:HD11	1:451:A:VAL:HB	18	0.16
(1,898)	1:421:A:ILE:HD12	1:451:A:VAL:HB	18	0.16
(1,898)	1:421:A:ILE:HD13	1:451:A:VAL:HB	18	0.16
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	8	0.16
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	8	0.16
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	8	0.16
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	9	0.16
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	9	0.16
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	9	0.16
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	18	0.16
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	18	0.16
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	18	0.16
(1,885)	1:463:A:ILE:HD11	1:480:A:LEU:HA	4	0.16
(1,885)	1:463:A:ILE:HD12	1:480:A:LEU:HA	4	0.16
(1,885)	1:463:A:ILE:HD13	1:480:A:LEU:HA	4	0.16
(1,884)	1:407:A:LEU:HA	1:463:A:ILE:HD11	4	0.16
(1,884)	1:407:A:LEU:HA	1:463:A:ILE:HD12	4	0.16
(1,884)	1:407:A:LEU:HA	1:463:A:ILE:HD13	4	0.16
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD11	16	0.16
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD12	16	0.16
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD13	16	0.16
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	15	0.16
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	15	0.16
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	15	0.16
(1,873)	1:451:A:VAL:HA	1:452:A:SER:HB3	14	0.16
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG11	14	0.16
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG12	14	0.16
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG13	14	0.16
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG11	14	0.16
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG12	14	0.16
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG13	14	0.16
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB2	7	0.16
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB3	7	0.16
(1,864)	1:399:A:LYS:H	1:432:A:ILE:HB	4	0.16
(1,862)	1:471:A:ILE:HD11	1:476:A:LEU:HB2	13	0.16
(1,862)	1:471:A:ILE:HD11	1:476:A:LEU:HB3	13	0.16
(1,862)	1:471:A:ILE:HD12	1:476:A:LEU:HB2	13	0.16
(1,862)	1:471:A:ILE:HD12	1:476:A:LEU:HB3	13	0.16
(1,862)	1:471:A:ILE:HD13	1:476:A:LEU:HB2	13	0.16
(1,862)	1:471:A:ILE:HD13	1:476:A:LEU:HB3	13	0.16
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	13	0.16
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	13	0.16
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	13	0.16
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	13	0.16
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	13	0.16
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	12	0.16
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	12	0.16
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	12	0.16
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	14	0.16
(1,835)	1:442:A:THR:H	1:443:A:ASN:HB3	19	0.16
(1,831)	1:443:A:ASN:H	1:443:A:ASN:HB2	3	0.16
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG11	4	0.16
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG12	4	0.16
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG13	4	0.16
(1,795)	1:442:A:THR:HA	1:444:A:LEU:HB3	16	0.16
(1,793)	1:422:A:LEU:HA	1:425:A:PHE:HB3	7	0.16
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	4	0.16
(1,784)	1:436:A:VAL:HA	1:449:A:GLY:HA3	15	0.16
(1,773)	1:409:A:ILE:HD11	1:450:A:PHE:HA	13	0.16
(1,773)	1:409:A:ILE:HD12	1:450:A:PHE:HA	13	0.16
(1,773)	1:409:A:ILE:HD13	1:450:A:PHE:HA	13	0.16
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	14	0.16
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	14	0.16
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	14	0.16
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	14	0.16
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	14	0.16
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	14	0.16
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	1	0.16
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	1	0.16
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	1	0.16
(1,763)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	13	0.16
(1,763)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	13	0.16
(1,763)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	18	0.16
(1,763)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	18	0.16
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB1	2	0.16
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB2	2	0.16
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB3	2	0.16
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB1	9	0.16
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB2	9	0.16
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB3	9	0.16
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB1	13	0.16
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB2	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB3	13	0.16
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB1	20	0.16
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB2	20	0.16
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB3	20	0.16
(1,747)	1:416:A:PHE:HB3	1:417:A:GLY:H	16	0.16
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	11	0.16
(1,729)	1:432:A:ILE:HA	1:453:A:TYR:HA	4	0.16
(1,728)	1:431:A:VAL:HA	1:432:A:ILE:HA	11	0.16
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	13	0.16
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	14	0.16
(1,715)	1:458:A:SER:HB2	1:461:A:ALA:HB1	3	0.16
(1,715)	1:458:A:SER:HB2	1:461:A:ALA:HB2	3	0.16
(1,715)	1:458:A:SER:HB2	1:461:A:ALA:HB3	3	0.16
(1,713)	1:429:A:GLY:HA3	1:458:A:SER:HB2	8	0.16
(1,709)	1:429:A:GLY:HA2	1:458:A:SER:HB3	17	0.16
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	17	0.16
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	17	0.16
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	17	0.16
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	9	0.16
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	9	0.16
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	9	0.16
(1,690)	1:438:A:ILE:HG21	1:446:A:LYS:H	6	0.16
(1,690)	1:438:A:ILE:HG22	1:446:A:LYS:H	6	0.16
(1,690)	1:438:A:ILE:HG23	1:446:A:LYS:H	6	0.16
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG21	8	0.16
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG22	8	0.16
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG23	8	0.16
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG21	8	0.16
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG22	8	0.16
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG23	8	0.16
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	16	0.16
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	16	0.16
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	16	0.16
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	17	0.16
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	17	0.16
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	17	0.16
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	7	0.16
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	7	0.16
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	7	0.16
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	6	0.16
(1,670)	1:416:A:PHE:HA	1:420:A:ASP:HB2	8	0.16
(1,668)	1:438:A:ILE:HB	1:440:A:LYS:H	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,659)	1:489:A:PRO:HA	1:490:A:TYR:H	17	0.16
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	16	0.16
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	16	0.16
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	16	0.16
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	19	0.16
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	19	0.16
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	19	0.16
(1,642)	1:463:A:ILE:HG21	1:464:A:GLN:H	18	0.16
(1,642)	1:463:A:ILE:HG22	1:464:A:GLN:H	18	0.16
(1,642)	1:463:A:ILE:HG23	1:464:A:GLN:H	18	0.16
(1,634)	1:488:A:LYS:HB2	1:489:A:PRO:HA	1	0.16
(1,634)	1:488:A:LYS:HB3	1:489:A:PRO:HA	1	0.16
(1,634)	1:488:A:LYS:HB2	1:489:A:PRO:HA	14	0.16
(1,634)	1:488:A:LYS:HB3	1:489:A:PRO:HA	14	0.16
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD1	12	0.16
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD2	12	0.16
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	1	0.16
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	1	0.16
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	1	0.16
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	12	0.16
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	12	0.16
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	12	0.16
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	4	0.16
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	4	0.16
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	4	0.16
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	5	0.16
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	5	0.16
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	5	0.16
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB2	11	0.16
(1,612)	1:410:A:TYR:HB3	1:477:A:LYS:HB3	11	0.16
(1,594)	1:468:A:GLY:HA2	1:469:A:PHE:HB3	18	0.16
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB2	16	0.16
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB3	16	0.16
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB2	16	0.16
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB3	16	0.16
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB2	16	0.16
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB3	16	0.16
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB1	1	0.16
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB2	1	0.16
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB3	1	0.16
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	1	0.16
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	1	0.16
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	4	0.16
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	4	0.16
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	4	0.16
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG21	20	0.16
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG22	20	0.16
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG23	20	0.16
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	1	0.16
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	1	0.16
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	1	0.16
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	10	0.16
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	10	0.16
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	10	0.16
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	20	0.16
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	20	0.16
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	20	0.16
(1,555)	1:421:A:ILE:HG21	1:436:A:VAL:H	6	0.16
(1,555)	1:421:A:ILE:HG22	1:436:A:VAL:H	6	0.16
(1,555)	1:421:A:ILE:HG23	1:436:A:VAL:H	6	0.16
(1,555)	1:421:A:ILE:HG21	1:436:A:VAL:H	14	0.16
(1,555)	1:421:A:ILE:HG22	1:436:A:VAL:H	14	0.16
(1,555)	1:421:A:ILE:HG23	1:436:A:VAL:H	14	0.16
(1,548)	1:421:A:ILE:HA	1:424:A:MET:HB2	17	0.16
(1,548)	1:421:A:ILE:HA	1:424:A:MET:HB3	17	0.16
(1,540)	1:422:A:LEU:HB2	1:434:A:ALA:HA	11	0.16
(1,535)	1:455:A:ASN:HB3	1:456:A:PRO:HD3	10	0.16
(1,534)	1:455:A:ASN:H	1:455:A:ASN:HB3	18	0.16
(1,534)	1:455:A:ASN:H	1:455:A:ASN:HB3	19	0.16
(1,524)	1:406:A:ASN:H	1:456:A:PRO:HA	7	0.16
(1,524)	1:406:A:ASN:H	1:456:A:PRO:HA	17	0.16
(1,514)	1:435:A:LYS:HE2	1:439:A:ASP:HB2	17	0.16
(1,514)	1:435:A:LYS:HE3	1:439:A:ASP:HB2	17	0.16
(1,508)	1:435:A:LYS:HE2	1:450:A:PHE:HB3	18	0.16
(1,508)	1:435:A:LYS:HE3	1:450:A:PHE:HB3	18	0.16
(1,507)	1:477:A:LYS:HE2	1:478:A:VAL:H	10	0.16
(1,507)	1:477:A:LYS:HE3	1:478:A:VAL:H	10	0.16
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE2	2	0.16
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE3	2	0.16
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE2	2	0.16
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE3	2	0.16
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB1	17	0.16
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB2	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:459:A:ALA:HA	1:462:A:ALA:HB3	17	0.16
(1,478)	1:462:A:ALA:HB1	1:466:A:MET:H	19	0.16
(1,478)	1:462:A:ALA:HB2	1:466:A:MET:H	19	0.16
(1,478)	1:462:A:ALA:HB3	1:466:A:MET:H	19	0.16
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	16	0.16
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	16	0.16
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	16	0.16
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	16	0.16
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD2	8	0.16
(1,466)	1:412:A:LEU:HB2	1:474:A:LYS:HD3	8	0.16
(1,452)	1:439:A:ASP:HB3	1:440:A:LYS:HE2	14	0.16
(1,452)	1:439:A:ASP:HB3	1:440:A:LYS:HE3	14	0.16
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	7	0.16
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	7	0.16
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG2	9	0.16
(1,447)	1:439:A:ASP:HB2	1:440:A:LYS:HG3	9	0.16
(1,445)	1:431:A:VAL:HG21	1:433:A:SER:HB3	5	0.16
(1,445)	1:431:A:VAL:HG22	1:433:A:SER:HB3	5	0.16
(1,445)	1:431:A:VAL:HG23	1:433:A:SER:HB3	5	0.16
(1,445)	1:431:A:VAL:HG21	1:433:A:SER:HB3	8	0.16
(1,445)	1:431:A:VAL:HG22	1:433:A:SER:HB3	8	0.16
(1,445)	1:431:A:VAL:HG23	1:433:A:SER:HB3	8	0.16
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	20	0.16
(1,438)	1:433:A:SER:HB3	1:434:A:ALA:H	4	0.16
(1,438)	1:433:A:SER:HB3	1:434:A:ALA:H	14	0.16
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	20	0.16
(1,433)	1:432:A:ILE:H	1:433:A:SER:HB3	14	0.16
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	5	0.16
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	5	0.16
(1,430)	1:433:A:SER:H	1:433:A:SER:HB2	9	0.16
(1,425)	1:433:A:SER:HB2	1:434:A:ALA:HA	17	0.16
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	2	0.16
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	3	0.16
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	9	0.16
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB2	6	0.16
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB3	6	0.16
(1,390)	1:417:A:GLY:HA2	1:420:A:ASP:HB3	13	0.16
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	4	0.16
(1,367)	1:433:A:SER:H	1:452:A:SER:HB2	10	0.16
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	4	0.16
(1,347)	1:405:A:ALA:HB1	1:456:A:PRO:HA	12	0.16
(1,347)	1:405:A:ALA:HB2	1:456:A:PRO:HA	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	1:405:A:ALA:HB3	1:456:A:PRO:HA	12	0.16
(1,341)	1:444:A:LEU:HB2	1:445:A:SER:HB2	12	0.16
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	20	0.16
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	20	0.16
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	20	0.16
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	3	0.16
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	3	0.16
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	3	0.16
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	3	0.16
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	3	0.16
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	3	0.16
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB2	10	0.16
(1,325)	1:409:A:ILE:HG21	1:477:A:LYS:HB3	10	0.16
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB2	10	0.16
(1,325)	1:409:A:ILE:HG22	1:477:A:LYS:HB3	10	0.16
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB2	10	0.16
(1,325)	1:409:A:ILE:HG23	1:477:A:LYS:HB3	10	0.16
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	14	0.16
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	17	0.16
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	17	0.16
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	17	0.16
(1,272)	1:418:A:ASP:H	1:434:A:ALA:HB1	12	0.16
(1,272)	1:418:A:ASP:H	1:434:A:ALA:HB2	12	0.16
(1,272)	1:418:A:ASP:H	1:434:A:ALA:HB3	12	0.16
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG11	20	0.16
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG12	20	0.16
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG13	20	0.16
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG11	20	0.16
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG12	20	0.16
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG13	20	0.16
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG11	20	0.16
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG12	20	0.16
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG13	20	0.16
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG11	8	0.16
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG12	8	0.16
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG13	8	0.16
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG11	13	0.16
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG12	13	0.16
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG13	13	0.16
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG11	14	0.16
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG12	14	0.16
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG13	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	17	0.16
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	17	0.16
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	17	0.16
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	18	0.16
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	18	0.16
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	18	0.16
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	8	0.16
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	8	0.16
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	8	0.16
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	8	0.16
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	8	0.16
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	8	0.16
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	8	0.16
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	8	0.16
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	8	0.16
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	15	0.16
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	15	0.16
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	15	0.16
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	13	0.16
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	13	0.16
(1,239)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	13	0.16
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG21	18	0.16
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG22	18	0.16
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG23	18	0.16
(1,229)	1:451:A:VAL:HG21	1:452:A:SER:H	15	0.16
(1,229)	1:451:A:VAL:HG22	1:452:A:SER:H	15	0.16
(1,229)	1:451:A:VAL:HG23	1:452:A:SER:H	15	0.16
(1,217)	1:429:A:GLY:HA3	1:455:A:ASN:HD21	9	0.16
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	20	0.16
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	20	0.16
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	20	0.16
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	6	0.16
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	6	0.16
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	6	0.16
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	6	0.16
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	6	0.16
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	6	0.16
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	16	0.16
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	16	0.16
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	16	0.16
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	16	0.16
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	16	0.16
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	17	0.16
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	17	0.16
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	17	0.16
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	17	0.16
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	17	0.16
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	17	0.16
(1,203)	1:457:A:VAL:HG11	1:458:A:SER:H	18	0.16
(1,203)	1:457:A:VAL:HG12	1:458:A:SER:H	18	0.16
(1,203)	1:457:A:VAL:HG13	1:458:A:SER:H	18	0.16
(1,203)	1:457:A:VAL:HG21	1:458:A:SER:H	18	0.16
(1,203)	1:457:A:VAL:HG22	1:458:A:SER:H	18	0.16
(1,203)	1:457:A:VAL:HG23	1:458:A:SER:H	18	0.16
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	14	0.16
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	14	0.16
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	14	0.16
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	14	0.16
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	14	0.16
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	14	0.16
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	14	0.16
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	14	0.16
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	14	0.16
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	17	0.16
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	17	0.16
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	17	0.16
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	19	0.16
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	19	0.16
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	19	0.16
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	18	0.16
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	18	0.16
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	18	0.16
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	18	0.16
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	18	0.16
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	18	0.16
(1,169)	1:457:A:VAL:HG11	1:460:A:GLN:HE21	9	0.16
(1,169)	1:457:A:VAL:HG12	1:460:A:GLN:HE21	9	0.16
(1,169)	1:457:A:VAL:HG13	1:460:A:GLN:HE21	9	0.16
(1,169)	1:457:A:VAL:HG21	1:460:A:GLN:HE21	9	0.16
(1,169)	1:457:A:VAL:HG22	1:460:A:GLN:HE21	9	0.16
(1,169)	1:457:A:VAL:HG23	1:460:A:GLN:HE21	9	0.16
(1,167)	1:468:A:GLY:HA2	1:476:A:LEU:HB2	14	0.16
(1,167)	1:468:A:GLY:HA2	1:476:A:LEU:HB3	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	3	0.16
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	3	0.16
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	3	0.16
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	3	0.16
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	3	0.16
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	3	0.16
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	6	0.16
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	6	0.16
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	6	0.16
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	6	0.16
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	6	0.16
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	6	0.16
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	7	0.16
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	7	0.16
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	7	0.16
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	7	0.16
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	7	0.16
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	7	0.16
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	9	0.16
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	9	0.16
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	9	0.16
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	9	0.16
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	9	0.16
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	9	0.16
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	9	0.16
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	9	0.16
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	9	0.16
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	9	0.16
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	9	0.16
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	9	0.16
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	9	0.16
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	9	0.16
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	9	0.16
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	9	0.16
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	9	0.16
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	9	0.16
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	15	0.16
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	15	0.16
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	15	0.16
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	15	0.16
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	15	0.16
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	15	0.16
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	15	0.16
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	15	0.16
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	15	0.16
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	15	0.16
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	15	0.16
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	15	0.16
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	15	0.16
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	15	0.16
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	15	0.16
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	15	0.16
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	15	0.16
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	3	0.16
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	3	0.16
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	3	0.16
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	3	0.16
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	3	0.16
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	3	0.16
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	3	0.16
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	3	0.16
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	3	0.16
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	3	0.16
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	3	0.16
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	3	0.16
(1,119)	1:478:A:VAL:HG21	1:479:A:GLN:H	16	0.16
(1,119)	1:478:A:VAL:HG22	1:479:A:GLN:H	16	0.16
(1,119)	1:478:A:VAL:HG23	1:479:A:GLN:H	16	0.16
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	7	0.16
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	7	0.16
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	7	0.16
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	7	0.16
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	7	0.16
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	7	0.16
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	7	0.16
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	7	0.16
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	7	0.16
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	7	0.16
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	7	0.16
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	7	0.16
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	7	0.16
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	7	0.16
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	7	0.16
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	7	0.16
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	7	0.16
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	7	0.16
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	7	0.16
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	7	0.16
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	7	0.16
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	7	0.16
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	7	0.16
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	7	0.16
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	7	0.16
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	7	0.16
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	7	0.16
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	7	0.16
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	7	0.16
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	7	0.16
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	7	0.16
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	7	0.16
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	7	0.16
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	7	0.16
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	7	0.16
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	16	0.16
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	16	0.16
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	16	0.16
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	16	0.16
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	16	0.16
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	16	0.16
(1,85)	1:480:A:LEU:HD11	1:481:A:LYS:H	19	0.16
(1,85)	1:480:A:LEU:HD12	1:481:A:LYS:H	19	0.16
(1,85)	1:480:A:LEU:HD13	1:481:A:LYS:H	19	0.16
(1,85)	1:480:A:LEU:HD21	1:481:A:LYS:H	19	0.16
(1,85)	1:480:A:LEU:HD22	1:481:A:LYS:H	19	0.16
(1,85)	1:480:A:LEU:HD23	1:481:A:LYS:H	19	0.16
(1,82)	1:483:A:SER:HB2	1:484:A:LYS:HG2	8	0.16
(1,82)	1:483:A:SER:HB2	1:484:A:LYS:HG3	8	0.16
(1,82)	1:483:A:SER:HB3	1:484:A:LYS:HG2	8	0.16
(1,82)	1:483:A:SER:HB3	1:484:A:LYS:HG3	8	0.16
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD11	13	0.16
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD12	13	0.16
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD13	13	0.16
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD21	13	0.16
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD22	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:405:A:ALA:HA	1:407:A:LEU:HD23	13	0.16
(1,68)	1:481:A:LYS:HG2	1:482:A:ARG:H	17	0.16
(1,68)	1:481:A:LYS:HG3	1:482:A:ARG:H	17	0.16
(1,59)	1:474:A:LYS:H	1:474:A:LYS:HG2	11	0.16
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD11	3	0.16
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD12	3	0.16
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD13	3	0.16
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD21	3	0.16
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD22	3	0.16
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD23	3	0.16
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD11	20	0.16
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD12	20	0.16
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD13	20	0.16
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD21	20	0.16
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD22	20	0.16
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD23	20	0.16
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	2	0.16
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	17	0.16
(1,37)	1:469:A:PHE:HB3	1:476:A:LEU:HG	9	0.16
(1,37)	1:469:A:PHE:HB3	1:476:A:LEU:HG	15	0.16
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	1	0.16
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	2	0.16
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	7	0.16
(1,31)	1:402:A:PRO:HD3	1:455:A:ASN:H	14	0.16
(1,31)	1:402:A:PRO:HD3	1:455:A:ASN:H	16	0.16
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	15	0.16
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	15	0.16
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	15	0.16
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	16	0.16
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	16	0.16
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	16	0.16
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	9	0.15
(1,2434)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	9	0.15
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	9	0.15
(1,2434)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	9	0.15
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	9	0.15
(1,2434)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	9	0.15
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	3	0.15
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	3	0.15
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	3	0.15
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	3	0.15
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	3	0.15
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	1	0.15
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	1	0.15
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	1	0.15
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	1	0.15
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	12	0.15
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	12	0.15
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	12	0.15
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	12	0.15
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	20	0.15
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	20	0.15
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	20	0.15
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	20	0.15
(1,2417)	1:416:A:PHE:HD1	1:417:A:GLY:H	12	0.15
(1,2417)	1:416:A:PHE:HD2	1:417:A:GLY:H	12	0.15
(1,2415)	1:416:A:PHE:HD1	1:421:A:ILE:HG12	17	0.15
(1,2415)	1:416:A:PHE:HD2	1:421:A:ILE:HG12	17	0.15
(1,2401)	1:398:A:GLN:HG2	1:408:A:PHE:HE1	18	0.15
(1,2401)	1:398:A:GLN:HG2	1:408:A:PHE:HE2	18	0.15
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	7	0.15
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	7	0.15
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	7	0.15
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	7	0.15
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	7	0.15
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	7	0.15
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG12	12	0.15
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG13	12	0.15
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG12	12	0.15
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG13	12	0.15
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	3	0.15
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	3	0.15
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	3	0.15
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	3	0.15
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	3	0.15
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	3	0.15
(1,2387)	1:416:A:PHE:HE1	1:421:A:ILE:HA	1	0.15
(1,2387)	1:416:A:PHE:HE2	1:421:A:ILE:HA	1	0.15
(1,2387)	1:416:A:PHE:HE1	1:421:A:ILE:HA	2	0.15
(1,2387)	1:416:A:PHE:HE2	1:421:A:ILE:HA	2	0.15
(1,2382)	1:466:A:MET:HG2	1:469:A:PHE:HD1	14	0.15
(1,2382)	1:466:A:MET:HG2	1:469:A:PHE:HD2	14	0.15
(1,2382)	1:466:A:MET:HG3	1:469:A:PHE:HD1	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2382)	1:466:A:MET:HG3	1:469:A:PHE:HD2	14	0.15
(1,2382)	1:466:A:MET:HG2	1:469:A:PHE:HD1	18	0.15
(1,2382)	1:466:A:MET:HG2	1:469:A:PHE:HD2	18	0.15
(1,2382)	1:466:A:MET:HG3	1:469:A:PHE:HD1	18	0.15
(1,2382)	1:466:A:MET:HG3	1:469:A:PHE:HD2	18	0.15
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD1	19	0.15
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD2	19	0.15
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	11	0.15
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	11	0.15
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	11	0.15
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	11	0.15
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	11	0.15
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	11	0.15
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD1	2	0.15
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD2	2	0.15
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD1	4	0.15
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD2	4	0.15
(1,2342)	1:448:A:PHE:H	1:448:A:PHE:HD1	2	0.15
(1,2342)	1:448:A:PHE:H	1:448:A:PHE:HD2	2	0.15
(1,2342)	1:448:A:PHE:H	1:448:A:PHE:HD1	13	0.15
(1,2342)	1:448:A:PHE:H	1:448:A:PHE:HD2	13	0.15
(1,2338)	1:409:A:ILE:HG21	1:410:A:TYR:HD1	7	0.15
(1,2338)	1:409:A:ILE:HG21	1:410:A:TYR:HD2	7	0.15
(1,2338)	1:409:A:ILE:HG22	1:410:A:TYR:HD1	7	0.15
(1,2338)	1:409:A:ILE:HG22	1:410:A:TYR:HD2	7	0.15
(1,2338)	1:409:A:ILE:HG23	1:410:A:TYR:HD1	7	0.15
(1,2338)	1:409:A:ILE:HG23	1:410:A:TYR:HD2	7	0.15
(1,2316)	1:411:A:HIS:H	1:449:A:GLY:H	18	0.15
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	1	0.15
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	5	0.15
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	7	0.15
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	20	0.15
(1,2290)	1:470:A:GLN:HA	1:470:A:GLN:HE21	6	0.15
(1,2287)	1:470:A:GLN:HB2	1:470:A:GLN:HE22	10	0.15
(1,2287)	1:470:A:GLN:HB2	1:470:A:GLN:HE22	11	0.15
(1,2287)	1:470:A:GLN:HB2	1:470:A:GLN:HE22	14	0.15
(1,2287)	1:470:A:GLN:HB2	1:470:A:GLN:HE22	15	0.15
(1,2287)	1:470:A:GLN:HB2	1:470:A:GLN:HE22	18	0.15
(1,2281)	1:463:A:ILE:H	1:464:A:GLN:HE21	17	0.15
(1,2275)	1:419:A:GLN:H	1:419:A:GLN:HE22	17	0.15
(1,2272)	1:438:A:ILE:HG21	1:443:A:ASN:HD21	4	0.15
(1,2272)	1:438:A:ILE:HG22	1:443:A:ASN:HD21	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2272)	1:438:A:ILE:HG23	1:443:A:ASN:HD21	4	0.15
(1,2272)	1:438:A:ILE:HG21	1:443:A:ASN:HD21	13	0.15
(1,2272)	1:438:A:ILE:HG22	1:443:A:ASN:HD21	13	0.15
(1,2272)	1:438:A:ILE:HG23	1:443:A:ASN:HD21	13	0.15
(1,2272)	1:438:A:ILE:HG21	1:443:A:ASN:HD21	20	0.15
(1,2272)	1:438:A:ILE:HG22	1:443:A:ASN:HD21	20	0.15
(1,2272)	1:438:A:ILE:HG23	1:443:A:ASN:HD21	20	0.15
(1,2270)	1:420:A:ASP:H	1:423:A:GLN:HE21	14	0.15
(1,2270)	1:420:A:ASP:H	1:423:A:GLN:HE21	20	0.15
(1,2268)	1:438:A:ILE:HG21	1:443:A:ASN:HD22	20	0.15
(1,2268)	1:438:A:ILE:HG22	1:443:A:ASN:HD22	20	0.15
(1,2268)	1:438:A:ILE:HG23	1:443:A:ASN:HD22	20	0.15
(1,2244)	1:444:A:LEU:HD11	1:479:A:GLN:HE22	7	0.15
(1,2244)	1:444:A:LEU:HD12	1:479:A:GLN:HE22	7	0.15
(1,2244)	1:444:A:LEU:HD13	1:479:A:GLN:HE22	7	0.15
(1,2244)	1:444:A:LEU:HD21	1:479:A:GLN:HE22	7	0.15
(1,2244)	1:444:A:LEU:HD22	1:479:A:GLN:HE22	7	0.15
(1,2244)	1:444:A:LEU:HD23	1:479:A:GLN:HE22	7	0.15
(1,2242)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	6	0.15
(1,2242)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	10	0.15
(1,2240)	1:445:A:SER:HB3	1:479:A:GLN:HE22	5	0.15
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	13	0.15
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG21	10	0.15
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG22	10	0.15
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG23	10	0.15
(1,2216)	1:430:A:ASN:HD21	1:454:A:ASP:HB3	6	0.15
(1,2215)	1:430:A:ASN:HD21	1:454:A:ASP:HA	17	0.15
(1,2214)	1:430:A:ASN:HD22	1:432:A:ILE:HG21	17	0.15
(1,2214)	1:430:A:ASN:HD22	1:432:A:ILE:HG22	17	0.15
(1,2214)	1:430:A:ASN:HD22	1:432:A:ILE:HG23	17	0.15
(1,2210)	1:430:A:ASN:HD21	1:431:A:VAL:H	1	0.15
(1,2210)	1:430:A:ASN:HD21	1:431:A:VAL:H	18	0.15
(1,2206)	1:430:A:ASN:H	1:430:A:ASN:HD21	5	0.15
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG11	2	0.15
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG12	2	0.15
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG13	2	0.15
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG11	16	0.15
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG12	16	0.15
(1,2205)	1:433:A:SER:H	1:451:A:VAL:HG13	16	0.15
(1,2194)	1:432:A:ILE:HD11	1:455:A:ASN:H	15	0.15
(1,2194)	1:432:A:ILE:HD12	1:455:A:ASN:H	15	0.15
(1,2194)	1:432:A:ILE:HD13	1:455:A:ASN:H	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2191)	1:453:A:TYR:HB3	1:455:A:ASN:H	2	0.15
(1,2191)	1:453:A:TYR:HB3	1:455:A:ASN:H	7	0.15
(1,2191)	1:453:A:TYR:HB3	1:455:A:ASN:H	14	0.15
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	16	0.15
(1,2164)	1:455:A:ASN:HD22	1:457:A:VAL:HB	7	0.15
(1,2164)	1:455:A:ASN:HD22	1:457:A:VAL:HB	11	0.15
(1,2164)	1:455:A:ASN:HD22	1:457:A:VAL:HB	12	0.15
(1,2156)	1:414:A:GLN:HG3	1:415:A:GLU:H	17	0.15
(1,2153)	1:414:A:GLN:H	1:415:A:GLU:H	12	0.15
(1,2148)	1:404:A:GLY:HA3	1:406:A:ASN:H	9	0.15
(1,2148)	1:404:A:GLY:HA3	1:406:A:ASN:H	18	0.15
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	3	0.15
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	3	0.15
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	5	0.15
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	5	0.15
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	11	0.15
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	11	0.15
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	17	0.15
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	17	0.15
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	19	0.15
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	19	0.15
(1,2125)	1:420:A:ASP:HA	1:423:A:GLN:H	3	0.15
(1,2125)	1:420:A:ASP:HA	1:423:A:GLN:H	16	0.15
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB1	16	0.15
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB2	16	0.15
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB3	16	0.15
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	5	0.15
(1,2105)	1:420:A:ASP:HB3	1:421:A:ILE:H	16	0.15
(1,2104)	1:418:A:ASP:HA	1:421:A:ILE:H	6	0.15
(1,2093)	1:464:A:GLN:H	1:465:A:ALA:H	10	0.15
(1,2093)	1:464:A:GLN:H	1:465:A:ALA:H	19	0.15
(1,2092)	1:463:A:ILE:H	1:464:A:GLN:H	12	0.15
(1,2089)	1:439:A:ASP:HB2	1:443:A:ASN:H	3	0.15
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	14	0.15
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	17	0.15
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	18	0.15
(1,2083)	1:463:A:ILE:HB	1:465:A:ALA:H	8	0.15
(1,2074)	1:441:A:GLN:H	1:441:A:GLN:HB3	11	0.15
(1,2068)	1:471:A:ILE:HB	1:472:A:GLY:H	16	0.15
(1,2054)	1:400:A:GLU:HB3	1:406:A:ASN:HD21	18	0.15
(1,2051)	1:400:A:GLU:HB2	1:406:A:ASN:HD21	7	0.15
(1,2042)	1:443:A:ASN:HD22	1:444:A:LEU:H	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2040)	1:443:A:ASN:H	1:444:A:LEU:H	7	0.15
(1,2031)	1:482:A:ARG:HB3	1:483:A:SER:H	4	0.15
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	9	0.15
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	9	0.15
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	6	0.15
(1,2025)	1:468:A:GLY:H	1:478:A:VAL:H	9	0.15
(1,2025)	1:468:A:GLY:H	1:478:A:VAL:H	18	0.15
(1,2021)	1:463:A:ILE:H	1:463:A:ILE:HB	13	0.15
(1,2017)	1:461:A:ALA:HA	1:463:A:ILE:H	7	0.15
(1,2017)	1:461:A:ALA:HA	1:463:A:ILE:H	12	0.15
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	8	0.15
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG21	5	0.15
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG22	5	0.15
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG23	5	0.15
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG21	12	0.15
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG22	12	0.15
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG23	12	0.15
(1,2010)	1:467:A:ASN:H	1:468:A:GLY:H	20	0.15
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB2	11	0.15
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB3	11	0.15
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB2	15	0.15
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB3	15	0.15
(1,2004)	1:463:A:ILE:HG21	1:467:A:ASN:H	11	0.15
(1,2004)	1:463:A:ILE:HG22	1:467:A:ASN:H	11	0.15
(1,2004)	1:463:A:ILE:HG23	1:467:A:ASN:H	11	0.15
(1,2004)	1:463:A:ILE:HG21	1:467:A:ASN:H	13	0.15
(1,2004)	1:463:A:ILE:HG22	1:467:A:ASN:H	13	0.15
(1,2004)	1:463:A:ILE:HG23	1:467:A:ASN:H	13	0.15
(1,2004)	1:463:A:ILE:HG21	1:467:A:ASN:H	15	0.15
(1,2004)	1:463:A:ILE:HG22	1:467:A:ASN:H	15	0.15
(1,2004)	1:463:A:ILE:HG23	1:467:A:ASN:H	15	0.15
(1,2000)	1:403:A:GLU:H	1:403:A:GLU:HB2	6	0.15
(1,2000)	1:403:A:GLU:H	1:403:A:GLU:HB2	8	0.15
(1,1998)	1:402:A:PRO:HA	1:403:A:GLU:H	20	0.15
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	11	0.15
(1,1983)	1:473:A:MET:H	1:474:A:LYS:H	8	0.15
(1,1979)	1:474:A:LYS:HG2	1:475:A:ARG:H	4	0.15
(1,1979)	1:474:A:LYS:HG2	1:475:A:ARG:H	14	0.15
(1,1979)	1:474:A:LYS:HG2	1:475:A:ARG:H	17	0.15
(1,1976)	1:474:A:LYS:HB3	1:475:A:ARG:H	1	0.15
(1,1976)	1:474:A:LYS:HB3	1:475:A:ARG:H	18	0.15
(1,1970)	1:475:A:ARG:H	1:476:A:LEU:H	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1970)	1:475:A:ARG:H	1:476:A:LEU:H	20	0.15
(1,1961)	1:450:A:PHE:H	1:450:A:PHE:HB3	5	0.15
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	8	0.15
(1,1953)	1:456:A:PRO:HA	1:459:A:ALA:H	20	0.15
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	1	0.15
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	2	0.15
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	3	0.15
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	4	0.15
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	5	0.15
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	11	0.15
(1,1932)	1:435:A:LYS:H	1:435:A:LYS:HG2	3	0.15
(1,1932)	1:435:A:LYS:H	1:435:A:LYS:HG2	13	0.15
(1,1932)	1:435:A:LYS:H	1:435:A:LYS:HG2	16	0.15
(1,1932)	1:435:A:LYS:H	1:435:A:LYS:HG2	17	0.15
(1,1932)	1:435:A:LYS:H	1:435:A:LYS:HG2	18	0.15
(1,1932)	1:435:A:LYS:H	1:435:A:LYS:HG2	19	0.15
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB2	6	0.15
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB3	6	0.15
(1,1928)	1:435:A:LYS:H	1:451:A:VAL:HA	8	0.15
(1,1928)	1:435:A:LYS:H	1:451:A:VAL:HA	10	0.15
(1,1925)	1:452:A:SER:HB2	1:453:A:TYR:H	8	0.15
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	16	0.15
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	16	0.15
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	16	0.15
(1,1914)	1:399:A:LYS:HB2	1:400:A:GLU:H	15	0.15
(1,1914)	1:399:A:LYS:HB3	1:400:A:GLU:H	15	0.15
(1,1906)	1:435:A:LYS:HE2	1:438:A:ILE:H	6	0.15
(1,1906)	1:435:A:LYS:HE3	1:438:A:ILE:H	6	0.15
(1,1902)	1:418:A:ASP:H	1:436:A:VAL:HB	16	0.15
(1,1891)	1:428:A:PHE:HB3	1:462:A:ALA:H	5	0.15
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	5	0.15
(1,1868)	1:435:A:LYS:HB2	1:436:A:VAL:H	9	0.15
(1,1868)	1:435:A:LYS:HB3	1:436:A:VAL:H	9	0.15
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	8	0.15
(1,1849)	1:399:A:LYS:H	1:433:A:SER:HA	1	0.15
(1,1849)	1:399:A:LYS:H	1:433:A:SER:HA	16	0.15
(1,1834)	1:406:A:ASN:HB3	1:407:A:LEU:H	13	0.15
(1,1831)	1:407:A:LEU:H	1:453:A:TYR:H	2	0.15
(1,1831)	1:407:A:LEU:H	1:453:A:TYR:H	19	0.15
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG21	8	0.15
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG22	8	0.15
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG23	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG21	20	0.15
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG22	20	0.15
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG23	20	0.15
(1,1826)	1:410:A:TYR:H	1:476:A:LEU:HA	6	0.15
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	15	0.15
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	15	0.15
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	15	0.15
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB2	4	0.15
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB3	4	0.15
(1,1815)	1:469:A:PHE:H	1:476:A:LEU:HA	14	0.15
(1,1815)	1:469:A:PHE:H	1:476:A:LEU:HA	15	0.15
(1,1810)	1:466:A:MET:HG2	1:469:A:PHE:H	4	0.15
(1,1810)	1:466:A:MET:HG3	1:469:A:PHE:H	4	0.15
(1,1805)	1:490:A:TYR:H	1:490:A:TYR:HB2	4	0.15
(1,1794)	1:407:A:LEU:HD11	1:479:A:GLN:H	17	0.15
(1,1794)	1:407:A:LEU:HD12	1:479:A:GLN:H	17	0.15
(1,1794)	1:407:A:LEU:HD13	1:479:A:GLN:H	17	0.15
(1,1794)	1:407:A:LEU:HD21	1:479:A:GLN:H	17	0.15
(1,1794)	1:407:A:LEU:HD22	1:479:A:GLN:H	17	0.15
(1,1794)	1:407:A:LEU:HD23	1:479:A:GLN:H	17	0.15
(1,1785)	1:476:A:LEU:H	1:477:A:LYS:H	18	0.15
(1,1772)	1:444:A:LEU:HD11	1:446:A:LYS:H	19	0.15
(1,1772)	1:444:A:LEU:HD12	1:446:A:LYS:H	19	0.15
(1,1772)	1:444:A:LEU:HD13	1:446:A:LYS:H	19	0.15
(1,1772)	1:444:A:LEU:HD21	1:446:A:LYS:H	19	0.15
(1,1772)	1:444:A:LEU:HD22	1:446:A:LYS:H	19	0.15
(1,1772)	1:444:A:LEU:HD23	1:446:A:LYS:H	19	0.15
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	10	0.15
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	14	0.15
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	19	0.15
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	13	0.15
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	15	0.15
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG11	14	0.15
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG12	14	0.15
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG13	14	0.15
(1,1733)	1:424:A:MET:HA	1:426:A:MET:H	18	0.15
(1,1732)	1:424:A:MET:H	1:426:A:MET:H	5	0.15
(1,1732)	1:424:A:MET:H	1:426:A:MET:H	11	0.15
(1,1726)	1:432:A:ILE:H	1:453:A:TYR:HA	2	0.15
(1,1726)	1:432:A:ILE:H	1:453:A:TYR:HA	6	0.15
(1,1719)	1:469:A:PHE:HE1	1:470:A:GLN:H	16	0.15
(1,1719)	1:469:A:PHE:HE2	1:470:A:GLN:H	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:469:A:PHE:HB3	1:470:A:GLN:H	18	0.15
(1,1713)	1:470:A:GLN:H	1:475:A:ARG:HG2	12	0.15
(1,1713)	1:470:A:GLN:H	1:475:A:ARG:HG3	12	0.15
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	13	0.15
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	13	0.15
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	13	0.15
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	13	0.15
(1,1696)	1:422:A:LEU:HG	1:426:A:MET:HB2	20	0.15
(1,1696)	1:422:A:LEU:HG	1:426:A:MET:HB3	20	0.15
(1,1695)	1:402:A:PRO:HG3	1:405:A:ALA:H	4	0.15
(1,1695)	1:402:A:PRO:HG3	1:405:A:ALA:H	12	0.15
(1,1686)	1:422:A:LEU:HG	1:423:A:GLN:H	12	0.15
(1,1686)	1:422:A:LEU:HG	1:423:A:GLN:H	14	0.15
(1,1686)	1:422:A:LEU:HG	1:423:A:GLN:H	16	0.15
(1,1686)	1:422:A:LEU:HG	1:423:A:GLN:H	17	0.15
(1,1686)	1:422:A:LEU:HG	1:423:A:GLN:H	18	0.15
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	6	0.15
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	6	0.15
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	6	0.15
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	6	0.15
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	6	0.15
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	6	0.15
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	6	0.15
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	6	0.15
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	6	0.15
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	6	0.15
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	6	0.15
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	6	0.15
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	19	0.15
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	19	0.15
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	19	0.15
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	19	0.15
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	19	0.15
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	19	0.15
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	19	0.15
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	19	0.15
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	19	0.15
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	19	0.15
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	19	0.15
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	19	0.15
(1,1672)	1:405:A:ALA:HB1	1:456:A:PRO:HG2	1	0.15
(1,1672)	1:405:A:ALA:HB1	1:456:A:PRO:HG3	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1672)	1:405:A:ALA:HB2	1:456:A:PRO:HG2	1	0.15
(1,1672)	1:405:A:ALA:HB2	1:456:A:PRO:HG3	1	0.15
(1,1672)	1:405:A:ALA:HB3	1:456:A:PRO:HG2	1	0.15
(1,1672)	1:405:A:ALA:HB3	1:456:A:PRO:HG3	1	0.15
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	6	0.15
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	6	0.15
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG12	7	0.15
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG13	7	0.15
(1,1661)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	4	0.15
(1,1661)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	4	0.15
(1,1655)	1:460:A:GLN:HB2	1:463:A:ILE:HD11	16	0.15
(1,1655)	1:460:A:GLN:HB2	1:463:A:ILE:HD12	16	0.15
(1,1655)	1:460:A:GLN:HB2	1:463:A:ILE:HD13	16	0.15
(1,1655)	1:460:A:GLN:HB3	1:463:A:ILE:HD11	16	0.15
(1,1655)	1:460:A:GLN:HB3	1:463:A:ILE:HD12	16	0.15
(1,1655)	1:460:A:GLN:HB3	1:463:A:ILE:HD13	16	0.15
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	11	0.15
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	19	0.15
(1,1642)	1:405:A:ALA:HA	1:456:A:PRO:HG2	5	0.15
(1,1642)	1:405:A:ALA:HA	1:456:A:PRO:HG3	5	0.15
(1,1642)	1:405:A:ALA:HA	1:456:A:PRO:HG2	20	0.15
(1,1642)	1:405:A:ALA:HA	1:456:A:PRO:HG3	20	0.15
(1,1629)	1:405:A:ALA:HA	1:455:A:ASN:HA	19	0.15
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG2	13	0.15
(1,1626)	1:455:A:ASN:HA	1:456:A:PRO:HG3	13	0.15
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	12	0.15
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	12	0.15
(1,1605)	1:464:A:GLN:HB2	1:465:A:ALA:H	16	0.15
(1,1605)	1:464:A:GLN:HB3	1:465:A:ALA:H	16	0.15
(1,1603)	1:413:A:PRO:HG3	1:470:A:GLN:HA	12	0.15
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	16	0.15
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	7	0.15
(1,1572)	1:409:A:ILE:HG12	1:449:A:GLY:H	20	0.15
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	6	0.15
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	6	0.15
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	6	0.15
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	6	0.15
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	6	0.15
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	6	0.15
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	14	0.15
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	14	0.15
(1,1562)	1:409:A:ILE:HG13	1:410:A:TYR:H	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	6	0.15
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	15	0.15
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	16	0.15
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	20	0.15
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD1	3	0.15
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD2	3	0.15
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD1	9	0.15
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD2	9	0.15
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD1	16	0.15
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD2	16	0.15
(1,1551)	1:421:A:ILE:HG13	1:450:A:PHE:H	2	0.15
(1,1542)	1:416:A:PHE:HE1	1:421:A:ILE:HG12	5	0.15
(1,1542)	1:416:A:PHE:HE2	1:421:A:ILE:HG12	5	0.15
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD2	18	0.15
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD3	18	0.15
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD2	18	0.15
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD3	18	0.15
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD2	18	0.15
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD3	18	0.15
(1,1532)	1:440:A:LYS:HD2	1:441:A:GLN:HB2	10	0.15
(1,1532)	1:440:A:LYS:HD3	1:441:A:GLN:HB2	10	0.15
(1,1529)	1:399:A:LYS:HA	1:399:A:LYS:HD2	7	0.15
(1,1529)	1:399:A:LYS:HA	1:399:A:LYS:HD3	7	0.15
(1,1522)	1:410:A:TYR:HD1	1:477:A:LYS:HD2	15	0.15
(1,1522)	1:410:A:TYR:HD1	1:477:A:LYS:HD3	15	0.15
(1,1522)	1:410:A:TYR:HD2	1:477:A:LYS:HD2	15	0.15
(1,1522)	1:410:A:TYR:HD2	1:477:A:LYS:HD3	15	0.15
(1,1521)	1:477:A:LYS:HD2	1:479:A:GLN:HB2	1	0.15
(1,1521)	1:477:A:LYS:HD2	1:479:A:GLN:HB3	1	0.15
(1,1521)	1:477:A:LYS:HD3	1:479:A:GLN:HB2	1	0.15
(1,1521)	1:477:A:LYS:HD3	1:479:A:GLN:HB3	1	0.15
(1,1521)	1:477:A:LYS:HD2	1:479:A:GLN:HB2	5	0.15
(1,1521)	1:477:A:LYS:HD2	1:479:A:GLN:HB3	5	0.15
(1,1521)	1:477:A:LYS:HD3	1:479:A:GLN:HB2	5	0.15
(1,1521)	1:477:A:LYS:HD3	1:479:A:GLN:HB3	5	0.15
(1,1516)	1:398:A:GLN:HB2	1:435:A:LYS:H	5	0.15
(1,1516)	1:398:A:GLN:HB3	1:435:A:LYS:H	5	0.15
(1,1515)	1:398:A:GLN:HB2	1:399:A:LYS:H	8	0.15
(1,1515)	1:398:A:GLN:HB3	1:399:A:LYS:H	8	0.15
(1,1512)	1:470:A:GLN:HB3	1:475:A:ARG:HD3	6	0.15
(1,1508)	1:441:A:GLN:H	1:441:A:GLN:HB2	11	0.15
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	2	0.15
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	2	0.15
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	10	0.15
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	10	0.15
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	10	0.15
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	12	0.15
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	12	0.15
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	12	0.15
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	17	0.15
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	17	0.15
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	17	0.15
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	6	0.15
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	4	0.15
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	12	0.15
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	19	0.15
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD1	2	0.15
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD2	2	0.15
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD1	10	0.15
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD2	10	0.15
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD1	15	0.15
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD2	15	0.15
(1,1462)	1:432:A:ILE:H	1:454:A:ASP:HA	2	0.15
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	15	0.15
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	15	0.15
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	15	0.15
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	15	0.15
(1,1430)	1:418:A:ASP:HB3	1:435:A:LYS:HA	20	0.15
(1,1428)	1:488:A:LYS:HA	1:489:A:PRO:HB2	17	0.15
(1,1428)	1:488:A:LYS:HA	1:489:A:PRO:HB3	17	0.15
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	3	0.15
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	3	0.15
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	8	0.15
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	8	0.15
(1,1426)	1:485:A:ASN:HB2	1:486:A:ASP:HA	5	0.15
(1,1426)	1:485:A:ASN:HB2	1:486:A:ASP:HA	17	0.15
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB2	8	0.15
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB3	8	0.15
(1,1418)	1:413:A:PRO:HB2	1:475:A:ARG:HA	8	0.15
(1,1418)	1:413:A:PRO:HB3	1:475:A:ARG:HA	8	0.15
(1,1417)	1:471:A:ILE:HB	1:475:A:ARG:HA	17	0.15
(1,1391)	1:405:A:ALA:HA	1:459:A:ALA:HA	12	0.15
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG11	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG12	13	0.15
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG13	13	0.15
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG11	13	0.15
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG12	13	0.15
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG13	13	0.15
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG11	20	0.15
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG12	20	0.15
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG13	20	0.15
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG11	20	0.15
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG12	20	0.15
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG13	20	0.15
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	11	0.15
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	11	0.15
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	11	0.15
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	11	0.15
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	11	0.15
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	11	0.15
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	11	0.15
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	11	0.15
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	11	0.15
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	11	0.15
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	11	0.15
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	11	0.15
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	13	0.15
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	13	0.15
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	13	0.15
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	13	0.15
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	13	0.15
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	13	0.15
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	13	0.15
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	13	0.15
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	13	0.15
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	13	0.15
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	13	0.15
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	13	0.15
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	7	0.15
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	7	0.15
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	7	0.15
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	7	0.15
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	19	0.15
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	19	0.15
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	19	0.15
(1,1366)	1:409:A:ILE:HD11	1:466:A:MET:HB2	8	0.15
(1,1366)	1:409:A:ILE:HD11	1:466:A:MET:HB3	8	0.15
(1,1366)	1:409:A:ILE:HD12	1:466:A:MET:HB2	8	0.15
(1,1366)	1:409:A:ILE:HD12	1:466:A:MET:HB3	8	0.15
(1,1366)	1:409:A:ILE:HD13	1:466:A:MET:HB2	8	0.15
(1,1366)	1:409:A:ILE:HD13	1:466:A:MET:HB3	8	0.15
(1,1357)	1:474:A:LYS:HA	1:475:A:ARG:HA	11	0.15
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	7	0.15
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	7	0.15
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	10	0.15
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	10	0.15
(1,1331)	1:466:A:MET:HB2	1:468:A:GLY:H	6	0.15
(1,1331)	1:466:A:MET:HB3	1:468:A:GLY:H	6	0.15
(1,1331)	1:466:A:MET:HB2	1:468:A:GLY:H	15	0.15
(1,1331)	1:466:A:MET:HB3	1:468:A:GLY:H	15	0.15
(1,1323)	1:422:A:LEU:HD11	1:431:A:VAL:HB	12	0.15
(1,1323)	1:422:A:LEU:HD12	1:431:A:VAL:HB	12	0.15
(1,1323)	1:422:A:LEU:HD13	1:431:A:VAL:HB	12	0.15
(1,1323)	1:422:A:LEU:HD21	1:431:A:VAL:HB	12	0.15
(1,1323)	1:422:A:LEU:HD22	1:431:A:VAL:HB	12	0.15
(1,1323)	1:422:A:LEU:HD23	1:431:A:VAL:HB	12	0.15
(1,1321)	1:431:A:VAL:HB	1:433:A:SER:H	15	0.15
(1,1315)	1:413:A:PRO:HB2	1:416:A:PHE:HE1	2	0.15
(1,1315)	1:413:A:PRO:HB2	1:416:A:PHE:HE2	2	0.15
(1,1315)	1:413:A:PRO:HB3	1:416:A:PHE:HE1	2	0.15
(1,1315)	1:413:A:PRO:HB3	1:416:A:PHE:HE2	2	0.15
(1,1315)	1:413:A:PRO:HB2	1:416:A:PHE:HE1	11	0.15
(1,1315)	1:413:A:PRO:HB2	1:416:A:PHE:HE2	11	0.15
(1,1315)	1:413:A:PRO:HB3	1:416:A:PHE:HE1	11	0.15
(1,1315)	1:413:A:PRO:HB3	1:416:A:PHE:HE2	11	0.15
(1,1308)	1:473:A:MET:HG2	1:474:A:LYS:H	5	0.15
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	5	0.15
(1,1298)	1:440:A:LYS:HB2	1:443:A:ASN:HB3	12	0.15
(1,1298)	1:440:A:LYS:HB3	1:443:A:ASN:HB3	12	0.15
(1,1289)	1:405:A:ALA:HA	1:456:A:PRO:HB2	9	0.15
(1,1282)	1:398:A:GLN:HA	1:398:A:GLN:HG3	19	0.15
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	6	0.15
(1,1274)	1:456:A:PRO:HB2	1:457:A:VAL:H	9	0.15
(1,1274)	1:456:A:PRO:HB2	1:457:A:VAL:H	12	0.15
(1,1267)	1:456:A:PRO:HB2	1:460:A:GLN:HG2	17	0.15
(1,1267)	1:456:A:PRO:HB2	1:460:A:GLN:HG3	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	4	0.15
(1,1252)	1:431:A:VAL:HA	1:452:A:SER:HA	10	0.15
(1,1249)	1:483:A:SER:HA	1:484:A:LYS:HB2	4	0.15
(1,1248)	1:483:A:SER:HB2	1:484:A:LYS:HB2	4	0.15
(1,1248)	1:483:A:SER:HB3	1:484:A:LYS:HB2	4	0.15
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB2	3	0.15
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB3	3	0.15
(1,1239)	1:407:A:LEU:HB3	1:452:A:SER:HA	15	0.15
(1,1238)	1:451:A:VAL:HG11	1:452:A:SER:HA	2	0.15
(1,1238)	1:451:A:VAL:HG12	1:452:A:SER:HA	2	0.15
(1,1238)	1:451:A:VAL:HG13	1:452:A:SER:HA	2	0.15
(1,1238)	1:451:A:VAL:HG11	1:452:A:SER:HA	9	0.15
(1,1238)	1:451:A:VAL:HG12	1:452:A:SER:HA	9	0.15
(1,1238)	1:451:A:VAL:HG13	1:452:A:SER:HA	9	0.15
(1,1228)	1:398:A:GLN:HG3	1:399:A:LYS:HA	1	0.15
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	2	0.15
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	9	0.15
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	11	0.15
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	16	0.15
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	17	0.15
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD11	1	0.15
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD12	1	0.15
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD13	1	0.15
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD21	1	0.15
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD22	1	0.15
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD23	1	0.15
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD11	1	0.15
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD12	1	0.15
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD13	1	0.15
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD21	1	0.15
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD22	1	0.15
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD23	1	0.15
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	15	0.15
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG2	7	0.15
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG3	7	0.15
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG2	5	0.15
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG3	5	0.15
(1,1183)	1:446:A:LYS:HA	1:448:A:PHE:HE1	7	0.15
(1,1183)	1:446:A:LYS:HA	1:448:A:PHE:HE2	7	0.15
(1,1172)	1:398:A:GLN:HG2	1:435:A:LYS:HG2	15	0.15
(1,1171)	1:398:A:GLN:HG2	1:433:A:SER:HB3	7	0.15
(1,1169)	1:398:A:GLN:HG2	1:399:A:LYS:H	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1167)	1:398:A:GLN:HG3	1:433:A:SER:HB3	16	0.15
(1,1162)	1:460:A:GLN:HG2	1:463:A:ILE:HB	16	0.15
(1,1162)	1:460:A:GLN:HG3	1:463:A:ILE:HB	16	0.15
(1,1160)	1:480:A:LEU:HA	1:481:A:LYS:HB2	1	0.15
(1,1160)	1:480:A:LEU:HA	1:481:A:LYS:HB2	19	0.15
(1,1140)	1:470:A:GLN:HG2	1:475:A:ARG:HA	18	0.15
(1,1140)	1:470:A:GLN:HG3	1:475:A:ARG:HA	18	0.15
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	14	0.15
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	14	0.15
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	14	0.15
(1,1113)	1:423:A:GLN:HA	1:423:A:GLN:HG2	17	0.15
(1,1110)	1:413:A:PRO:HA	1:414:A:GLN:HG2	5	0.15
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	10	0.15
(1,1103)	1:479:A:GLN:HG2	1:480:A:LEU:H	3	0.15
(1,1103)	1:479:A:GLN:HG3	1:480:A:LEU:H	3	0.15
(1,1092)	1:412:A:LEU:HG	1:415:A:GLU:HA	12	0.15
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG21	10	0.15
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG22	10	0.15
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG23	10	0.15
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG21	12	0.15
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG22	12	0.15
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG23	12	0.15
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	6	0.15
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	6	0.15
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	6	0.15
(1,1079)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	20	0.15
(1,1078)	1:440:A:LYS:HE2	1:441:A:GLN:HG3	2	0.15
(1,1078)	1:440:A:LYS:HE3	1:441:A:GLN:HG3	2	0.15
(1,1078)	1:440:A:LYS:HE2	1:441:A:GLN:HG3	18	0.15
(1,1078)	1:440:A:LYS:HE3	1:441:A:GLN:HG3	18	0.15
(1,1078)	1:440:A:LYS:HE2	1:441:A:GLN:HG3	19	0.15
(1,1078)	1:440:A:LYS:HE3	1:441:A:GLN:HG3	19	0.15
(1,1074)	1:432:A:ILE:HG21	1:433:A:SER:HA	12	0.15
(1,1074)	1:432:A:ILE:HG22	1:433:A:SER:HA	12	0.15
(1,1074)	1:432:A:ILE:HG23	1:433:A:SER:HA	12	0.15
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	9	0.15
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	9	0.15
(1,1029)	1:486:A:ASP:HB3	1:487:A:SER:HA	3	0.15
(1,1029)	1:486:A:ASP:HB3	1:487:A:SER:HA	15	0.15
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	17	0.15
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	17	0.15
(1,1025)	1:419:A:GLN:HA	1:422:A:LEU:HG	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	2	0.15
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	2	0.15
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	17	0.15
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	18	0.15
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	2	0.15
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	5	0.15
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	9	0.15
(1,1005)	1:438:A:ILE:HA	1:439:A:ASP:HB2	16	0.15
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	11	0.15
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB2	20	0.15
(1,1003)	1:423:A:GLN:HA	1:423:A:GLN:HB3	20	0.15
(1,1002)	1:435:A:LYS:HE2	1:437:A:PHE:HA	11	0.15
(1,1002)	1:435:A:LYS:HE3	1:437:A:PHE:HA	11	0.15
(1,1002)	1:435:A:LYS:HE2	1:437:A:PHE:HA	19	0.15
(1,1002)	1:435:A:LYS:HE3	1:437:A:PHE:HA	19	0.15
(1,998)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	5	0.15
(1,998)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	7	0.15
(1,998)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	10	0.15
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	13	0.15
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	17	0.15
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	17	0.15
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	17	0.15
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD11	19	0.15
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD12	19	0.15
(1,980)	1:432:A:ILE:HA	1:432:A:ILE:HD13	19	0.15
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	19	0.15
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	19	0.15
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	19	0.15
(1,971)	1:413:A:PRO:HA	1:414:A:GLN:HA	1	0.15
(1,971)	1:413:A:PRO:HA	1:414:A:GLN:HA	10	0.15
(1,971)	1:413:A:PRO:HA	1:414:A:GLN:HA	14	0.15
(1,964)	1:422:A:LEU:HA	1:434:A:ALA:HA	5	0.15
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	6	0.15
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	6	0.15
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	6	0.15
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	6	0.15
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	20	0.15
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	20	0.15
(1,955)	1:415:A:GLU:HG2	1:416:A:PHE:H	3	0.15
(1,955)	1:415:A:GLU:HG3	1:416:A:PHE:H	3	0.15
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD1	14	0.15
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD2	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD1	19	0.15
(1,947)	1:409:A:ILE:HA	1:410:A:TYR:HD2	19	0.15
(1,942)	1:450:A:PHE:HA	1:451:A:VAL:HB	17	0.15
(1,939)	1:408:A:PHE:HB3	1:409:A:ILE:HA	11	0.15
(1,939)	1:408:A:PHE:HB3	1:409:A:ILE:HA	16	0.15
(1,936)	1:435:A:LYS:HB2	1:450:A:PHE:HB3	15	0.15
(1,936)	1:435:A:LYS:HB3	1:450:A:PHE:HB3	15	0.15
(1,924)	1:400:A:GLU:HG3	1:452:A:SER:HB3	9	0.15
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	5	0.15
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	5	0.15
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	5	0.15
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD11	20	0.15
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD12	20	0.15
(1,922)	1:400:A:GLU:HG3	1:432:A:ILE:HD13	20	0.15
(1,919)	1:400:A:GLU:HG3	1:406:A:ASN:HD21	9	0.15
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD1	18	0.15
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD2	18	0.15
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD1	18	0.15
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD2	18	0.15
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD1	18	0.15
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD2	18	0.15
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD11	1	0.15
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD12	1	0.15
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD13	1	0.15
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	6	0.15
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	6	0.15
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	6	0.15
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	20	0.15
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	20	0.15
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	20	0.15
(1,884)	1:407:A:LEU:HA	1:463:A:ILE:HD11	6	0.15
(1,884)	1:407:A:LEU:HA	1:463:A:ILE:HD12	6	0.15
(1,884)	1:407:A:LEU:HA	1:463:A:ILE:HD13	6	0.15
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	18	0.15
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	18	0.15
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	18	0.15
(1,876)	1:433:A:SER:H	1:451:A:VAL:HA	1	0.15
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG11	7	0.15
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG12	7	0.15
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG13	7	0.15
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG11	7	0.15
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG12	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG13	7	0.15
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG11	11	0.15
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG12	11	0.15
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG13	11	0.15
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG11	11	0.15
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG12	11	0.15
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG13	11	0.15
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG11	12	0.15
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG12	12	0.15
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG13	12	0.15
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG11	12	0.15
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG12	12	0.15
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG13	12	0.15
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG11	16	0.15
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG12	16	0.15
(1,871)	1:430:A:ASN:HB2	1:431:A:VAL:HG13	16	0.15
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG11	16	0.15
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG12	16	0.15
(1,871)	1:430:A:ASN:HB3	1:431:A:VAL:HG13	16	0.15
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB2	5	0.15
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB3	5	0.15
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB2	17	0.15
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB3	17	0.15
(1,866)	1:430:A:ASN:HB2	1:453:A:TYR:HA	7	0.15
(1,866)	1:430:A:ASN:HB3	1:453:A:TYR:HA	7	0.15
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	5	0.15
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	5	0.15
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	5	0.15
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	5	0.15
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	5	0.15
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	5	0.15
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	1	0.15
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	1	0.15
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	1	0.15
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	19	0.15
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	19	0.15
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	19	0.15
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	5	0.15
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	5	0.15
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	5	0.15
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	2	0.15
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	11	0.15
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	14	0.15
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	13	0.15
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	13	0.15
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	13	0.15
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	11	0.15
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	18	0.15
(1,835)	1:442:A:THR:H	1:443:A:ASN:HB3	2	0.15
(1,835)	1:442:A:THR:H	1:443:A:ASN:HB3	4	0.15
(1,835)	1:442:A:THR:H	1:443:A:ASN:HB3	12	0.15
(1,835)	1:442:A:THR:H	1:443:A:ASN:HB3	18	0.15
(1,829)	1:440:A:LYS:HA	1:443:A:ASN:HB3	1	0.15
(1,820)	1:463:A:ILE:HB	1:464:A:GLN:HE22	2	0.15
(1,811)	1:428:A:PHE:HB2	1:458:A:SER:HA	3	0.15
(1,806)	1:463:A:ILE:HB	1:467:A:ASN:HB3	19	0.15
(1,795)	1:442:A:THR:HA	1:444:A:LEU:HB3	8	0.15
(1,795)	1:442:A:THR:HA	1:444:A:LEU:HB3	12	0.15
(1,785)	1:436:A:VAL:HA	1:449:A:GLY:HA2	15	0.15
(1,784)	1:436:A:VAL:HA	1:449:A:GLY:HA3	18	0.15
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	14	0.15
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	14	0.15
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	14	0.15
(1,778)	1:409:A:ILE:HD11	1:421:A:ILE:HG12	20	0.15
(1,778)	1:409:A:ILE:HD12	1:421:A:ILE:HG12	20	0.15
(1,778)	1:409:A:ILE:HD13	1:421:A:ILE:HG12	20	0.15
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	3	0.15
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	3	0.15
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	3	0.15
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	4	0.15
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	4	0.15
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	4	0.15
(1,735)	1:412:A:LEU:HB3	1:416:A:PHE:HB3	7	0.15
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	2	0.15
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	4	0.15
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	9	0.15
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	12	0.15
(1,713)	1:429:A:GLY:HA3	1:458:A:SER:HB2	3	0.15
(1,713)	1:429:A:GLY:HA3	1:458:A:SER:HB2	5	0.15
(1,712)	1:430:A:ASN:H	1:458:A:SER:HB2	9	0.15
(1,709)	1:429:A:GLY:HA2	1:458:A:SER:HB3	16	0.15
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG21	5	0.15
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG22	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG23	5	0.15
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG21	5	0.15
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG22	5	0.15
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG23	5	0.15
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG21	14	0.15
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG22	14	0.15
(1,693)	1:438:A:ILE:H	1:438:A:ILE:HG23	14	0.15
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG21	7	0.15
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG22	7	0.15
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG23	7	0.15
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG21	7	0.15
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG22	7	0.15
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG23	7	0.15
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG21	19	0.15
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG22	19	0.15
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG23	19	0.15
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG21	19	0.15
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG22	19	0.15
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG23	19	0.15
(1,668)	1:438:A:ILE:HB	1:440:A:LYS:H	15	0.15
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	2	0.15
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	2	0.15
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	2	0.15
(1,648)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	3	0.15
(1,648)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	3	0.15
(1,648)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	3	0.15
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG21	18	0.15
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG22	18	0.15
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG23	18	0.15
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	5	0.15
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	5	0.15
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	2	0.15
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	2	0.15
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	2	0.15
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	2	0.15
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	2	0.15
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	2	0.15
(1,625)	1:466:A:MET:HG2	1:469:A:PHE:HB2	2	0.15
(1,625)	1:466:A:MET:HG3	1:469:A:PHE:HB2	2	0.15
(1,625)	1:466:A:MET:HG2	1:469:A:PHE:HB2	8	0.15
(1,625)	1:466:A:MET:HG3	1:469:A:PHE:HB2	8	0.15
(1,622)	1:402:A:PRO:HD2	1:454:A:ASP:HB3	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	3	0.15
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	3	0.15
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	3	0.15
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	5	0.15
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	5	0.15
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	5	0.15
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	9	0.15
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	9	0.15
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	9	0.15
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	9	0.15
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	9	0.15
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	9	0.15
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	10	0.15
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	10	0.15
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	10	0.15
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB1	14	0.15
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB2	14	0.15
(1,614)	1:428:A:PHE:H	1:461:A:ALA:HB3	14	0.15
(1,611)	1:410:A:TYR:HB3	1:411:A:HIS:HD2	4	0.15
(1,610)	1:410:A:TYR:HB3	1:448:A:PHE:HB2	2	0.15
(1,610)	1:410:A:TYR:HB3	1:448:A:PHE:HB3	2	0.15
(1,609)	1:410:A:TYR:HB3	1:411:A:HIS:HA	1	0.15
(1,609)	1:410:A:TYR:HB3	1:411:A:HIS:HA	11	0.15
(1,605)	1:408:A:PHE:HA	1:409:A:ILE:HB	8	0.15
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	2	0.15
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	2	0.15
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	11	0.15
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	11	0.15
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	15	0.15
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	15	0.15
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB2	1	0.15
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB3	1	0.15
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB2	1	0.15
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB3	1	0.15
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB2	1	0.15
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB3	1	0.15
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	9	0.15
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	9	0.15
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	9	0.15
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	11	0.15
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	11	0.15
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB2	20	0.15
(1,573)	1:469:A:PHE:HB2	1:475:A:ARG:HB3	20	0.15
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	7	0.15
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	7	0.15
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	7	0.15
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	7	0.15
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	7	0.15
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	7	0.15
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	7	0.15
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	7	0.15
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	7	0.15
(1,569)	1:418:A:ASP:HB2	1:421:A:ILE:HG21	14	0.15
(1,569)	1:418:A:ASP:HB2	1:421:A:ILE:HG22	14	0.15
(1,569)	1:418:A:ASP:HB2	1:421:A:ILE:HG23	14	0.15
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG21	3	0.15
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG22	3	0.15
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG23	3	0.15
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG21	9	0.15
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG22	9	0.15
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG23	9	0.15
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	3	0.15
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	3	0.15
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	3	0.15
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	11	0.15
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	11	0.15
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	11	0.15
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	17	0.15
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	17	0.15
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	17	0.15
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	18	0.15
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	18	0.15
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	18	0.15
(1,555)	1:421:A:ILE:HG21	1:436:A:VAL:H	1	0.15
(1,555)	1:421:A:ILE:HG22	1:436:A:VAL:H	1	0.15
(1,555)	1:421:A:ILE:HG23	1:436:A:VAL:H	1	0.15
(1,555)	1:421:A:ILE:HG21	1:436:A:VAL:H	10	0.15
(1,555)	1:421:A:ILE:HG22	1:436:A:VAL:H	10	0.15
(1,555)	1:421:A:ILE:HG23	1:436:A:VAL:H	10	0.15
(1,543)	1:419:A:GLN:H	1:422:A:LEU:HB2	4	0.15
(1,537)	1:455:A:ASN:HB3	1:457:A:VAL:HB	1	0.15
(1,537)	1:455:A:ASN:HB3	1:457:A:VAL:HB	20	0.15
(1,535)	1:455:A:ASN:HB3	1:456:A:PRO:HD3	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,534)	1:455:A:ASN:H	1:455:A:ASN:HB3	10	0.15
(1,534)	1:455:A:ASN:H	1:455:A:ASN:HB3	14	0.15
(1,534)	1:455:A:ASN:H	1:455:A:ASN:HB3	16	0.15
(1,524)	1:406:A:ASN:H	1:456:A:PRO:HA	5	0.15
(1,524)	1:406:A:ASN:H	1:456:A:PRO:HA	16	0.15
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG21	16	0.15
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG22	16	0.15
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG23	16	0.15
(1,508)	1:435:A:LYS:HE2	1:450:A:PHE:HB3	20	0.15
(1,508)	1:435:A:LYS:HE3	1:450:A:PHE:HB3	20	0.15
(1,506)	1:477:A:LYS:HE2	1:479:A:GLN:HA	5	0.15
(1,506)	1:477:A:LYS:HE3	1:479:A:GLN:HA	5	0.15
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE2	13	0.15
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE3	13	0.15
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE2	18	0.15
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE3	18	0.15
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	19	0.15
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	19	0.15
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	19	0.15
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE2	5	0.15
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE3	5	0.15
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE2	17	0.15
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE3	17	0.15
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	1	0.15
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	1	0.15
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	4	0.15
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	4	0.15
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	8	0.15
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	8	0.15
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	12	0.15
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	12	0.15
(1,468)	1:474:A:LYS:H	1:474:A:LYS:HE2	10	0.15
(1,468)	1:474:A:LYS:H	1:474:A:LYS:HE3	10	0.15
(1,467)	1:412:A:LEU:HB3	1:449:A:GLY:HA3	7	0.15
(1,467)	1:412:A:LEU:HB3	1:449:A:GLY:HA3	9	0.15
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB2	8	0.15
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB3	8	0.15
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB2	8	0.15
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB3	8	0.15
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB2	8	0.15
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB3	8	0.15
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB2	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,463)	1:409:A:ILE:HG21	1:448:A:PHE:HB3	11	0.15
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB2	11	0.15
(1,463)	1:409:A:ILE:HG22	1:448:A:PHE:HB3	11	0.15
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB2	11	0.15
(1,463)	1:409:A:ILE:HG23	1:448:A:PHE:HB3	11	0.15
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG21	10	0.15
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG22	10	0.15
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG23	10	0.15
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG21	20	0.15
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG22	20	0.15
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG23	20	0.15
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	6	0.15
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	8	0.15
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	15	0.15
(1,441)	1:433:A:SER:HB3	1:452:A:SER:HB3	16	0.15
(1,440)	1:433:A:SER:HB3	1:434:A:ALA:HA	7	0.15
(1,437)	1:433:A:SER:HB3	1:452:A:SER:H	11	0.15
(1,432)	1:399:A:LYS:HD2	1:433:A:SER:HB2	12	0.15
(1,432)	1:399:A:LYS:HD3	1:433:A:SER:HB2	12	0.15
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	3	0.15
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	3	0.15
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	3	0.15
(1,420)	1:479:A:GLN:HA	1:480:A:LEU:HB2	10	0.15
(1,420)	1:479:A:GLN:HA	1:480:A:LEU:HB3	10	0.15
(1,420)	1:479:A:GLN:HA	1:480:A:LEU:HB2	13	0.15
(1,420)	1:479:A:GLN:HA	1:480:A:LEU:HB3	13	0.15
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	10	0.15
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	15	0.15
(1,382)	1:475:A:ARG:HD2	1:476:A:LEU:H	19	0.15
(1,380)	1:468:A:GLY:HA3	1:475:A:ARG:HD2	13	0.15
(1,377)	1:475:A:ARG:HD3	1:476:A:LEU:H	13	0.15
(1,376)	1:475:A:ARG:H	1:475:A:ARG:HD3	1	0.15
(1,376)	1:475:A:ARG:H	1:475:A:ARG:HD3	4	0.15
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	5	0.15
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	5	0.15
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	5	0.15
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	5	0.15
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	5	0.15
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	5	0.15
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	5	0.15
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	5	0.15
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	5	0.15
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	5	0.15
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	5	0.15
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	5	0.15
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	5	0.15
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	5	0.15
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	5	0.15
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	5	0.15
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	5	0.15
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	7	0.15
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	7	0.15
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	7	0.15
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	13	0.15
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	13	0.15
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	13	0.15
(1,347)	1:405:A:ALA:HB1	1:456:A:PRO:HA	8	0.15
(1,347)	1:405:A:ALA:HB2	1:456:A:PRO:HA	8	0.15
(1,347)	1:405:A:ALA:HB3	1:456:A:PRO:HA	8	0.15
(1,347)	1:405:A:ALA:HB1	1:456:A:PRO:HA	14	0.15
(1,347)	1:405:A:ALA:HB2	1:456:A:PRO:HA	14	0.15
(1,347)	1:405:A:ALA:HB3	1:456:A:PRO:HA	14	0.15
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	10	0.15
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	10	0.15
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	10	0.15
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	17	0.15
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	17	0.15
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	17	0.15
(1,341)	1:444:A:LEU:HB2	1:445:A:SER:HB2	10	0.15
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG11	17	0.15
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG12	17	0.15
(1,332)	1:425:A:PHE:HE1	1:451:A:VAL:HG13	17	0.15
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG11	17	0.15
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG12	17	0.15
(1,332)	1:425:A:PHE:HE2	1:451:A:VAL:HG13	17	0.15
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	15	0.15
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	9	0.15
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	16	0.15
(1,316)	1:408:A:PHE:HE1	1:450:A:PHE:HB2	4	0.15
(1,316)	1:408:A:PHE:HE2	1:450:A:PHE:HB2	4	0.15
(1,299)	1:436:A:VAL:HG11	1:449:A:GLY:HA3	16	0.15
(1,299)	1:436:A:VAL:HG12	1:449:A:GLY:HA3	16	0.15
(1,299)	1:436:A:VAL:HG13	1:449:A:GLY:HA3	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,293)	1:436:A:VAL:HG11	1:449:A:GLY:HA2	18	0.15
(1,293)	1:436:A:VAL:HG12	1:449:A:GLY:HA2	18	0.15
(1,293)	1:436:A:VAL:HG13	1:449:A:GLY:HA2	18	0.15
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	2	0.15
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	2	0.15
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	2	0.15
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	11	0.15
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	11	0.15
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	11	0.15
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	13	0.15
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	13	0.15
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	13	0.15
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	18	0.15
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	18	0.15
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	18	0.15
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB1	1	0.15
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB2	1	0.15
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB3	1	0.15
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB1	3	0.15
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB2	3	0.15
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB3	3	0.15
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG11	7	0.15
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG12	7	0.15
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG13	7	0.15
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG11	12	0.15
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG12	12	0.15
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG13	12	0.15
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	11	0.15
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	11	0.15
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	11	0.15
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG21	1	0.15
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG22	1	0.15
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG23	1	0.15
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG21	2	0.15
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG22	2	0.15
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG23	2	0.15
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG21	13	0.15
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG22	13	0.15
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG23	13	0.15
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG21	11	0.15
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG22	11	0.15
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG23	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:451:A:VAL:HG21	1:452:A:SER:H	16	0.15
(1,229)	1:451:A:VAL:HG22	1:452:A:SER:H	16	0.15
(1,229)	1:451:A:VAL:HG23	1:452:A:SER:H	16	0.15
(1,217)	1:429:A:GLY:HA3	1:455:A:ASN:HD21	6	0.15
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG21	12	0.15
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG22	12	0.15
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG23	12	0.15
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG21	12	0.15
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG22	12	0.15
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG23	12	0.15
(1,204)	1:457:A:VAL:HG11	1:459:A:ALA:H	11	0.15
(1,204)	1:457:A:VAL:HG12	1:459:A:ALA:H	11	0.15
(1,204)	1:457:A:VAL:HG13	1:459:A:ALA:H	11	0.15
(1,204)	1:457:A:VAL:HG21	1:459:A:ALA:H	11	0.15
(1,204)	1:457:A:VAL:HG22	1:459:A:ALA:H	11	0.15
(1,204)	1:457:A:VAL:HG23	1:459:A:ALA:H	11	0.15
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	3	0.15
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	3	0.15
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	3	0.15
(1,176)	1:431:A:VAL:HG11	1:433:A:SER:H	15	0.15
(1,176)	1:431:A:VAL:HG12	1:433:A:SER:H	15	0.15
(1,176)	1:431:A:VAL:HG13	1:433:A:SER:H	15	0.15
(1,174)	1:425:A:PHE:HD1	1:431:A:VAL:HG11	16	0.15
(1,174)	1:425:A:PHE:HD1	1:431:A:VAL:HG12	16	0.15
(1,174)	1:425:A:PHE:HD1	1:431:A:VAL:HG13	16	0.15
(1,174)	1:425:A:PHE:HD2	1:431:A:VAL:HG11	16	0.15
(1,174)	1:425:A:PHE:HD2	1:431:A:VAL:HG12	16	0.15
(1,174)	1:425:A:PHE:HD2	1:431:A:VAL:HG13	16	0.15
(1,172)	1:431:A:VAL:HG11	1:432:A:ILE:H	5	0.15
(1,172)	1:431:A:VAL:HG12	1:432:A:ILE:H	5	0.15
(1,172)	1:431:A:VAL:HG13	1:432:A:ILE:H	5	0.15
(1,172)	1:431:A:VAL:HG11	1:432:A:ILE:H	20	0.15
(1,172)	1:431:A:VAL:HG12	1:432:A:ILE:H	20	0.15
(1,172)	1:431:A:VAL:HG13	1:432:A:ILE:H	20	0.15
(1,167)	1:468:A:GLY:HA2	1:476:A:LEU:HB2	10	0.15
(1,167)	1:468:A:GLY:HA2	1:476:A:LEU:HB3	10	0.15
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG2	20	0.15
(1,161)	1:468:A:GLY:HA2	1:475:A:ARG:HG3	20	0.15
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	1	0.15
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	1	0.15
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	1	0.15
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	1	0.15
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	1	0.15
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	13	0.15
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	13	0.15
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	13	0.15
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	13	0.15
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	13	0.15
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	13	0.15
(1,148)	1:442:A:THR:HG21	1:444:A:LEU:HD11	7	0.15
(1,148)	1:442:A:THR:HG21	1:444:A:LEU:HD12	7	0.15
(1,148)	1:442:A:THR:HG21	1:444:A:LEU:HD13	7	0.15
(1,148)	1:442:A:THR:HG21	1:444:A:LEU:HD21	7	0.15
(1,148)	1:442:A:THR:HG21	1:444:A:LEU:HD22	7	0.15
(1,148)	1:442:A:THR:HG21	1:444:A:LEU:HD23	7	0.15
(1,148)	1:442:A:THR:HG22	1:444:A:LEU:HD11	7	0.15
(1,148)	1:442:A:THR:HG22	1:444:A:LEU:HD12	7	0.15
(1,148)	1:442:A:THR:HG22	1:444:A:LEU:HD13	7	0.15
(1,148)	1:442:A:THR:HG22	1:444:A:LEU:HD21	7	0.15
(1,148)	1:442:A:THR:HG22	1:444:A:LEU:HD22	7	0.15
(1,148)	1:442:A:THR:HG22	1:444:A:LEU:HD23	7	0.15
(1,148)	1:442:A:THR:HG23	1:444:A:LEU:HD11	7	0.15
(1,148)	1:442:A:THR:HG23	1:444:A:LEU:HD12	7	0.15
(1,148)	1:442:A:THR:HG23	1:444:A:LEU:HD13	7	0.15
(1,148)	1:442:A:THR:HG23	1:444:A:LEU:HD21	7	0.15
(1,148)	1:442:A:THR:HG23	1:444:A:LEU:HD22	7	0.15
(1,148)	1:442:A:THR:HG23	1:444:A:LEU:HD23	7	0.15
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD11	10	0.15
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD12	10	0.15
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD13	10	0.15
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD21	10	0.15
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD22	10	0.15
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD23	10	0.15
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG21	13	0.15
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG22	13	0.15
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG23	13	0.15
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	8	0.15
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	8	0.15
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	8	0.15
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	8	0.15
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	8	0.15
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	8	0.15
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD11	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD12	7	0.15
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD13	7	0.15
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD21	7	0.15
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD22	7	0.15
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD23	7	0.15
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD11	8	0.15
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD12	8	0.15
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD13	8	0.15
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD21	8	0.15
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD22	8	0.15
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD23	8	0.15
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD11	15	0.15
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD12	15	0.15
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD13	15	0.15
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD21	15	0.15
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD22	15	0.15
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD23	15	0.15
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD11	9	0.15
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD12	9	0.15
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD13	9	0.15
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD21	9	0.15
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD22	9	0.15
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD23	9	0.15
(1,138)	1:422:A:LEU:HD11	1:431:A:VAL:H	10	0.15
(1,138)	1:422:A:LEU:HD12	1:431:A:VAL:H	10	0.15
(1,138)	1:422:A:LEU:HD13	1:431:A:VAL:H	10	0.15
(1,138)	1:422:A:LEU:HD21	1:431:A:VAL:H	10	0.15
(1,138)	1:422:A:LEU:HD22	1:431:A:VAL:H	10	0.15
(1,138)	1:422:A:LEU:HD23	1:431:A:VAL:H	10	0.15
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	1	0.15
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	1	0.15
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	1	0.15
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	1	0.15
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	1	0.15
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	1	0.15
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	1	0.15
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	1	0.15
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	1	0.15
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	1	0.15
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	1	0.15
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	1	0.15
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	2	0.15
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	2	0.15
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	2	0.15
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	2	0.15
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	2	0.15
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	2	0.15
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	2	0.15
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	2	0.15
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	2	0.15
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	2	0.15
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	2	0.15
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	5	0.15
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	5	0.15
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	5	0.15
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	5	0.15
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	5	0.15
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	5	0.15
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	5	0.15
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	5	0.15
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	5	0.15
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	5	0.15
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	5	0.15
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	5	0.15
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	9	0.15
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	9	0.15
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	9	0.15
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	9	0.15
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	9	0.15
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	9	0.15
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	9	0.15
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	9	0.15
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	9	0.15
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	9	0.15
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	9	0.15
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	9	0.15
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	16	0.15
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	16	0.15
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	16	0.15
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	16	0.15
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	16	0.15
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	16	0.15
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	16	0.15
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	16	0.15
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	16	0.15
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	16	0.15
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	16	0.15
(1,117)	1:442:A:THR:HG21	1:444:A:LEU:HG	20	0.15
(1,117)	1:442:A:THR:HG22	1:444:A:LEU:HG	20	0.15
(1,117)	1:442:A:THR:HG23	1:444:A:LEU:HG	20	0.15
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	14	0.15
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	14	0.15
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	14	0.15
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD11	16	0.15
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD12	16	0.15
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD13	16	0.15
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD21	16	0.15
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD22	16	0.15
(1,110)	1:412:A:LEU:HD11	1:476:A:LEU:HD23	16	0.15
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD11	16	0.15
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD12	16	0.15
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD13	16	0.15
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD21	16	0.15
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD22	16	0.15
(1,110)	1:412:A:LEU:HD12	1:476:A:LEU:HD23	16	0.15
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD11	16	0.15
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD12	16	0.15
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD13	16	0.15
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD21	16	0.15
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD22	16	0.15
(1,110)	1:412:A:LEU:HD13	1:476:A:LEU:HD23	16	0.15
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD11	16	0.15
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD12	16	0.15
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD13	16	0.15
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD21	16	0.15
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD22	16	0.15
(1,110)	1:412:A:LEU:HD21	1:476:A:LEU:HD23	16	0.15
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD11	16	0.15
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD12	16	0.15
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD13	16	0.15
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD21	16	0.15
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD22	16	0.15
(1,110)	1:412:A:LEU:HD22	1:476:A:LEU:HD23	16	0.15
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD11	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD12	16	0.15
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD13	16	0.15
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD21	16	0.15
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD22	16	0.15
(1,110)	1:412:A:LEU:HD23	1:476:A:LEU:HD23	16	0.15
(1,105)	1:412:A:LEU:HD11	1:449:A:GLY:HA2	9	0.15
(1,105)	1:412:A:LEU:HD12	1:449:A:GLY:HA2	9	0.15
(1,105)	1:412:A:LEU:HD13	1:449:A:GLY:HA2	9	0.15
(1,105)	1:412:A:LEU:HD21	1:449:A:GLY:HA2	9	0.15
(1,105)	1:412:A:LEU:HD22	1:449:A:GLY:HA2	9	0.15
(1,105)	1:412:A:LEU:HD23	1:449:A:GLY:HA2	9	0.15
(1,98)	1:476:A:LEU:HD11	1:477:A:LYS:H	4	0.15
(1,98)	1:476:A:LEU:HD12	1:477:A:LYS:H	4	0.15
(1,98)	1:476:A:LEU:HD13	1:477:A:LYS:H	4	0.15
(1,98)	1:476:A:LEU:HD21	1:477:A:LYS:H	4	0.15
(1,98)	1:476:A:LEU:HD22	1:477:A:LYS:H	4	0.15
(1,98)	1:476:A:LEU:HD23	1:477:A:LYS:H	4	0.15
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD11	4	0.15
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD12	4	0.15
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD13	4	0.15
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD21	4	0.15
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD22	4	0.15
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD23	4	0.15
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	6	0.15
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	6	0.15
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	17	0.15
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	17	0.15
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG2	9	0.15
(1,72)	1:410:A:TYR:H	1:477:A:LYS:HG3	9	0.15
(1,61)	1:480:A:LEU:HB2	1:480:A:LEU:HG	17	0.15
(1,61)	1:480:A:LEU:HB3	1:480:A:LEU:HG	17	0.15
(1,60)	1:480:A:LEU:HG	1:481:A:LYS:H	18	0.15
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	2	0.15
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	2	0.15
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	2	0.15
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	2	0.15
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	2	0.15
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	2	0.15
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	2	0.15
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	2	0.15
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	2	0.15
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	2	0.15
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	2	0.15
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	2	0.15
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	2	0.15
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	2	0.15
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	2	0.15
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	2	0.15
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	2	0.15
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	5	0.15
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	5	0.15
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	5	0.15
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	5	0.15
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	5	0.15
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	5	0.15
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	5	0.15
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	5	0.15
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	5	0.15
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	5	0.15
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	5	0.15
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	5	0.15
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	5	0.15
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	5	0.15
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	5	0.15
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	5	0.15
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	5	0.15
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	5	0.15
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	6	0.15
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	6	0.15
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	6	0.15
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	6	0.15
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	6	0.15
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	6	0.15
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	6	0.15
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	6	0.15
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	6	0.15
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	6	0.15
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	6	0.15
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	6	0.15
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	6	0.15
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	6	0.15
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	6	0.15
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	6	0.15
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	6	0.15
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	8	0.15
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	8	0.15
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	8	0.15
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	8	0.15
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	8	0.15
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	8	0.15
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	8	0.15
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	8	0.15
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	8	0.15
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	8	0.15
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	8	0.15
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	8	0.15
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	8	0.15
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	8	0.15
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	8	0.15
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	8	0.15
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	8	0.15
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	8	0.15
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD11	7	0.15
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD12	7	0.15
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD13	7	0.15
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD21	7	0.15
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD22	7	0.15
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD23	7	0.15
(1,40)	1:409:A:ILE:HD11	1:476:A:LEU:HG	7	0.15
(1,40)	1:409:A:ILE:HD12	1:476:A:LEU:HG	7	0.15
(1,40)	1:409:A:ILE:HD13	1:476:A:LEU:HG	7	0.15
(1,38)	1:409:A:ILE:HG13	1:476:A:LEU:HG	17	0.15
(1,35)	1:469:A:PHE:H	1:476:A:LEU:HG	16	0.15
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	3	0.15
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	9	0.15
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	13	0.15
(1,27)	1:402:A:PRO:HD3	1:455:A:ASN:HA	15	0.15
(1,24)	1:402:A:PRO:HD2	1:455:A:ASN:HA	17	0.15
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	19	0.15
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	19	0.15
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	19	0.15
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB1	6	0.15
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB2	6	0.15
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB3	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11)	1:407:A:LEU:HG	1:462:A:ALA:H	11	0.15
(1,2410)	1:408:A:PHE:HE1	1:450:A:PHE:HE1	19	0.14
(1,2410)	1:408:A:PHE:HE1	1:450:A:PHE:HE2	19	0.14
(1,2410)	1:408:A:PHE:HE2	1:450:A:PHE:HE1	19	0.14
(1,2410)	1:408:A:PHE:HE2	1:450:A:PHE:HE2	19	0.14
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD1	11	0.14
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD2	11	0.14
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD1	11	0.14
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD2	11	0.14
(1,2403)	1:416:A:PHE:HE1	1:425:A:PHE:HE1	17	0.14
(1,2403)	1:416:A:PHE:HE1	1:425:A:PHE:HE2	17	0.14
(1,2403)	1:416:A:PHE:HE2	1:425:A:PHE:HE1	17	0.14
(1,2403)	1:416:A:PHE:HE2	1:425:A:PHE:HE2	17	0.14
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG12	18	0.14
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG13	18	0.14
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG12	18	0.14
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG13	18	0.14
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	10	0.14
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	10	0.14
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	18	0.14
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	18	0.14
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	10	0.14
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	10	0.14
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	10	0.14
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	10	0.14
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	10	0.14
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	10	0.14
(1,2386)	1:450:A:PHE:HD1	1:451:A:VAL:H	3	0.14
(1,2386)	1:450:A:PHE:HD2	1:451:A:VAL:H	3	0.14
(1,2386)	1:450:A:PHE:HD1	1:451:A:VAL:H	13	0.14
(1,2386)	1:450:A:PHE:HD2	1:451:A:VAL:H	13	0.14
(1,2382)	1:466:A:MET:HG2	1:469:A:PHE:HD1	10	0.14
(1,2382)	1:466:A:MET:HG2	1:469:A:PHE:HD2	10	0.14
(1,2382)	1:466:A:MET:HG3	1:469:A:PHE:HD1	10	0.14
(1,2382)	1:466:A:MET:HG3	1:469:A:PHE:HD2	10	0.14
(1,2381)	1:469:A:PHE:HD1	1:470:A:GLN:H	9	0.14
(1,2381)	1:469:A:PHE:HD2	1:470:A:GLN:H	9	0.14
(1,2379)	1:436:A:VAL:HA	1:450:A:PHE:HD1	13	0.14
(1,2379)	1:436:A:VAL:HA	1:450:A:PHE:HD2	13	0.14
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG2	14	0.14
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG3	14	0.14
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG2	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG3	14	0.14
(1,2375)	1:437:A:PHE:HD1	1:438:A:ILE:H	5	0.14
(1,2375)	1:437:A:PHE:HD2	1:438:A:ILE:H	5	0.14
(1,2375)	1:437:A:PHE:HD1	1:438:A:ILE:H	16	0.14
(1,2375)	1:437:A:PHE:HD2	1:438:A:ILE:H	16	0.14
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	19	0.14
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	19	0.14
(1,2372)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	19	0.14
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	19	0.14
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	19	0.14
(1,2372)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	19	0.14
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	11	0.14
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	11	0.14
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	12	0.14
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	12	0.14
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	12	0.14
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	12	0.14
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	12	0.14
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	12	0.14
(1,2355)	1:425:A:PHE:HD1	1:451:A:VAL:HG21	16	0.14
(1,2355)	1:425:A:PHE:HD1	1:451:A:VAL:HG22	16	0.14
(1,2355)	1:425:A:PHE:HD1	1:451:A:VAL:HG23	16	0.14
(1,2355)	1:425:A:PHE:HD2	1:451:A:VAL:HG21	16	0.14
(1,2355)	1:425:A:PHE:HD2	1:451:A:VAL:HG22	16	0.14
(1,2355)	1:425:A:PHE:HD2	1:451:A:VAL:HG23	16	0.14
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD1	9	0.14
(1,2344)	1:448:A:PHE:HA	1:448:A:PHE:HD2	9	0.14
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB2	3	0.14
(1,2336)	1:410:A:TYR:HD1	1:448:A:PHE:HB3	3	0.14
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB2	3	0.14
(1,2336)	1:410:A:TYR:HD2	1:448:A:PHE:HB3	3	0.14
(1,2319)	1:448:A:PHE:HB2	1:449:A:GLY:H	14	0.14
(1,2319)	1:448:A:PHE:HB3	1:449:A:GLY:H	14	0.14
(1,2297)	1:428:A:PHE:HE1	1:466:A:MET:H	2	0.14
(1,2297)	1:428:A:PHE:HE2	1:466:A:MET:H	2	0.14
(1,2297)	1:428:A:PHE:HE1	1:466:A:MET:H	8	0.14
(1,2297)	1:428:A:PHE:HE2	1:466:A:MET:H	8	0.14
(1,2297)	1:428:A:PHE:HE1	1:466:A:MET:H	13	0.14
(1,2297)	1:428:A:PHE:HE2	1:466:A:MET:H	13	0.14
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	13	0.14
(1,2292)	1:466:A:MET:H	1:467:A:ASN:HA	4	0.14
(1,2287)	1:470:A:GLN:HB2	1:470:A:GLN:HE22	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2286)	1:456:A:PRO:HB2	1:460:A:GLN:HE22	4	0.14
(1,2281)	1:463:A:ILE:H	1:464:A:GLN:HE21	18	0.14
(1,2276)	1:464:A:GLN:H	1:464:A:GLN:HE22	12	0.14
(1,2275)	1:419:A:GLN:H	1:419:A:GLN:HE22	14	0.14
(1,2274)	1:456:A:PRO:HB3	1:460:A:GLN:HE22	11	0.14
(1,2274)	1:456:A:PRO:HB3	1:460:A:GLN:HE22	19	0.14
(1,2272)	1:438:A:ILE:HG21	1:443:A:ASN:HD21	2	0.14
(1,2272)	1:438:A:ILE:HG22	1:443:A:ASN:HD21	2	0.14
(1,2272)	1:438:A:ILE:HG23	1:443:A:ASN:HD21	2	0.14
(1,2270)	1:420:A:ASP:H	1:423:A:GLN:HE21	9	0.14
(1,2270)	1:420:A:ASP:H	1:423:A:GLN:HE21	11	0.14
(1,2241)	1:445:A:SER:HB2	1:479:A:GLN:HE22	14	0.14
(1,2240)	1:445:A:SER:HB3	1:479:A:GLN:HE22	2	0.14
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	10	0.14
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	10	0.14
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	10	0.14
(1,2231)	1:417:A:GLY:H	1:419:A:GLN:H	5	0.14
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	13	0.14
(1,2216)	1:430:A:ASN:HD21	1:454:A:ASP:HB3	5	0.14
(1,2210)	1:430:A:ASN:HD21	1:431:A:VAL:H	9	0.14
(1,2206)	1:430:A:ASN:H	1:430:A:ASN:HD21	2	0.14
(1,2206)	1:430:A:ASN:H	1:430:A:ASN:HD21	8	0.14
(1,2206)	1:430:A:ASN:H	1:430:A:ASN:HD21	19	0.14
(1,2197)	1:430:A:ASN:HD22	1:432:A:ILE:HD11	8	0.14
(1,2197)	1:430:A:ASN:HD22	1:432:A:ILE:HD12	8	0.14
(1,2197)	1:430:A:ASN:HD22	1:432:A:ILE:HD13	8	0.14
(1,2191)	1:453:A:TYR:HB3	1:455:A:ASN:H	9	0.14
(1,2189)	1:453:A:TYR:HB2	1:455:A:ASN:H	4	0.14
(1,2179)	1:412:A:LEU:H	1:448:A:PHE:HA	3	0.14
(1,2179)	1:412:A:LEU:H	1:448:A:PHE:HA	5	0.14
(1,2170)	1:455:A:ASN:HD21	1:458:A:SER:HB3	5	0.14
(1,2168)	1:455:A:ASN:HD21	1:457:A:VAL:H	5	0.14
(1,2164)	1:455:A:ASN:HD22	1:457:A:VAL:HB	14	0.14
(1,2156)	1:414:A:GLN:HG3	1:415:A:GLU:H	6	0.14
(1,2156)	1:414:A:GLN:HG3	1:415:A:GLU:H	14	0.14
(1,2139)	1:444:A:LEU:HA	1:445:A:SER:H	3	0.14
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	2	0.14
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	2	0.14
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	7	0.14
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	7	0.14
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	12	0.14
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	14	0.14
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	14	0.14
(1,2125)	1:420:A:ASP:HA	1:423:A:GLN:H	14	0.14
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	13	0.14
(1,2105)	1:420:A:ASP:HB3	1:421:A:ILE:H	15	0.14
(1,2093)	1:464:A:GLN:H	1:465:A:ALA:H	4	0.14
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	1	0.14
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	3	0.14
(1,2084)	1:439:A:ASP:HB3	1:443:A:ASN:H	11	0.14
(1,2083)	1:463:A:ILE:HB	1:465:A:ALA:H	4	0.14
(1,2083)	1:463:A:ILE:HB	1:465:A:ALA:H	16	0.14
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	15	0.14
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	15	0.14
(1,2074)	1:441:A:GLN:H	1:441:A:GLN:HB3	20	0.14
(1,2072)	1:441:A:GLN:H	1:443:A:ASN:H	7	0.14
(1,2061)	1:429:A:GLY:HA2	1:430:A:ASN:H	4	0.14
(1,2061)	1:429:A:GLY:HA2	1:430:A:ASN:H	10	0.14
(1,2054)	1:400:A:GLU:HB3	1:406:A:ASN:HD21	12	0.14
(1,2031)	1:482:A:ARG:HB3	1:483:A:SER:H	18	0.14
(1,2017)	1:461:A:ALA:HA	1:463:A:ILE:H	5	0.14
(1,2017)	1:461:A:ALA:HA	1:463:A:ILE:H	8	0.14
(1,2017)	1:461:A:ALA:HA	1:463:A:ILE:H	15	0.14
(1,2017)	1:461:A:ALA:HA	1:463:A:ILE:H	19	0.14
(1,2014)	1:407:A:LEU:HB2	1:408:A:PHE:H	4	0.14
(1,2004)	1:463:A:ILE:HG21	1:467:A:ASN:H	6	0.14
(1,2004)	1:463:A:ILE:HG22	1:467:A:ASN:H	6	0.14
(1,2004)	1:463:A:ILE:HG23	1:467:A:ASN:H	6	0.14
(1,2003)	1:467:A:ASN:H	1:467:A:ASN:HB3	13	0.14
(1,2000)	1:403:A:GLU:H	1:403:A:GLU:HB2	13	0.14
(1,1995)	1:402:A:PRO:HB2	1:403:A:GLU:H	16	0.14
(1,1995)	1:402:A:PRO:HB3	1:403:A:GLU:H	16	0.14
(1,1995)	1:402:A:PRO:HB2	1:403:A:GLU:H	18	0.14
(1,1995)	1:402:A:PRO:HB3	1:403:A:GLU:H	18	0.14
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	8	0.14
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	9	0.14
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	19	0.14
(1,1986)	1:474:A:LYS:H	1:474:A:LYS:HB2	20	0.14
(1,1976)	1:474:A:LYS:HB3	1:475:A:ARG:H	2	0.14
(1,1975)	1:470:A:GLN:HG2	1:475:A:ARG:H	3	0.14
(1,1975)	1:470:A:GLN:HG3	1:475:A:ARG:H	3	0.14
(1,1970)	1:475:A:ARG:H	1:476:A:LEU:H	4	0.14
(1,1961)	1:450:A:PHE:H	1:450:A:PHE:HB3	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1961)	1:450:A:PHE:H	1:450:A:PHE:HB3	9	0.14
(1,1960)	1:436:A:VAL:HA	1:450:A:PHE:H	6	0.14
(1,1960)	1:436:A:VAL:HA	1:450:A:PHE:H	15	0.14
(1,1952)	1:453:A:TYR:HE1	1:459:A:ALA:H	11	0.14
(1,1952)	1:453:A:TYR:HE2	1:459:A:ALA:H	11	0.14
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	6	0.14
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	12	0.14
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	15	0.14
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	19	0.14
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	14	0.14
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	14	0.14
(1,1932)	1:435:A:LYS:H	1:435:A:LYS:HG2	14	0.14
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB2	18	0.14
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB3	18	0.14
(1,1928)	1:435:A:LYS:H	1:451:A:VAL:HA	4	0.14
(1,1928)	1:435:A:LYS:H	1:451:A:VAL:HA	19	0.14
(1,1920)	1:453:A:TYR:H	1:454:A:ASP:H	17	0.14
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG21	4	0.14
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG22	4	0.14
(1,1918)	1:400:A:GLU:H	1:432:A:ILE:HG23	4	0.14
(1,1914)	1:399:A:LYS:HB2	1:400:A:GLU:H	2	0.14
(1,1914)	1:399:A:LYS:HB3	1:400:A:GLU:H	2	0.14
(1,1899)	1:417:A:GLY:HA2	1:418:A:ASP:H	5	0.14
(1,1896)	1:418:A:ASP:H	1:419:A:GLN:H	14	0.14
(1,1891)	1:428:A:PHE:HB3	1:462:A:ALA:H	15	0.14
(1,1870)	1:398:A:GLN:H	1:399:A:LYS:H	20	0.14
(1,1857)	1:461:A:ALA:H	1:463:A:ILE:HG12	18	0.14
(1,1857)	1:461:A:ALA:H	1:463:A:ILE:HG13	18	0.14
(1,1854)	1:422:A:LEU:H	1:422:A:LEU:HB2	3	0.14
(1,1849)	1:399:A:LYS:H	1:433:A:SER:HA	17	0.14
(1,1841)	1:480:A:LEU:H	1:481:A:LYS:H	10	0.14
(1,1841)	1:480:A:LEU:H	1:481:A:LYS:H	13	0.14
(1,1839)	1:470:A:GLN:HA	1:476:A:LEU:H	2	0.14
(1,1839)	1:470:A:GLN:HA	1:476:A:LEU:H	8	0.14
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG21	3	0.14
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG22	3	0.14
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG23	3	0.14
(1,1821)	1:421:A:ILE:HG21	1:422:A:LEU:H	1	0.14
(1,1821)	1:421:A:ILE:HG22	1:422:A:LEU:H	1	0.14
(1,1821)	1:421:A:ILE:HG23	1:422:A:LEU:H	1	0.14
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB2	3	0.14
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB3	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB2	10	0.14
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB3	10	0.14
(1,1815)	1:469:A:PHE:H	1:476:A:LEU:HA	3	0.14
(1,1801)	1:410:A:TYR:HB2	1:477:A:LYS:H	4	0.14
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	1	0.14
(1,1794)	1:407:A:LEU:HD11	1:479:A:GLN:H	11	0.14
(1,1794)	1:407:A:LEU:HD12	1:479:A:GLN:H	11	0.14
(1,1794)	1:407:A:LEU:HD13	1:479:A:GLN:H	11	0.14
(1,1794)	1:407:A:LEU:HD21	1:479:A:GLN:H	11	0.14
(1,1794)	1:407:A:LEU:HD22	1:479:A:GLN:H	11	0.14
(1,1794)	1:407:A:LEU:HD23	1:479:A:GLN:H	11	0.14
(1,1778)	1:434:A:ALA:H	1:435:A:LYS:HG2	4	0.14
(1,1778)	1:434:A:ALA:H	1:435:A:LYS:HG2	5	0.14
(1,1774)	1:433:A:SER:H	1:434:A:ALA:H	7	0.14
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	1	0.14
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	2	0.14
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	4	0.14
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	6	0.14
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	17	0.14
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	18	0.14
(1,1769)	1:446:A:LYS:H	1:447:A:CYS:H	5	0.14
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	1	0.14
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	2	0.14
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	5	0.14
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	7	0.14
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	20	0.14
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG11	4	0.14
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG12	4	0.14
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG13	4	0.14
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG11	13	0.14
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG12	13	0.14
(1,1739)	1:426:A:MET:H	1:451:A:VAL:HG13	13	0.14
(1,1733)	1:424:A:MET:HA	1:426:A:MET:H	9	0.14
(1,1733)	1:424:A:MET:HA	1:426:A:MET:H	19	0.14
(1,1719)	1:469:A:PHE:HE1	1:470:A:GLN:H	14	0.14
(1,1719)	1:469:A:PHE:HE2	1:470:A:GLN:H	14	0.14
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	16	0.14
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	16	0.14
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	2	0.14
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	2	0.14
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB2	17	0.14
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB3	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD11	8	0.14
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD12	8	0.14
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD13	8	0.14
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	4	0.14
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	4	0.14
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	4	0.14
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	4	0.14
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	4	0.14
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	4	0.14
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	4	0.14
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	4	0.14
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	4	0.14
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	4	0.14
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	4	0.14
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	4	0.14
(1,1672)	1:405:A:ALA:HB1	1:456:A:PRO:HG2	15	0.14
(1,1672)	1:405:A:ALA:HB1	1:456:A:PRO:HG3	15	0.14
(1,1672)	1:405:A:ALA:HB2	1:456:A:PRO:HG2	15	0.14
(1,1672)	1:405:A:ALA:HB2	1:456:A:PRO:HG3	15	0.14
(1,1672)	1:405:A:ALA:HB3	1:456:A:PRO:HG2	15	0.14
(1,1672)	1:405:A:ALA:HB3	1:456:A:PRO:HG3	15	0.14
(1,1670)	1:405:A:ALA:H	1:456:A:PRO:HG2	8	0.14
(1,1670)	1:405:A:ALA:H	1:456:A:PRO:HG3	8	0.14
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG12	9	0.14
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG13	9	0.14
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG12	14	0.14
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG13	14	0.14
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG12	17	0.14
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG13	17	0.14
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	8	0.14
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	8	0.14
(1,1657)	1:419:A:GLN:HB2	1:422:A:LEU:HB2	20	0.14
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	1	0.14
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	8	0.14
(1,1649)	1:419:A:GLN:HB2	1:422:A:LEU:HB3	18	0.14
(1,1633)	1:405:A:ALA:HA	1:406:A:ASN:HD22	16	0.14
(1,1630)	1:405:A:ALA:HA	1:452:A:SER:HA	19	0.14
(1,1629)	1:405:A:ALA:HA	1:455:A:ASN:HA	8	0.14
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	16	0.14
(1,1580)	1:402:A:PRO:HG3	1:456:A:PRO:HD3	11	0.14
(1,1572)	1:409:A:ILE:HG12	1:449:A:GLY:H	19	0.14
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	20	0.14
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD1	7	0.14
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD2	7	0.14
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD1	14	0.14
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD2	14	0.14
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD2	1	0.14
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD3	1	0.14
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD2	1	0.14
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD3	1	0.14
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD2	1	0.14
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD3	1	0.14
(1,1529)	1:399:A:LYS:HA	1:399:A:LYS:HD2	4	0.14
(1,1529)	1:399:A:LYS:HA	1:399:A:LYS:HD3	4	0.14
(1,1522)	1:410:A:TYR:HD1	1:477:A:LYS:HD2	2	0.14
(1,1522)	1:410:A:TYR:HD1	1:477:A:LYS:HD3	2	0.14
(1,1522)	1:410:A:TYR:HD2	1:477:A:LYS:HD2	2	0.14
(1,1522)	1:410:A:TYR:HD2	1:477:A:LYS:HD3	2	0.14
(1,1516)	1:398:A:GLN:HB2	1:435:A:LYS:H	16	0.14
(1,1516)	1:398:A:GLN:HB3	1:435:A:LYS:H	16	0.14
(1,1509)	1:441:A:GLN:HB2	1:443:A:ASN:H	7	0.14
(1,1508)	1:441:A:GLN:H	1:441:A:GLN:HB2	20	0.14
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	20	0.14
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	20	0.14
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	20	0.14
(1,1504)	1:402:A:PRO:HA	1:403:A:GLU:HB2	6	0.14
(1,1504)	1:402:A:PRO:HA	1:403:A:GLU:HB2	9	0.14
(1,1493)	1:406:A:ASN:HA	1:453:A:TYR:H	1	0.14
(1,1484)	1:406:A:ASN:HA	1:451:A:VAL:H	1	0.14
(1,1484)	1:406:A:ASN:HA	1:451:A:VAL:H	13	0.14
(1,1484)	1:406:A:ASN:HA	1:451:A:VAL:H	17	0.14
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD1	1	0.14
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD2	1	0.14
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD1	6	0.14
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD2	6	0.14
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD1	14	0.14
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD2	14	0.14
(1,1478)	1:402:A:PRO:HG3	1:454:A:ASP:HA	11	0.14
(1,1478)	1:402:A:PRO:HG3	1:454:A:ASP:HA	17	0.14
(1,1462)	1:432:A:ILE:H	1:454:A:ASP:HA	14	0.14
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	10	0.14
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	10	0.14
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG11	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG12	1	0.14
(1,1453)	1:466:A:MET:HA	1:478:A:VAL:HG13	1	0.14
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	20	0.14
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE1	3	0.14
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE2	3	0.14
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE1	15	0.14
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE2	15	0.14
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD11	5	0.14
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD12	5	0.14
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD13	5	0.14
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD21	5	0.14
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD22	5	0.14
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD23	5	0.14
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD11	15	0.14
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD12	15	0.14
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD13	15	0.14
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD21	15	0.14
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD22	15	0.14
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD23	15	0.14
(1,1430)	1:418:A:ASP:HB3	1:435:A:LYS:HA	11	0.14
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB2	11	0.14
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB3	11	0.14
(1,1423)	1:462:A:ALA:HA	1:466:A:MET:HB2	8	0.14
(1,1423)	1:462:A:ALA:HA	1:466:A:MET:HB3	8	0.14
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	7	0.14
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	11	0.14
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	14	0.14
(1,1408)	1:400:A:GLU:HB3	1:406:A:ASN:HD22	13	0.14
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	3	0.14
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	3	0.14
(1,1402)	1:400:A:GLU:HB2	1:452:A:SER:HB2	3	0.14
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	1	0.14
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	1	0.14
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	1	0.14
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	1	0.14
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	1	0.14
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	1	0.14
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	1	0.14
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	1	0.14
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	1	0.14
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	1	0.14
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	1	0.14
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	16	0.14
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	16	0.14
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	16	0.14
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	16	0.14
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD1	2	0.14
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD2	2	0.14
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD1	2	0.14
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD2	2	0.14
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD1	9	0.14
(1,1367)	1:466:A:MET:HB2	1:469:A:PHE:HD2	9	0.14
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD1	9	0.14
(1,1367)	1:466:A:MET:HB3	1:469:A:PHE:HD2	9	0.14
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	9	0.14
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	9	0.14
(1,1357)	1:474:A:LYS:HA	1:475:A:ARG:HA	14	0.14
(1,1357)	1:474:A:LYS:HA	1:475:A:ARG:HA	17	0.14
(1,1357)	1:474:A:LYS:HA	1:475:A:ARG:HA	20	0.14
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG21	8	0.14
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG22	8	0.14
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG23	8	0.14
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG21	8	0.14
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG22	8	0.14
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG23	8	0.14
(1,1328)	1:412:A:LEU:HD11	1:448:A:PHE:HA	11	0.14
(1,1328)	1:412:A:LEU:HD12	1:448:A:PHE:HA	11	0.14
(1,1328)	1:412:A:LEU:HD13	1:448:A:PHE:HA	11	0.14
(1,1328)	1:412:A:LEU:HD21	1:448:A:PHE:HA	11	0.14
(1,1328)	1:412:A:LEU:HD22	1:448:A:PHE:HA	11	0.14
(1,1328)	1:412:A:LEU:HD23	1:448:A:PHE:HA	11	0.14
(1,1328)	1:412:A:LEU:HD11	1:448:A:PHE:HA	16	0.14
(1,1328)	1:412:A:LEU:HD12	1:448:A:PHE:HA	16	0.14
(1,1328)	1:412:A:LEU:HD13	1:448:A:PHE:HA	16	0.14
(1,1328)	1:412:A:LEU:HD21	1:448:A:PHE:HA	16	0.14
(1,1328)	1:412:A:LEU:HD22	1:448:A:PHE:HA	16	0.14
(1,1328)	1:412:A:LEU:HD23	1:448:A:PHE:HA	16	0.14
(1,1321)	1:431:A:VAL:HB	1:433:A:SER:H	12	0.14
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	1	0.14
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD2	20	0.14
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD3	20	0.14
(1,1274)	1:456:A:PRO:HB2	1:457:A:VAL:H	4	0.14
(1,1274)	1:456:A:PRO:HB2	1:457:A:VAL:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	3	0.14
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	11	0.14
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	12	0.14
(1,1264)	1:405:A:ALA:HB1	1:456:A:PRO:HB3	9	0.14
(1,1264)	1:405:A:ALA:HB2	1:456:A:PRO:HB3	9	0.14
(1,1264)	1:405:A:ALA:HB3	1:456:A:PRO:HB3	9	0.14
(1,1262)	1:400:A:GLU:HA	1:452:A:SER:HB2	8	0.14
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG21	4	0.14
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG22	4	0.14
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG23	4	0.14
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB2	6	0.14
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB3	6	0.14
(1,1244)	1:411:A:HIS:HB2	1:476:A:LEU:HA	12	0.14
(1,1240)	1:469:A:PHE:HD1	1:470:A:GLN:HA	16	0.14
(1,1240)	1:469:A:PHE:HD2	1:470:A:GLN:HA	16	0.14
(1,1238)	1:451:A:VAL:HG11	1:452:A:SER:HA	5	0.14
(1,1238)	1:451:A:VAL:HG12	1:452:A:SER:HA	5	0.14
(1,1238)	1:451:A:VAL:HG13	1:452:A:SER:HA	5	0.14
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	9	0.14
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	9	0.14
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	9	0.14
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	10	0.14
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	10	0.14
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	10	0.14
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	17	0.14
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	17	0.14
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	17	0.14
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG21	7	0.14
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG22	7	0.14
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG23	7	0.14
(1,1228)	1:398:A:GLN:HG3	1:399:A:LYS:HA	17	0.14
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	5	0.14
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	6	0.14
(1,1203)	1:408:A:PHE:HB2	1:479:A:GLN:HB2	3	0.14
(1,1203)	1:408:A:PHE:HB2	1:479:A:GLN:HB3	3	0.14
(1,1193)	1:423:A:GLN:HG3	1:423:A:GLN:HE21	1	0.14
(1,1174)	1:417:A:GLY:HA3	1:436:A:VAL:HB	7	0.14
(1,1174)	1:417:A:GLY:HA3	1:436:A:VAL:HB	10	0.14
(1,1174)	1:417:A:GLY:HA3	1:436:A:VAL:HB	17	0.14
(1,1162)	1:460:A:GLN:HG2	1:463:A:ILE:HB	12	0.14
(1,1162)	1:460:A:GLN:HG3	1:463:A:ILE:HB	12	0.14
(1,1159)	1:398:A:GLN:HG3	1:433:A:SER:HB2	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD11	11	0.14
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD12	11	0.14
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD13	11	0.14
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD21	11	0.14
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD22	11	0.14
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD23	11	0.14
(1,1147)	1:483:A:SER:HB2	1:484:A:LYS:HA	12	0.14
(1,1147)	1:483:A:SER:HB3	1:484:A:LYS:HA	12	0.14
(1,1145)	1:484:A:LYS:HA	1:485:A:ASN:HB3	12	0.14
(1,1135)	1:484:A:LYS:HA	1:484:A:LYS:HE2	3	0.14
(1,1135)	1:484:A:LYS:HA	1:484:A:LYS:HE3	3	0.14
(1,1135)	1:484:A:LYS:HA	1:484:A:LYS:HE2	19	0.14
(1,1135)	1:484:A:LYS:HA	1:484:A:LYS:HE3	19	0.14
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	8	0.14
(1,1115)	1:452:A:SER:H	1:453:A:TYR:HA	14	0.14
(1,1113)	1:423:A:GLN:HA	1:423:A:GLN:HG2	2	0.14
(1,1113)	1:423:A:GLN:HA	1:423:A:GLN:HG2	14	0.14
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	1	0.14
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	3	0.14
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	5	0.14
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	18	0.14
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	19	0.14
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	20	0.14
(1,1103)	1:479:A:GLN:HG2	1:480:A:LEU:H	16	0.14
(1,1103)	1:479:A:GLN:HG3	1:480:A:LEU:H	16	0.14
(1,1103)	1:479:A:GLN:HG2	1:480:A:LEU:H	20	0.14
(1,1103)	1:479:A:GLN:HG3	1:480:A:LEU:H	20	0.14
(1,1096)	1:463:A:ILE:HA	1:478:A:VAL:HB	16	0.14
(1,1079)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	11	0.14
(1,1078)	1:440:A:LYS:HE2	1:441:A:GLN:HG3	1	0.14
(1,1078)	1:440:A:LYS:HE3	1:441:A:GLN:HG3	1	0.14
(1,1078)	1:440:A:LYS:HE2	1:441:A:GLN:HG3	8	0.14
(1,1078)	1:440:A:LYS:HE3	1:441:A:GLN:HG3	8	0.14
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	3	0.14
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	3	0.14
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB2	17	0.14
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB3	17	0.14
(1,1052)	1:411:A:HIS:HB3	1:474:A:LYS:HB2	9	0.14
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG21	7	0.14
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG22	7	0.14
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG23	7	0.14
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG21	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG22	20	0.14
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG23	20	0.14
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	3	0.14
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	3	0.14
(1,1021)	1:444:A:LEU:HD11	1:445:A:SER:HA	1	0.14
(1,1021)	1:444:A:LEU:HD12	1:445:A:SER:HA	1	0.14
(1,1021)	1:444:A:LEU:HD13	1:445:A:SER:HA	1	0.14
(1,1021)	1:444:A:LEU:HD21	1:445:A:SER:HA	1	0.14
(1,1021)	1:444:A:LEU:HD22	1:445:A:SER:HA	1	0.14
(1,1021)	1:444:A:LEU:HD23	1:445:A:SER:HA	1	0.14
(1,1021)	1:444:A:LEU:HD11	1:445:A:SER:HA	17	0.14
(1,1021)	1:444:A:LEU:HD12	1:445:A:SER:HA	17	0.14
(1,1021)	1:444:A:LEU:HD13	1:445:A:SER:HA	17	0.14
(1,1021)	1:444:A:LEU:HD21	1:445:A:SER:HA	17	0.14
(1,1021)	1:444:A:LEU:HD22	1:445:A:SER:HA	17	0.14
(1,1021)	1:444:A:LEU:HD23	1:445:A:SER:HA	17	0.14
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	12	0.14
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	12	0.14
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	14	0.14
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	14	0.14
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	20	0.14
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	20	0.14
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	1	0.14
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	5	0.14
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	9	0.14
(1,1012)	1:460:A:GLN:HA	1:463:A:ILE:HB	13	0.14
(1,1011)	1:460:A:GLN:HA	1:463:A:ILE:HA	4	0.14
(1,1002)	1:435:A:LYS:HE2	1:437:A:PHE:HA	20	0.14
(1,1002)	1:435:A:LYS:HE3	1:437:A:PHE:HA	20	0.14
(1,999)	1:403:A:GLU:H	1:403:A:GLU:HG2	17	0.14
(1,998)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	1	0.14
(1,998)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	17	0.14
(1,987)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	9	0.14
(1,987)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	9	0.14
(1,987)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	9	0.14
(1,982)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	16	0.14
(1,982)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	16	0.14
(1,982)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	16	0.14
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD11	1	0.14
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD12	1	0.14
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD13	1	0.14
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD11	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD12	11	0.14
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD13	11	0.14
(1,971)	1:413:A:PRO:HA	1:414:A:GLN:HA	11	0.14
(1,964)	1:422:A:LEU:HA	1:434:A:ALA:HA	3	0.14
(1,963)	1:469:A:PHE:HA	1:476:A:LEU:H	2	0.14
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	13	0.14
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	13	0.14
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	13	0.14
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	13	0.14
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	6	0.14
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	6	0.14
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	7	0.14
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	7	0.14
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	7	0.14
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	7	0.14
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	7	0.14
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	7	0.14
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	4	0.14
(1,932)	1:400:A:GLU:HG2	1:452:A:SER:HB3	16	0.14
(1,927)	1:400:A:GLU:HG2	1:406:A:ASN:HB2	8	0.14
(1,921)	1:400:A:GLU:HG3	1:452:A:SER:HB2	13	0.14
(1,919)	1:400:A:GLU:HG3	1:406:A:ASN:HD21	3	0.14
(1,919)	1:400:A:GLU:HG3	1:406:A:ASN:HD21	12	0.14
(1,919)	1:400:A:GLU:HG3	1:406:A:ASN:HD21	18	0.14
(1,915)	1:421:A:ILE:HD11	1:449:A:GLY:H	4	0.14
(1,915)	1:421:A:ILE:HD12	1:449:A:GLY:H	4	0.14
(1,915)	1:421:A:ILE:HD13	1:449:A:GLY:H	4	0.14
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	11	0.14
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	11	0.14
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	11	0.14
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD11	13	0.14
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD12	13	0.14
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD13	13	0.14
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD11	19	0.14
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD12	19	0.14
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD13	19	0.14
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD1	20	0.14
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD2	20	0.14
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD1	20	0.14
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD2	20	0.14
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD1	20	0.14
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD2	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	14	0.14
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	14	0.14
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	14	0.14
(1,898)	1:421:A:ILE:HD11	1:451:A:VAL:HB	4	0.14
(1,898)	1:421:A:ILE:HD12	1:451:A:VAL:HB	4	0.14
(1,898)	1:421:A:ILE:HD13	1:451:A:VAL:HB	4	0.14
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD11	13	0.14
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD12	13	0.14
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD13	13	0.14
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD11	19	0.14
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD12	19	0.14
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD13	19	0.14
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	13	0.14
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	13	0.14
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	13	0.14
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	12	0.14
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	12	0.14
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	12	0.14
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	13	0.14
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	13	0.14
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	13	0.14
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	19	0.14
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	19	0.14
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	19	0.14
(1,876)	1:433:A:SER:H	1:451:A:VAL:HA	2	0.14
(1,865)	1:430:A:ASN:HB2	1:454:A:ASP:HB2	18	0.14
(1,865)	1:430:A:ASN:HB3	1:454:A:ASP:HB2	18	0.14
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	7	0.14
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	7	0.14
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	7	0.14
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	7	0.14
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	7	0.14
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	7	0.14
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	2	0.14
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	2	0.14
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	2	0.14
(1,851)	1:399:A:LYS:HD2	1:432:A:ILE:HB	10	0.14
(1,851)	1:399:A:LYS:HD3	1:432:A:ILE:HB	10	0.14
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	10	0.14
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	19	0.14
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	19	0.14
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	19	0.14
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	19	0.14
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	19	0.14
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	15	0.14
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	15	0.14
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	15	0.14
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	12	0.14
(1,833)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	1	0.14
(1,833)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	6	0.14
(1,833)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	10	0.14
(1,833)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	15	0.14
(1,820)	1:463:A:ILE:HB	1:464:A:GLN:HE22	1	0.14
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE1	6	0.14
(1,816)	1:425:A:PHE:HB3	1:453:A:TYR:HE2	6	0.14
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	6	0.14
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	6	0.14
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	6	0.14
(1,806)	1:463:A:ILE:HB	1:467:A:ASN:HB3	2	0.14
(1,806)	1:463:A:ILE:HB	1:467:A:ASN:HB3	4	0.14
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG11	20	0.14
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG12	20	0.14
(1,805)	1:425:A:PHE:HB3	1:431:A:VAL:HG13	20	0.14
(1,795)	1:442:A:THR:HA	1:444:A:LEU:HB3	2	0.14
(1,795)	1:442:A:THR:HA	1:444:A:LEU:HB3	20	0.14
(1,793)	1:422:A:LEU:HA	1:425:A:PHE:HB3	1	0.14
(1,791)	1:484:A:LYS:HG2	1:485:A:ASN:HB2	12	0.14
(1,791)	1:484:A:LYS:HG3	1:485:A:ASN:HB2	12	0.14
(1,787)	1:428:A:PHE:HB3	1:458:A:SER:HB3	2	0.14
(1,787)	1:428:A:PHE:HB3	1:458:A:SER:HB3	16	0.14
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	13	0.14
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	13	0.14
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	13	0.14
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD11	18	0.14
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD12	18	0.14
(1,768)	1:408:A:PHE:H	1:409:A:ILE:HD13	18	0.14
(1,763)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	5	0.14
(1,763)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	5	0.14
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG11	4	0.14
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG12	4	0.14
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG13	4	0.14
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG11	6	0.14
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG12	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG13	6	0.14
(1,753)	1:402:A:PRO:HA	1:404:A:GLY:H	5	0.14
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB1	12	0.14
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB2	12	0.14
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB3	12	0.14
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB1	8	0.14
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB2	8	0.14
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB3	8	0.14
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB1	12	0.14
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB2	12	0.14
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB3	12	0.14
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB1	15	0.14
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB2	15	0.14
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB3	15	0.14
(1,736)	1:437:A:PHE:HB3	1:439:A:ASP:HA	10	0.14
(1,735)	1:412:A:LEU:HB3	1:416:A:PHE:HB3	20	0.14
(1,734)	1:416:A:PHE:HB3	1:421:A:ILE:HB	12	0.14
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	5	0.14
(1,729)	1:432:A:ILE:HA	1:453:A:TYR:HA	6	0.14
(1,721)	1:469:A:PHE:HD1	1:471:A:ILE:HB	20	0.14
(1,721)	1:469:A:PHE:HD2	1:471:A:ILE:HB	20	0.14
(1,720)	1:471:A:ILE:HB	1:474:A:LYS:H	8	0.14
(1,709)	1:429:A:GLY:HA2	1:458:A:SER:HB3	2	0.14
(1,709)	1:429:A:GLY:HA2	1:458:A:SER:HB3	5	0.14
(1,709)	1:429:A:GLY:HA2	1:458:A:SER:HB3	8	0.14
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG2	15	0.14
(1,699)	1:438:A:ILE:HG21	1:440:A:LYS:HG3	15	0.14
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG2	15	0.14
(1,699)	1:438:A:ILE:HG22	1:440:A:LYS:HG3	15	0.14
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG2	15	0.14
(1,699)	1:438:A:ILE:HG23	1:440:A:LYS:HG3	15	0.14
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	11	0.14
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	11	0.14
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	11	0.14
(1,682)	1:471:A:ILE:HG21	1:472:A:GLY:H	13	0.14
(1,682)	1:471:A:ILE:HG22	1:472:A:GLY:H	13	0.14
(1,682)	1:471:A:ILE:HG23	1:472:A:GLY:H	13	0.14
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	1	0.14
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	17	0.14
(1,664)	1:419:A:GLN:HB2	1:420:A:ASP:HB3	19	0.14
(1,659)	1:489:A:PRO:HA	1:490:A:TYR:H	4	0.14
(1,659)	1:489:A:PRO:HA	1:490:A:TYR:H	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:463:A:ILE:HG21	1:464:A:GLN:H	1	0.14
(1,642)	1:463:A:ILE:HG22	1:464:A:GLN:H	1	0.14
(1,642)	1:463:A:ILE:HG23	1:464:A:GLN:H	1	0.14
(1,642)	1:463:A:ILE:HG21	1:464:A:GLN:H	9	0.14
(1,642)	1:463:A:ILE:HG22	1:464:A:GLN:H	9	0.14
(1,642)	1:463:A:ILE:HG23	1:464:A:GLN:H	9	0.14
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG21	10	0.14
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG22	10	0.14
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG23	10	0.14
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG21	12	0.14
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG22	12	0.14
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG23	12	0.14
(1,634)	1:488:A:LYS:HB2	1:489:A:PRO:HA	17	0.14
(1,634)	1:488:A:LYS:HB3	1:489:A:PRO:HA	17	0.14
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	16	0.14
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	16	0.14
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD1	15	0.14
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD2	15	0.14
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	2	0.14
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	2	0.14
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	2	0.14
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	7	0.14
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	7	0.14
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	7	0.14
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	10	0.14
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	10	0.14
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	10	0.14
(1,619)	1:461:A:ALA:HB1	1:462:A:ALA:HA	15	0.14
(1,619)	1:461:A:ALA:HB2	1:462:A:ALA:HA	15	0.14
(1,619)	1:461:A:ALA:HB3	1:462:A:ALA:HA	15	0.14
(1,611)	1:410:A:TYR:HB3	1:411:A:HIS:HD2	12	0.14
(1,609)	1:410:A:TYR:HB3	1:411:A:HIS:HA	15	0.14
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE1	1	0.14
(1,604)	1:409:A:ILE:HB	1:425:A:PHE:HE2	1	0.14
(1,594)	1:468:A:GLY:HA2	1:469:A:PHE:HB3	5	0.14
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB1	18	0.14
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB2	18	0.14
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB3	18	0.14
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	19	0.14
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	19	0.14
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	19	0.14
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	20	0.14
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	20	0.14
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	5	0.14
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	5	0.14
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	5	0.14
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	7	0.14
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	7	0.14
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	7	0.14
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	8	0.14
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	8	0.14
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	8	0.14
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	13	0.14
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	13	0.14
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	13	0.14
(1,555)	1:421:A:ILE:HG21	1:436:A:VAL:H	19	0.14
(1,555)	1:421:A:ILE:HG22	1:436:A:VAL:H	19	0.14
(1,555)	1:421:A:ILE:HG23	1:436:A:VAL:H	19	0.14
(1,543)	1:419:A:GLN:H	1:422:A:LEU:HB2	12	0.14
(1,540)	1:422:A:LEU:HB2	1:434:A:ALA:HA	7	0.14
(1,540)	1:422:A:LEU:HB2	1:434:A:ALA:HA	12	0.14
(1,537)	1:455:A:ASN:HB3	1:457:A:VAL:HB	16	0.14
(1,534)	1:455:A:ASN:H	1:455:A:ASN:HB3	2	0.14
(1,534)	1:455:A:ASN:H	1:455:A:ASN:HB3	4	0.14
(1,534)	1:455:A:ASN:H	1:455:A:ASN:HB3	7	0.14
(1,524)	1:406:A:ASN:H	1:456:A:PRO:HA	20	0.14
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG21	9	0.14
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG22	9	0.14
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG23	9	0.14
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE1	8	0.14
(1,516)	1:406:A:ASN:HB3	1:408:A:PHE:HE2	8	0.14
(1,498)	1:438:A:ILE:HG21	1:440:A:LYS:HE2	8	0.14
(1,498)	1:438:A:ILE:HG21	1:440:A:LYS:HE3	8	0.14
(1,498)	1:438:A:ILE:HG22	1:440:A:LYS:HE2	8	0.14
(1,498)	1:438:A:ILE:HG22	1:440:A:LYS:HE3	8	0.14
(1,498)	1:438:A:ILE:HG23	1:440:A:LYS:HE2	8	0.14
(1,498)	1:438:A:ILE:HG23	1:440:A:LYS:HE3	8	0.14
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE2	4	0.14
(1,495)	1:438:A:ILE:H	1:440:A:LYS:HE3	4	0.14
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	3	0.14
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	3	0.14
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	3	0.14
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	10	0.14
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	10	0.14
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	13	0.14
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	13	0.14
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	13	0.14
(1,478)	1:462:A:ALA:HB1	1:466:A:MET:H	1	0.14
(1,478)	1:462:A:ALA:HB2	1:466:A:MET:H	1	0.14
(1,478)	1:462:A:ALA:HB3	1:466:A:MET:H	1	0.14
(1,478)	1:462:A:ALA:HB1	1:466:A:MET:H	12	0.14
(1,478)	1:462:A:ALA:HB2	1:466:A:MET:H	12	0.14
(1,478)	1:462:A:ALA:HB3	1:466:A:MET:H	12	0.14
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE2	2	0.14
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE3	2	0.14
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE2	7	0.14
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE3	7	0.14
(1,455)	1:438:A:ILE:HA	1:439:A:ASP:HB3	2	0.14
(1,455)	1:438:A:ILE:HA	1:439:A:ASP:HB3	16	0.14
(1,454)	1:439:A:ASP:H	1:439:A:ASP:HB3	19	0.14
(1,445)	1:431:A:VAL:HG21	1:433:A:SER:HB3	3	0.14
(1,445)	1:431:A:VAL:HG22	1:433:A:SER:HB3	3	0.14
(1,445)	1:431:A:VAL:HG23	1:433:A:SER:HB3	3	0.14
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	2	0.14
(1,425)	1:433:A:SER:HB2	1:434:A:ALA:HA	6	0.14
(1,425)	1:433:A:SER:HB2	1:434:A:ALA:HA	16	0.14
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	7	0.14
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	7	0.14
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	8	0.14
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	8	0.14
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	11	0.14
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	11	0.14
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	5	0.14
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	11	0.14
(1,398)	1:463:A:ILE:HA	1:467:A:ASN:HD22	16	0.14
(1,390)	1:417:A:GLY:HA2	1:420:A:ASP:HB3	20	0.14
(1,382)	1:475:A:ARG:HD2	1:476:A:LEU:H	8	0.14
(1,368)	1:432:A:ILE:HB	1:452:A:SER:HB2	7	0.14
(1,367)	1:433:A:SER:H	1:452:A:SER:HB2	20	0.14
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	2	0.14
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	2	0.14
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	2	0.14
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	3	0.14
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	3	0.14
(1,347)	1:405:A:ALA:HB1	1:456:A:PRO:HA	13	0.14
(1,347)	1:405:A:ALA:HB2	1:456:A:PRO:HA	13	0.14
(1,347)	1:405:A:ALA:HB3	1:456:A:PRO:HA	13	0.14
(1,346)	1:405:A:ALA:HB1	1:459:A:ALA:H	17	0.14
(1,346)	1:405:A:ALA:HB2	1:459:A:ALA:H	17	0.14
(1,346)	1:405:A:ALA:HB3	1:459:A:ALA:H	17	0.14
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	16	0.14
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	16	0.14
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	16	0.14
(1,341)	1:444:A:LEU:HB2	1:445:A:SER:HB2	15	0.14
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	16	0.14
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	16	0.14
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	16	0.14
(1,324)	1:409:A:ILE:HG21	1:416:A:PHE:HE1	13	0.14
(1,324)	1:409:A:ILE:HG21	1:416:A:PHE:HE2	13	0.14
(1,324)	1:409:A:ILE:HG22	1:416:A:PHE:HE1	13	0.14
(1,324)	1:409:A:ILE:HG22	1:416:A:PHE:HE2	13	0.14
(1,324)	1:409:A:ILE:HG23	1:416:A:PHE:HE1	13	0.14
(1,324)	1:409:A:ILE:HG23	1:416:A:PHE:HE2	13	0.14
(1,319)	1:433:A:SER:HB2	1:450:A:PHE:HB2	13	0.14
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	4	0.14
(1,303)	1:401:A:GLY:HA3	1:402:A:PRO:HG3	14	0.14
(1,293)	1:436:A:VAL:HG11	1:449:A:GLY:HA2	10	0.14
(1,293)	1:436:A:VAL:HG12	1:449:A:GLY:HA2	10	0.14
(1,293)	1:436:A:VAL:HG13	1:449:A:GLY:HA2	10	0.14
(1,293)	1:436:A:VAL:HG11	1:449:A:GLY:HA2	12	0.14
(1,293)	1:436:A:VAL:HG12	1:449:A:GLY:HA2	12	0.14
(1,293)	1:436:A:VAL:HG13	1:449:A:GLY:HA2	12	0.14
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	5	0.14
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	5	0.14
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	5	0.14
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	11	0.14
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	11	0.14
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	11	0.14
(1,272)	1:418:A:ASP:H	1:434:A:ALA:HB1	3	0.14
(1,272)	1:418:A:ASP:H	1:434:A:ALA:HB2	3	0.14
(1,272)	1:418:A:ASP:H	1:434:A:ALA:HB3	3	0.14
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB1	8	0.14
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB2	8	0.14
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB3	8	0.14
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB1	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB2	13	0.14
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB3	13	0.14
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG11	4	0.14
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG12	4	0.14
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG13	4	0.14
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG11	4	0.14
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG12	4	0.14
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG13	4	0.14
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG11	4	0.14
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG12	4	0.14
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG13	4	0.14
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG11	19	0.14
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG12	19	0.14
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG13	19	0.14
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG11	19	0.14
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG12	19	0.14
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG13	19	0.14
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG11	19	0.14
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG12	19	0.14
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG13	19	0.14
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG11	11	0.14
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG12	11	0.14
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG13	11	0.14
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG11	19	0.14
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG12	19	0.14
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG13	19	0.14
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	12	0.14
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	12	0.14
(1,242)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	12	0.14
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	12	0.14
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	12	0.14
(1,242)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	12	0.14
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	12	0.14
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	12	0.14
(1,242)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	12	0.14
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	2	0.14
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	2	0.14
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	2	0.14
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	18	0.14
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	18	0.14
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	18	0.14
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG21	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG22	9	0.14
(1,237)	1:422:A:LEU:HA	1:451:A:VAL:HG23	9	0.14
(1,229)	1:451:A:VAL:HG21	1:452:A:SER:H	6	0.14
(1,229)	1:451:A:VAL:HG22	1:452:A:SER:H	6	0.14
(1,229)	1:451:A:VAL:HG23	1:452:A:SER:H	6	0.14
(1,229)	1:451:A:VAL:HG21	1:452:A:SER:H	9	0.14
(1,229)	1:451:A:VAL:HG22	1:452:A:SER:H	9	0.14
(1,229)	1:451:A:VAL:HG23	1:452:A:SER:H	9	0.14
(1,227)	1:449:A:GLY:HA2	1:451:A:VAL:HG21	4	0.14
(1,227)	1:449:A:GLY:HA2	1:451:A:VAL:HG22	4	0.14
(1,227)	1:449:A:GLY:HA2	1:451:A:VAL:HG23	4	0.14
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE1	9	0.14
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE2	9	0.14
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG21	17	0.14
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG22	17	0.14
(1,211)	1:420:A:ASP:H	1:436:A:VAL:HG23	17	0.14
(1,210)	1:457:A:VAL:HG11	1:461:A:ALA:HB1	4	0.14
(1,210)	1:457:A:VAL:HG11	1:461:A:ALA:HB2	4	0.14
(1,210)	1:457:A:VAL:HG11	1:461:A:ALA:HB3	4	0.14
(1,210)	1:457:A:VAL:HG12	1:461:A:ALA:HB1	4	0.14
(1,210)	1:457:A:VAL:HG12	1:461:A:ALA:HB2	4	0.14
(1,210)	1:457:A:VAL:HG12	1:461:A:ALA:HB3	4	0.14
(1,210)	1:457:A:VAL:HG13	1:461:A:ALA:HB1	4	0.14
(1,210)	1:457:A:VAL:HG13	1:461:A:ALA:HB2	4	0.14
(1,210)	1:457:A:VAL:HG13	1:461:A:ALA:HB3	4	0.14
(1,210)	1:457:A:VAL:HG21	1:461:A:ALA:HB1	4	0.14
(1,210)	1:457:A:VAL:HG21	1:461:A:ALA:HB2	4	0.14
(1,210)	1:457:A:VAL:HG21	1:461:A:ALA:HB3	4	0.14
(1,210)	1:457:A:VAL:HG22	1:461:A:ALA:HB1	4	0.14
(1,210)	1:457:A:VAL:HG22	1:461:A:ALA:HB2	4	0.14
(1,210)	1:457:A:VAL:HG22	1:461:A:ALA:HB3	4	0.14
(1,210)	1:457:A:VAL:HG23	1:461:A:ALA:HB1	4	0.14
(1,210)	1:457:A:VAL:HG23	1:461:A:ALA:HB2	4	0.14
(1,210)	1:457:A:VAL:HG23	1:461:A:ALA:HB3	4	0.14
(1,204)	1:457:A:VAL:HG11	1:459:A:ALA:H	9	0.14
(1,204)	1:457:A:VAL:HG12	1:459:A:ALA:H	9	0.14
(1,204)	1:457:A:VAL:HG13	1:459:A:ALA:H	9	0.14
(1,204)	1:457:A:VAL:HG21	1:459:A:ALA:H	9	0.14
(1,204)	1:457:A:VAL:HG22	1:459:A:ALA:H	9	0.14
(1,204)	1:457:A:VAL:HG23	1:459:A:ALA:H	9	0.14
(1,204)	1:457:A:VAL:HG11	1:459:A:ALA:H	15	0.14
(1,204)	1:457:A:VAL:HG12	1:459:A:ALA:H	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,204)	1:457:A:VAL:HG13	1:459:A:ALA:H	15	0.14
(1,204)	1:457:A:VAL:HG21	1:459:A:ALA:H	15	0.14
(1,204)	1:457:A:VAL:HG22	1:459:A:ALA:H	15	0.14
(1,204)	1:457:A:VAL:HG23	1:459:A:ALA:H	15	0.14
(1,200)	1:404:A:GLY:HA2	1:456:A:PRO:HB3	17	0.14
(1,194)	1:416:A:PHE:HB2	1:436:A:VAL:HG21	11	0.14
(1,194)	1:416:A:PHE:HB2	1:436:A:VAL:HG22	11	0.14
(1,194)	1:416:A:PHE:HB2	1:436:A:VAL:HG23	11	0.14
(1,194)	1:416:A:PHE:HB2	1:436:A:VAL:HG21	12	0.14
(1,194)	1:416:A:PHE:HB2	1:436:A:VAL:HG22	12	0.14
(1,194)	1:416:A:PHE:HB2	1:436:A:VAL:HG23	12	0.14
(1,185)	1:421:A:ILE:HG12	1:436:A:VAL:HG21	14	0.14
(1,185)	1:421:A:ILE:HG12	1:436:A:VAL:HG22	14	0.14
(1,185)	1:421:A:ILE:HG12	1:436:A:VAL:HG23	14	0.14
(1,184)	1:404:A:GLY:HA3	1:456:A:PRO:HB2	19	0.14
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	18	0.14
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	18	0.14
(1,181)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	18	0.14
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	5	0.14
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	5	0.14
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	5	0.14
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	15	0.14
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	15	0.14
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	15	0.14
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	15	0.14
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	15	0.14
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	15	0.14
(1,174)	1:425:A:PHE:HD1	1:431:A:VAL:HG11	8	0.14
(1,174)	1:425:A:PHE:HD1	1:431:A:VAL:HG12	8	0.14
(1,174)	1:425:A:PHE:HD1	1:431:A:VAL:HG13	8	0.14
(1,174)	1:425:A:PHE:HD2	1:431:A:VAL:HG11	8	0.14
(1,174)	1:425:A:PHE:HD2	1:431:A:VAL:HG12	8	0.14
(1,174)	1:425:A:PHE:HD2	1:431:A:VAL:HG13	8	0.14
(1,172)	1:431:A:VAL:HG11	1:432:A:ILE:H	8	0.14
(1,172)	1:431:A:VAL:HG12	1:432:A:ILE:H	8	0.14
(1,172)	1:431:A:VAL:HG13	1:432:A:ILE:H	8	0.14
(1,167)	1:468:A:GLY:HA2	1:476:A:LEU:HB2	4	0.14
(1,167)	1:468:A:GLY:HA2	1:476:A:LEU:HB3	4	0.14
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD11	18	0.14
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD12	18	0.14
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD13	18	0.14
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD21	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD22	18	0.14
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD23	18	0.14
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	18	0.14
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	18	0.14
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	18	0.14
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	18	0.14
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	18	0.14
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	18	0.14
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD11	9	0.14
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD12	9	0.14
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD13	9	0.14
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD21	9	0.14
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD22	9	0.14
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD23	9	0.14
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD11	15	0.14
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD12	15	0.14
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD13	15	0.14
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD21	15	0.14
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD22	15	0.14
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD23	15	0.14
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD11	8	0.14
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD12	8	0.14
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD13	8	0.14
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD21	8	0.14
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD22	8	0.14
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD23	8	0.14
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD11	7	0.14
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD12	7	0.14
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD13	7	0.14
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD21	7	0.14
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD22	7	0.14
(1,141)	1:409:A:ILE:HG13	1:476:A:LEU:HD23	7	0.14
(1,117)	1:442:A:THR:HG21	1:444:A:LEU:HG	8	0.14
(1,117)	1:442:A:THR:HG22	1:444:A:LEU:HG	8	0.14
(1,117)	1:442:A:THR:HG23	1:444:A:LEU:HG	8	0.14
(1,117)	1:442:A:THR:HG21	1:444:A:LEU:HG	11	0.14
(1,117)	1:442:A:THR:HG22	1:444:A:LEU:HG	11	0.14
(1,117)	1:442:A:THR:HG23	1:444:A:LEU:HG	11	0.14
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	1	0.14
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	1	0.14
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	1	0.14
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	4	0.14
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	4	0.14
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD11	18	0.14
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD12	18	0.14
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD13	18	0.14
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD21	18	0.14
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD22	18	0.14
(1,104)	1:409:A:ILE:HA	1:412:A:LEU:HD23	18	0.14
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	1	0.14
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	1	0.14
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	1	0.14
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	1	0.14
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	1	0.14
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	1	0.14
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD11	10	0.14
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD12	10	0.14
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD13	10	0.14
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD21	10	0.14
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD22	10	0.14
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD23	10	0.14
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD11	8	0.14
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD12	8	0.14
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD13	8	0.14
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD21	8	0.14
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD22	8	0.14
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD23	8	0.14
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG2	1	0.14
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG3	1	0.14
(1,73)	1:477:A:LYS:HG2	1:479:A:GLN:H	14	0.14
(1,73)	1:477:A:LYS:HG3	1:479:A:GLN:H	14	0.14
(1,61)	1:480:A:LEU:HB2	1:480:A:LEU:HG	13	0.14
(1,61)	1:480:A:LEU:HB3	1:480:A:LEU:HG	13	0.14
(1,58)	1:474:A:LYS:H	1:474:A:LYS:HG3	2	0.14
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD11	8	0.14
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD12	8	0.14
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD13	8	0.14
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD21	8	0.14
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD22	8	0.14
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD23	8	0.14
(1,51)	1:407:A:LEU:HD11	1:463:A:ILE:H	9	0.14
(1,51)	1:407:A:LEU:HD12	1:463:A:ILE:H	9	0.14
(1,51)	1:407:A:LEU:HD13	1:463:A:ILE:H	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:407:A:LEU:HD21	1:463:A:ILE:H	9	0.14
(1,51)	1:407:A:LEU:HD22	1:463:A:ILE:H	9	0.14
(1,51)	1:407:A:LEU:HD23	1:463:A:ILE:H	9	0.14
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	10	0.14
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	11	0.14
(1,38)	1:409:A:ILE:HG13	1:476:A:LEU:HG	1	0.14
(1,38)	1:409:A:ILE:HG13	1:476:A:LEU:HG	6	0.14
(1,36)	1:425:A:PHE:HE1	1:476:A:LEU:HG	13	0.14
(1,36)	1:425:A:PHE:HE2	1:476:A:LEU:HG	13	0.14
(1,36)	1:425:A:PHE:HE1	1:476:A:LEU:HG	19	0.14
(1,36)	1:425:A:PHE:HE2	1:476:A:LEU:HG	19	0.14
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	19	0.14
(1,31)	1:402:A:PRO:HD3	1:455:A:ASN:H	6	0.14
(1,27)	1:402:A:PRO:HD3	1:455:A:ASN:HA	12	0.14
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	8	0.14
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	8	0.14
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	8	0.14
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB1	8	0.14
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB2	8	0.14
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB3	8	0.14
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB1	20	0.14
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB2	20	0.14
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB3	20	0.14
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	9	0.14
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	9	0.14
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	9	0.14
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG2	11	0.13
(1,2438)	1:410:A:TYR:HE1	1:477:A:LYS:HG3	11	0.13
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG2	11	0.13
(1,2438)	1:410:A:TYR:HE2	1:477:A:LYS:HG3	11	0.13
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	6	0.13
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	6	0.13
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	6	0.13
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	6	0.13
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	6	0.13
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	6	0.13
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	20	0.13
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	20	0.13
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	20	0.13
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	20	0.13
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	20	0.13
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2424)	1:411:A:HIS:HD2	1:477:A:LYS:HB2	20	0.13
(1,2424)	1:411:A:HIS:HD2	1:477:A:LYS:HB3	20	0.13
(1,2415)	1:416:A:PHE:HD1	1:421:A:ILE:HG12	18	0.13
(1,2415)	1:416:A:PHE:HD2	1:421:A:ILE:HG12	18	0.13
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	13	0.13
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	13	0.13
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	13	0.13
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	13	0.13
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	13	0.13
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	13	0.13
(1,2407)	1:428:A:PHE:HA	1:428:A:PHE:HD1	1	0.13
(1,2407)	1:428:A:PHE:HA	1:428:A:PHE:HD2	1	0.13
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD1	1	0.13
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD2	1	0.13
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD1	1	0.13
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD2	1	0.13
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD1	5	0.13
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD2	5	0.13
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD1	5	0.13
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD2	5	0.13
(1,2397)	1:407:A:LEU:HA	1:408:A:PHE:HD1	1	0.13
(1,2397)	1:407:A:LEU:HA	1:408:A:PHE:HD2	1	0.13
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	4	0.13
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	4	0.13
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	13	0.13
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	13	0.13
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	1	0.13
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	1	0.13
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	1	0.13
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	1	0.13
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	1	0.13
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	1	0.13
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	12	0.13
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	12	0.13
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	12	0.13
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	12	0.13
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	12	0.13
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	12	0.13
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	13	0.13
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	13	0.13
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	13	0.13
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	13	0.13
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	13	0.13
(1,2390)	1:416:A:PHE:HE1	1:420:A:ASP:HB2	17	0.13
(1,2390)	1:416:A:PHE:HE2	1:420:A:ASP:HB2	17	0.13
(1,2390)	1:416:A:PHE:HE1	1:420:A:ASP:HB2	19	0.13
(1,2390)	1:416:A:PHE:HE2	1:420:A:ASP:HB2	19	0.13
(1,2386)	1:450:A:PHE:HD1	1:451:A:VAL:H	8	0.13
(1,2386)	1:450:A:PHE:HD2	1:451:A:VAL:H	8	0.13
(1,2382)	1:466:A:MET:HG2	1:469:A:PHE:HD1	4	0.13
(1,2382)	1:466:A:MET:HG2	1:469:A:PHE:HD2	4	0.13
(1,2382)	1:466:A:MET:HG3	1:469:A:PHE:HD1	4	0.13
(1,2382)	1:466:A:MET:HG3	1:469:A:PHE:HD2	4	0.13
(1,2382)	1:466:A:MET:HG2	1:469:A:PHE:HD1	20	0.13
(1,2382)	1:466:A:MET:HG2	1:469:A:PHE:HD2	20	0.13
(1,2382)	1:466:A:MET:HG3	1:469:A:PHE:HD1	20	0.13
(1,2382)	1:466:A:MET:HG3	1:469:A:PHE:HD2	20	0.13
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD1	15	0.13
(1,2377)	1:449:A:GLY:HA3	1:450:A:PHE:HD2	15	0.13
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	1	0.13
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	1	0.13
(1,2366)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	2	0.13
(1,2366)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	2	0.13
(1,2366)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	2	0.13
(1,2366)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	2	0.13
(1,2366)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	2	0.13
(1,2366)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	2	0.13
(1,2365)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	18	0.13
(1,2365)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	18	0.13
(1,2365)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	18	0.13
(1,2365)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	18	0.13
(1,2365)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	18	0.13
(1,2365)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	18	0.13
(1,2361)	1:453:A:TYR:HD1	1:454:A:ASP:H	13	0.13
(1,2361)	1:453:A:TYR:HD2	1:454:A:ASP:H	13	0.13
(1,2358)	1:453:A:TYR:HD1	1:458:A:SER:HB3	15	0.13
(1,2358)	1:453:A:TYR:HD2	1:458:A:SER:HB3	15	0.13
(1,2358)	1:453:A:TYR:HD1	1:458:A:SER:HB3	16	0.13
(1,2358)	1:453:A:TYR:HD2	1:458:A:SER:HB3	16	0.13
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD1	1	0.13
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD2	1	0.13
(1,2351)	1:424:A:MET:HB2	1:425:A:PHE:HD1	16	0.13
(1,2351)	1:424:A:MET:HB2	1:425:A:PHE:HD2	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2351)	1:424:A:MET:HB3	1:425:A:PHE:HD1	16	0.13
(1,2351)	1:424:A:MET:HB3	1:425:A:PHE:HD2	16	0.13
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	17	0.13
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	17	0.13
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	17	0.13
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	17	0.13
(1,2319)	1:448:A:PHE:HB2	1:449:A:GLY:H	9	0.13
(1,2319)	1:448:A:PHE:HB3	1:449:A:GLY:H	9	0.13
(1,2306)	1:398:A:GLN:HE21	1:408:A:PHE:HE1	16	0.13
(1,2306)	1:398:A:GLN:HE21	1:408:A:PHE:HE2	16	0.13
(1,2306)	1:398:A:GLN:HE21	1:408:A:PHE:HE1	18	0.13
(1,2306)	1:398:A:GLN:HE21	1:408:A:PHE:HE2	18	0.13
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	9	0.13
(1,2287)	1:470:A:GLN:HB2	1:470:A:GLN:HE22	4	0.13
(1,2287)	1:470:A:GLN:HB2	1:470:A:GLN:HE22	13	0.13
(1,2281)	1:463:A:ILE:H	1:464:A:GLN:HE21	1	0.13
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	1	0.13
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	1	0.13
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	13	0.13
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	13	0.13
(1,2275)	1:419:A:GLN:H	1:419:A:GLN:HE22	8	0.13
(1,2275)	1:419:A:GLN:H	1:419:A:GLN:HE22	9	0.13
(1,2274)	1:456:A:PRO:HB3	1:460:A:GLN:HE22	1	0.13
(1,2274)	1:456:A:PRO:HB3	1:460:A:GLN:HE22	8	0.13
(1,2274)	1:456:A:PRO:HB3	1:460:A:GLN:HE22	9	0.13
(1,2272)	1:438:A:ILE:HG21	1:443:A:ASN:HD21	11	0.13
(1,2272)	1:438:A:ILE:HG22	1:443:A:ASN:HD21	11	0.13
(1,2272)	1:438:A:ILE:HG23	1:443:A:ASN:HD21	11	0.13
(1,2270)	1:420:A:ASP:H	1:423:A:GLN:HE21	4	0.13
(1,2244)	1:444:A:LEU:HD11	1:479:A:GLN:HE22	3	0.13
(1,2244)	1:444:A:LEU:HD12	1:479:A:GLN:HE22	3	0.13
(1,2244)	1:444:A:LEU:HD13	1:479:A:GLN:HE22	3	0.13
(1,2244)	1:444:A:LEU:HD21	1:479:A:GLN:HE22	3	0.13
(1,2244)	1:444:A:LEU:HD22	1:479:A:GLN:HE22	3	0.13
(1,2244)	1:444:A:LEU:HD23	1:479:A:GLN:HE22	3	0.13
(1,2240)	1:445:A:SER:HB3	1:479:A:GLN:HE22	10	0.13
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB1	12	0.13
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB2	12	0.13
(1,2239)	1:404:A:GLY:H	1:405:A:ALA:HB3	12	0.13
(1,2234)	1:404:A:GLY:H	1:406:A:ASN:HD22	14	0.13
(1,2233)	1:484:A:LYS:HG2	1:485:A:ASN:HD22	1	0.13
(1,2233)	1:484:A:LYS:HG3	1:485:A:ASN:HD22	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2225)	1:431:A:VAL:HA	1:454:A:ASP:H	3	0.13
(1,2216)	1:430:A:ASN:HD21	1:454:A:ASP:HB3	2	0.13
(1,2209)	1:430:A:ASN:HD21	1:454:A:ASP:HB2	4	0.13
(1,2206)	1:430:A:ASN:H	1:430:A:ASN:HD21	1	0.13
(1,2206)	1:430:A:ASN:H	1:430:A:ASN:HD21	3	0.13
(1,2206)	1:430:A:ASN:H	1:430:A:ASN:HD21	17	0.13
(1,2206)	1:430:A:ASN:H	1:430:A:ASN:HD21	20	0.13
(1,2200)	1:431:A:VAL:HA	1:433:A:SER:H	2	0.13
(1,2200)	1:431:A:VAL:HA	1:433:A:SER:H	14	0.13
(1,2191)	1:453:A:TYR:HB3	1:455:A:ASN:H	3	0.13
(1,2156)	1:414:A:GLN:HG3	1:415:A:GLU:H	7	0.13
(1,2152)	1:406:A:ASN:H	1:406:A:ASN:HD21	18	0.13
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	4	0.13
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	4	0.13
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	10	0.13
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	10	0.13
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB1	2	0.13
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB2	2	0.13
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB3	2	0.13
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB1	7	0.13
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB2	7	0.13
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB3	7	0.13
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB1	9	0.13
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB2	9	0.13
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB3	9	0.13
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	15	0.13
(1,2109)	1:419:A:GLN:H	1:420:A:ASP:H	18	0.13
(1,2105)	1:420:A:ASP:HB3	1:421:A:ILE:H	4	0.13
(1,2102)	1:420:A:ASP:H	1:421:A:ILE:H	20	0.13
(1,2077)	1:439:A:ASP:HB2	1:441:A:GLN:H	19	0.13
(1,2061)	1:429:A:GLY:HA2	1:430:A:ASN:H	8	0.13
(1,2057)	1:430:A:ASN:H	1:454:A:ASP:H	13	0.13
(1,2044)	1:444:A:LEU:H	1:444:A:LEU:HB3	2	0.13
(1,2042)	1:443:A:ASN:HD22	1:444:A:LEU:H	12	0.13
(1,2042)	1:443:A:ASN:HD22	1:444:A:LEU:H	19	0.13
(1,2040)	1:443:A:ASN:H	1:444:A:LEU:H	8	0.13
(1,2031)	1:482:A:ARG:HB3	1:483:A:SER:H	12	0.13
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	17	0.13
(1,2025)	1:468:A:GLY:H	1:478:A:VAL:H	15	0.13
(1,2017)	1:461:A:ALA:HA	1:463:A:ILE:H	2	0.13
(1,2017)	1:461:A:ALA:HA	1:463:A:ILE:H	10	0.13
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	10	0.13
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	17	0.13
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	19	0.13
(1,1995)	1:402:A:PRO:HB2	1:403:A:GLU:H	10	0.13
(1,1995)	1:402:A:PRO:HB3	1:403:A:GLU:H	10	0.13
(1,1979)	1:474:A:LYS:HG2	1:475:A:ARG:H	6	0.13
(1,1975)	1:470:A:GLN:HG2	1:475:A:ARG:H	4	0.13
(1,1975)	1:470:A:GLN:HG3	1:475:A:ARG:H	4	0.13
(1,1975)	1:470:A:GLN:HG2	1:475:A:ARG:H	15	0.13
(1,1975)	1:470:A:GLN:HG3	1:475:A:ARG:H	15	0.13
(1,1974)	1:411:A:HIS:HB3	1:475:A:ARG:H	9	0.13
(1,1970)	1:475:A:ARG:H	1:476:A:LEU:H	10	0.13
(1,1970)	1:475:A:ARG:H	1:476:A:LEU:H	19	0.13
(1,1966)	1:403:A:GLU:HA	1:405:A:ALA:H	11	0.13
(1,1961)	1:450:A:PHE:H	1:450:A:PHE:HB3	4	0.13
(1,1961)	1:450:A:PHE:H	1:450:A:PHE:HB3	13	0.13
(1,1961)	1:450:A:PHE:H	1:450:A:PHE:HB3	15	0.13
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE1	6	0.13
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE2	6	0.13
(1,1944)	1:456:A:PRO:HD2	1:457:A:VAL:H	10	0.13
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	16	0.13
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	20	0.13
(1,1941)	1:457:A:VAL:H	1:459:A:ALA:H	6	0.13
(1,1941)	1:457:A:VAL:H	1:459:A:ALA:H	19	0.13
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	8	0.13
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	8	0.13
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB2	3	0.13
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB3	3	0.13
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB2	9	0.13
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB3	9	0.13
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB2	14	0.13
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB3	14	0.13
(1,1930)	1:435:A:LYS:H	1:450:A:PHE:HB3	2	0.13
(1,1928)	1:435:A:LYS:H	1:451:A:VAL:HA	12	0.13
(1,1925)	1:452:A:SER:HB2	1:453:A:TYR:H	10	0.13
(1,1914)	1:399:A:LYS:HB2	1:400:A:GLU:H	12	0.13
(1,1914)	1:399:A:LYS:HB3	1:400:A:GLU:H	12	0.13
(1,1912)	1:400:A:GLU:H	1:400:A:GLU:HG3	11	0.13
(1,1911)	1:400:A:GLU:H	1:433:A:SER:HB3	20	0.13
(1,1899)	1:417:A:GLY:HA2	1:418:A:ASP:H	9	0.13
(1,1899)	1:417:A:GLY:HA2	1:418:A:ASP:H	11	0.13
(1,1896)	1:418:A:ASP:H	1:419:A:GLN:H	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	9	0.13
(1,1879)	1:414:A:GLN:HB2	1:416:A:PHE:H	9	0.13
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	20	0.13
(1,1854)	1:422:A:LEU:H	1:422:A:LEU:HB2	7	0.13
(1,1854)	1:422:A:LEU:H	1:422:A:LEU:HB2	17	0.13
(1,1854)	1:422:A:LEU:H	1:422:A:LEU:HB2	19	0.13
(1,1849)	1:399:A:LYS:H	1:433:A:SER:HA	11	0.13
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	13	0.13
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	19	0.13
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD11	18	0.13
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD12	18	0.13
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD13	18	0.13
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD21	18	0.13
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD22	18	0.13
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD23	18	0.13
(1,1839)	1:470:A:GLN:HA	1:476:A:LEU:H	5	0.13
(1,1839)	1:470:A:GLN:HA	1:476:A:LEU:H	20	0.13
(1,1828)	1:409:A:ILE:HD11	1:410:A:TYR:H	9	0.13
(1,1828)	1:409:A:ILE:HD12	1:410:A:TYR:H	9	0.13
(1,1828)	1:409:A:ILE:HD13	1:410:A:TYR:H	9	0.13
(1,1826)	1:410:A:TYR:H	1:476:A:LEU:HA	8	0.13
(1,1826)	1:410:A:TYR:H	1:476:A:LEU:HA	11	0.13
(1,1826)	1:410:A:TYR:H	1:476:A:LEU:HA	12	0.13
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB2	14	0.13
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB3	14	0.13
(1,1816)	1:469:A:PHE:H	1:469:A:PHE:HB3	17	0.13
(1,1813)	1:469:A:PHE:H	1:469:A:PHE:HD1	6	0.13
(1,1813)	1:469:A:PHE:H	1:469:A:PHE:HD2	6	0.13
(1,1813)	1:469:A:PHE:H	1:469:A:PHE:HD1	8	0.13
(1,1813)	1:469:A:PHE:H	1:469:A:PHE:HD2	8	0.13
(1,1813)	1:469:A:PHE:H	1:469:A:PHE:HD1	12	0.13
(1,1813)	1:469:A:PHE:H	1:469:A:PHE:HD2	12	0.13
(1,1813)	1:469:A:PHE:H	1:469:A:PHE:HD1	18	0.13
(1,1813)	1:469:A:PHE:H	1:469:A:PHE:HD2	18	0.13
(1,1810)	1:466:A:MET:HG2	1:469:A:PHE:H	14	0.13
(1,1810)	1:466:A:MET:HG3	1:469:A:PHE:H	14	0.13
(1,1810)	1:466:A:MET:HG2	1:469:A:PHE:H	17	0.13
(1,1810)	1:466:A:MET:HG3	1:469:A:PHE:H	17	0.13
(1,1805)	1:490:A:TYR:H	1:490:A:TYR:HB2	5	0.13
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	19	0.13
(1,1797)	1:410:A:TYR:H	1:477:A:LYS:H	2	0.13
(1,1797)	1:410:A:TYR:H	1:477:A:LYS:H	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:407:A:LEU:HD11	1:479:A:GLN:H	1	0.13
(1,1794)	1:407:A:LEU:HD12	1:479:A:GLN:H	1	0.13
(1,1794)	1:407:A:LEU:HD13	1:479:A:GLN:H	1	0.13
(1,1794)	1:407:A:LEU:HD21	1:479:A:GLN:H	1	0.13
(1,1794)	1:407:A:LEU:HD22	1:479:A:GLN:H	1	0.13
(1,1794)	1:407:A:LEU:HD23	1:479:A:GLN:H	1	0.13
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	5	0.13
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	15	0.13
(1,1769)	1:446:A:LYS:H	1:447:A:CYS:H	20	0.13
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	3	0.13
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	11	0.13
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	17	0.13
(1,1740)	1:440:A:LYS:H	1:441:A:GLN:H	14	0.13
(1,1706)	1:438:A:ILE:HG12	1:439:A:ASP:H	13	0.13
(1,1706)	1:438:A:ILE:HG13	1:439:A:ASP:H	13	0.13
(1,1703)	1:402:A:PRO:HG2	1:405:A:ALA:HA	3	0.13
(1,1703)	1:402:A:PRO:HG2	1:405:A:ALA:HA	13	0.13
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB2	3	0.13
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB3	3	0.13
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB2	5	0.13
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB3	5	0.13
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB2	11	0.13
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB3	11	0.13
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB2	14	0.13
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB3	14	0.13
(1,1689)	1:432:A:ILE:HG12	1:452:A:SER:HB3	7	0.13
(1,1689)	1:432:A:ILE:HG13	1:452:A:SER:HB3	7	0.13
(1,1686)	1:422:A:LEU:HG	1:423:A:GLN:H	11	0.13
(1,1682)	1:482:A:ARG:HG2	1:483:A:SER:HB2	14	0.13
(1,1682)	1:482:A:ARG:HG2	1:483:A:SER:HB3	14	0.13
(1,1682)	1:482:A:ARG:HG3	1:483:A:SER:HB2	14	0.13
(1,1682)	1:482:A:ARG:HG3	1:483:A:SER:HB3	14	0.13
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD11	2	0.13
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD12	2	0.13
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD13	2	0.13
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD11	4	0.13
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD12	4	0.13
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD13	4	0.13
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	1	0.13
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	1	0.13
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG12	2	0.13
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG13	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG12	4	0.13
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG13	4	0.13
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	2	0.13
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	2	0.13
(1,1657)	1:419:A:GLN:HB2	1:422:A:LEU:HB2	13	0.13
(1,1655)	1:460:A:GLN:HB2	1:463:A:ILE:HD11	13	0.13
(1,1655)	1:460:A:GLN:HB2	1:463:A:ILE:HD12	13	0.13
(1,1655)	1:460:A:GLN:HB2	1:463:A:ILE:HD13	13	0.13
(1,1655)	1:460:A:GLN:HB3	1:463:A:ILE:HD11	13	0.13
(1,1655)	1:460:A:GLN:HB3	1:463:A:ILE:HD12	13	0.13
(1,1655)	1:460:A:GLN:HB3	1:463:A:ILE:HD13	13	0.13
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	2	0.13
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	5	0.13
(1,1643)	1:405:A:ALA:HA	1:459:A:ALA:H	7	0.13
(1,1633)	1:405:A:ALA:HA	1:406:A:ASN:HD22	6	0.13
(1,1630)	1:405:A:ALA:HA	1:452:A:SER:HA	8	0.13
(1,1630)	1:405:A:ALA:HA	1:452:A:SER:HA	14	0.13
(1,1629)	1:405:A:ALA:HA	1:455:A:ASN:HA	7	0.13
(1,1617)	1:454:A:ASP:HB3	1:455:A:ASN:HA	10	0.13
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	7	0.13
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	7	0.13
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	9	0.13
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	9	0.13
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	2	0.13
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	2	0.13
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	5	0.13
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	5	0.13
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB2	18	0.13
(1,1612)	1:413:A:PRO:HG3	1:476:A:LEU:HB3	18	0.13
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB2	7	0.13
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB3	7	0.13
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB2	7	0.13
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB3	7	0.13
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB2	11	0.13
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB3	11	0.13
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB2	11	0.13
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB3	11	0.13
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB2	19	0.13
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB3	19	0.13
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB2	19	0.13
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB3	19	0.13
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG11	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG12	16	0.13
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG13	16	0.13
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	10	0.13
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	10	0.13
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	14	0.13
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	14	0.13
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	18	0.13
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	18	0.13
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD1	9	0.13
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD2	9	0.13
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD1	9	0.13
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD2	9	0.13
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD1	18	0.13
(1,1588)	1:427:A:PRO:HD2	1:428:A:PHE:HD2	18	0.13
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD1	18	0.13
(1,1588)	1:427:A:PRO:HD3	1:428:A:PHE:HD2	18	0.13
(1,1582)	1:456:A:PRO:HD3	1:458:A:SER:H	7	0.13
(1,1572)	1:409:A:ILE:HG12	1:449:A:GLY:H	7	0.13
(1,1572)	1:409:A:ILE:HG12	1:449:A:GLY:H	15	0.13
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD11	20	0.13
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD12	20	0.13
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD13	20	0.13
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD21	20	0.13
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD22	20	0.13
(1,1571)	1:409:A:ILE:HG12	1:412:A:LEU:HD23	20	0.13
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	9	0.13
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	9	0.13
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	12	0.13
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	12	0.13
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	1	0.13
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	1	0.13
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD1	8	0.13
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD2	8	0.13
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD2	5	0.13
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD3	5	0.13
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD2	5	0.13
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD3	5	0.13
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD2	5	0.13
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD3	5	0.13
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD2	20	0.13
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD3	20	0.13
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD2	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD3	20	0.13
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD2	20	0.13
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD3	20	0.13
(1,1532)	1:440:A:LYS:HD2	1:441:A:GLN:HB2	12	0.13
(1,1532)	1:440:A:LYS:HD3	1:441:A:GLN:HB2	12	0.13
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD2	11	0.13
(1,1523)	1:477:A:LYS:H	1:477:A:LYS:HD3	11	0.13
(1,1519)	1:439:A:ASP:HA	1:440:A:LYS:HD2	15	0.13
(1,1519)	1:439:A:ASP:HA	1:440:A:LYS:HD3	15	0.13
(1,1508)	1:441:A:GLN:H	1:441:A:GLN:HB2	15	0.13
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	1	0.13
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	1	0.13
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	1	0.13
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	4	0.13
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	4	0.13
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	4	0.13
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	7	0.13
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	7	0.13
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	7	0.13
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	15	0.13
(1,1504)	1:402:A:PRO:HA	1:403:A:GLU:HB2	8	0.13
(1,1500)	1:411:A:HIS:HB3	1:412:A:LEU:HA	2	0.13
(1,1500)	1:411:A:HIS:HB3	1:412:A:LEU:HA	6	0.13
(1,1498)	1:406:A:ASN:HA	1:452:A:SER:HB2	19	0.13
(1,1493)	1:406:A:ASN:HA	1:453:A:TYR:H	16	0.13
(1,1484)	1:406:A:ASN:HA	1:451:A:VAL:H	2	0.13
(1,1484)	1:406:A:ASN:HA	1:451:A:VAL:H	20	0.13
(1,1483)	1:481:A:LYS:H	1:481:A:LYS:HD2	11	0.13
(1,1479)	1:463:A:ILE:HG12	1:478:A:VAL:H	13	0.13
(1,1479)	1:463:A:ILE:HG13	1:478:A:VAL:H	13	0.13
(1,1478)	1:402:A:PRO:HG3	1:454:A:ASP:HA	19	0.13
(1,1469)	1:402:A:PRO:HD3	1:454:A:ASP:HA	4	0.13
(1,1467)	1:401:A:GLY:HA3	1:454:A:ASP:HA	20	0.13
(1,1462)	1:432:A:ILE:H	1:454:A:ASP:HA	12	0.13
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	12	0.13
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	12	0.13
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	12	0.13
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	12	0.13
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	14	0.13
(1,1447)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	14	0.13
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	14	0.13
(1,1447)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	6	0.13
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	19	0.13
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE1	5	0.13
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE2	5	0.13
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD11	11	0.13
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD12	11	0.13
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD13	11	0.13
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD21	11	0.13
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD22	11	0.13
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD23	11	0.13
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB2	1	0.13
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB3	1	0.13
(1,1417)	1:471:A:ILE:HB	1:475:A:ARG:HA	12	0.13
(1,1391)	1:405:A:ALA:HA	1:459:A:ALA:HA	6	0.13
(1,1366)	1:409:A:ILE:HD11	1:466:A:MET:HB2	7	0.13
(1,1366)	1:409:A:ILE:HD11	1:466:A:MET:HB3	7	0.13
(1,1366)	1:409:A:ILE:HD12	1:466:A:MET:HB2	7	0.13
(1,1366)	1:409:A:ILE:HD12	1:466:A:MET:HB3	7	0.13
(1,1366)	1:409:A:ILE:HD13	1:466:A:MET:HB2	7	0.13
(1,1366)	1:409:A:ILE:HD13	1:466:A:MET:HB3	7	0.13
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG2	8	0.13
(1,1364)	1:466:A:MET:H	1:466:A:MET:HG3	8	0.13
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	12	0.13
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	12	0.13
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	12	0.13
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	12	0.13
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	12	0.13
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	12	0.13
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	2	0.13
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	2	0.13
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	20	0.13
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	20	0.13
(1,1357)	1:474:A:LYS:HA	1:475:A:ARG:HA	4	0.13
(1,1357)	1:474:A:LYS:HA	1:475:A:ARG:HA	13	0.13
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG21	10	0.13
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG22	10	0.13
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG23	10	0.13
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG21	10	0.13
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG22	10	0.13
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG23	10	0.13
(1,1335)	1:422:A:LEU:HG	1:426:A:MET:HG2	8	0.13
(1,1335)	1:422:A:LEU:HG	1:426:A:MET:HG3	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1323)	1:422:A:LEU:HD11	1:431:A:VAL:HB	17	0.13
(1,1323)	1:422:A:LEU:HD12	1:431:A:VAL:HB	17	0.13
(1,1323)	1:422:A:LEU:HD13	1:431:A:VAL:HB	17	0.13
(1,1323)	1:422:A:LEU:HD21	1:431:A:VAL:HB	17	0.13
(1,1323)	1:422:A:LEU:HD22	1:431:A:VAL:HB	17	0.13
(1,1323)	1:422:A:LEU:HD23	1:431:A:VAL:HB	17	0.13
(1,1315)	1:413:A:PRO:HB2	1:416:A:PHE:HE1	18	0.13
(1,1315)	1:413:A:PRO:HB2	1:416:A:PHE:HE2	18	0.13
(1,1315)	1:413:A:PRO:HB3	1:416:A:PHE:HE1	18	0.13
(1,1315)	1:413:A:PRO:HB3	1:416:A:PHE:HE2	18	0.13
(1,1299)	1:411:A:HIS:HA	1:412:A:LEU:HB3	7	0.13
(1,1298)	1:440:A:LYS:HB2	1:443:A:ASN:HB3	18	0.13
(1,1298)	1:440:A:LYS:HB3	1:443:A:ASN:HB3	18	0.13
(1,1286)	1:398:A:GLN:HA	1:434:A:ALA:H	20	0.13
(1,1282)	1:398:A:GLN:HA	1:398:A:GLN:HG3	20	0.13
(1,1281)	1:398:A:GLN:HA	1:433:A:SER:HA	17	0.13
(1,1280)	1:398:A:GLN:HA	1:398:A:GLN:HE21	1	0.13
(1,1280)	1:398:A:GLN:HA	1:398:A:GLN:HE21	4	0.13
(1,1280)	1:398:A:GLN:HA	1:398:A:GLN:HE21	7	0.13
(1,1280)	1:398:A:GLN:HA	1:398:A:GLN:HE21	20	0.13
(1,1274)	1:456:A:PRO:HB2	1:457:A:VAL:H	2	0.13
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	5	0.13
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	8	0.13
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	17	0.13
(1,1265)	1:456:A:PRO:HB3	1:458:A:SER:H	20	0.13
(1,1264)	1:405:A:ALA:HB1	1:456:A:PRO:HB3	11	0.13
(1,1264)	1:405:A:ALA:HB2	1:456:A:PRO:HB3	11	0.13
(1,1264)	1:405:A:ALA:HB3	1:456:A:PRO:HB3	11	0.13
(1,1254)	1:411:A:HIS:HD2	1:476:A:LEU:HA	2	0.13
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG21	5	0.13
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG22	5	0.13
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG23	5	0.13
(1,1252)	1:431:A:VAL:HA	1:452:A:SER:HA	6	0.13
(1,1252)	1:431:A:VAL:HA	1:452:A:SER:HA	7	0.13
(1,1251)	1:446:A:LYS:HB2	1:448:A:PHE:HD1	7	0.13
(1,1251)	1:446:A:LYS:HB2	1:448:A:PHE:HD2	7	0.13
(1,1251)	1:446:A:LYS:HB3	1:448:A:PHE:HD1	7	0.13
(1,1251)	1:446:A:LYS:HB3	1:448:A:PHE:HD2	7	0.13
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB2	1	0.13
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB3	1	0.13
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB2	5	0.13
(1,1246)	1:482:A:ARG:HA	1:483:A:SER:HB3	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1244)	1:411:A:HIS:HB2	1:476:A:LEU:HA	5	0.13
(1,1244)	1:411:A:HIS:HB2	1:476:A:LEU:HA	11	0.13
(1,1231)	1:406:A:ASN:HB2	1:452:A:SER:HA	9	0.13
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG21	1	0.13
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG22	1	0.13
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG23	1	0.13
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG21	6	0.13
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG22	6	0.13
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG23	6	0.13
(1,1225)	1:436:A:VAL:HB	1:437:A:PHE:HD1	9	0.13
(1,1225)	1:436:A:VAL:HB	1:437:A:PHE:HD2	9	0.13
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	1	0.13
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	3	0.13
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	4	0.13
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	8	0.13
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	14	0.13
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG2	3	0.13
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG3	3	0.13
(1,1183)	1:446:A:LYS:HA	1:448:A:PHE:HE1	8	0.13
(1,1183)	1:446:A:LYS:HA	1:448:A:PHE:HE2	8	0.13
(1,1178)	1:399:A:LYS:H	1:399:A:LYS:HB2	16	0.13
(1,1178)	1:399:A:LYS:H	1:399:A:LYS:HB3	16	0.13
(1,1171)	1:398:A:GLN:HG2	1:433:A:SER:HB3	20	0.13
(1,1164)	1:398:A:GLN:HG3	1:399:A:LYS:H	11	0.13
(1,1147)	1:483:A:SER:HB2	1:484:A:LYS:HA	10	0.13
(1,1147)	1:483:A:SER:HB3	1:484:A:LYS:HA	10	0.13
(1,1145)	1:484:A:LYS:HA	1:485:A:ASN:HB3	9	0.13
(1,1143)	1:408:A:PHE:HA	1:450:A:PHE:HA	15	0.13
(1,1139)	1:477:A:LYS:HG2	1:479:A:GLN:HG2	20	0.13
(1,1139)	1:477:A:LYS:HG2	1:479:A:GLN:HG3	20	0.13
(1,1139)	1:477:A:LYS:HG3	1:479:A:GLN:HG2	20	0.13
(1,1139)	1:477:A:LYS:HG3	1:479:A:GLN:HG3	20	0.13
(1,1135)	1:484:A:LYS:HA	1:484:A:LYS:HE2	18	0.13
(1,1135)	1:484:A:LYS:HA	1:484:A:LYS:HE3	18	0.13
(1,1134)	1:483:A:SER:H	1:484:A:LYS:HA	15	0.13
(1,1134)	1:483:A:SER:H	1:484:A:LYS:HA	20	0.13
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	6	0.13
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	6	0.13
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	6	0.13
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	12	0.13
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	12	0.13
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:423:A:GLN:HA	1:423:A:GLN:HG2	3	0.13
(1,1113)	1:423:A:GLN:HA	1:423:A:GLN:HG2	11	0.13
(1,1113)	1:423:A:GLN:HA	1:423:A:GLN:HG2	18	0.13
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	2	0.13
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	6	0.13
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	9	0.13
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	13	0.13
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	16	0.13
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	17	0.13
(1,1092)	1:412:A:LEU:HG	1:415:A:GLU:HA	14	0.13
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG21	1	0.13
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG22	1	0.13
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG23	1	0.13
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG21	3	0.13
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG22	3	0.13
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG23	3	0.13
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG21	8	0.13
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG22	8	0.13
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG23	8	0.13
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG21	9	0.13
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG22	9	0.13
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG23	9	0.13
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	6	0.13
(1,1088)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	10	0.13
(1,1079)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	17	0.13
(1,1078)	1:440:A:LYS:HE2	1:441:A:GLN:HG3	3	0.13
(1,1078)	1:440:A:LYS:HE3	1:441:A:GLN:HG3	3	0.13
(1,1060)	1:416:A:PHE:HA	1:420:A:ASP:HB3	1	0.13
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB2	1	0.13
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB3	1	0.13
(1,1052)	1:411:A:HIS:HB3	1:474:A:LYS:HB2	16	0.13
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG21	2	0.13
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG22	2	0.13
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG23	2	0.13
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG21	17	0.13
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG22	17	0.13
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG23	17	0.13
(1,1032)	1:403:A:GLU:HA	1:406:A:ASN:HD21	15	0.13
(1,1032)	1:403:A:GLU:HA	1:406:A:ASN:HD21	17	0.13
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	18	0.13
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	18	0.13
(1,1025)	1:419:A:GLN:HA	1:422:A:LEU:HG	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	8	0.13
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	8	0.13
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	16	0.13
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	16	0.13
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	7	0.13
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	20	0.13
(1,1012)	1:460:A:GLN:HA	1:463:A:ILE:HB	12	0.13
(1,1002)	1:435:A:LYS:HE2	1:437:A:PHE:HA	8	0.13
(1,1002)	1:435:A:LYS:HE3	1:437:A:PHE:HA	8	0.13
(1,1002)	1:435:A:LYS:HE2	1:437:A:PHE:HA	10	0.13
(1,1002)	1:435:A:LYS:HE3	1:437:A:PHE:HA	10	0.13
(1,1002)	1:435:A:LYS:HE2	1:437:A:PHE:HA	15	0.13
(1,1002)	1:435:A:LYS:HE3	1:437:A:PHE:HA	15	0.13
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	16	0.13
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	20	0.13
(1,994)	1:403:A:GLU:HG3	1:404:A:GLY:H	1	0.13
(1,982)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	1	0.13
(1,982)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	1	0.13
(1,982)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	1	0.13
(1,981)	1:432:A:ILE:HD11	1:452:A:SER:HB2	16	0.13
(1,981)	1:432:A:ILE:HD12	1:452:A:SER:HB2	16	0.13
(1,981)	1:432:A:ILE:HD13	1:452:A:SER:HB2	16	0.13
(1,976)	1:432:A:ILE:HD11	1:453:A:TYR:HA	4	0.13
(1,976)	1:432:A:ILE:HD12	1:453:A:TYR:HA	4	0.13
(1,976)	1:432:A:ILE:HD13	1:453:A:TYR:HA	4	0.13
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD11	12	0.13
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD12	12	0.13
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD13	12	0.13
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	13	0.13
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	13	0.13
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	13	0.13
(1,971)	1:413:A:PRO:HA	1:414:A:GLN:HA	3	0.13
(1,971)	1:413:A:PRO:HA	1:414:A:GLN:HA	8	0.13
(1,971)	1:413:A:PRO:HA	1:414:A:GLN:HA	13	0.13
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	19	0.13
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	19	0.13
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	19	0.13
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	19	0.13
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	11	0.13
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	11	0.13
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	14	0.13
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	13	0.13
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	20	0.13
(1,939)	1:408:A:PHE:HB3	1:409:A:ILE:HA	13	0.13
(1,928)	1:400:A:GLU:HG2	1:401:A:GLY:H	13	0.13
(1,905)	1:416:A:PHE:HD1	1:421:A:ILE:HD11	13	0.13
(1,905)	1:416:A:PHE:HD1	1:421:A:ILE:HD12	13	0.13
(1,905)	1:416:A:PHE:HD1	1:421:A:ILE:HD13	13	0.13
(1,905)	1:416:A:PHE:HD2	1:421:A:ILE:HD11	13	0.13
(1,905)	1:416:A:PHE:HD2	1:421:A:ILE:HD12	13	0.13
(1,905)	1:416:A:PHE:HD2	1:421:A:ILE:HD13	13	0.13
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD11	1	0.13
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD12	1	0.13
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD13	1	0.13
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD1	15	0.13
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD2	15	0.13
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD1	15	0.13
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD2	15	0.13
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD1	15	0.13
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD2	15	0.13
(1,900)	1:421:A:ILE:HD11	1:435:A:LYS:H	15	0.13
(1,900)	1:421:A:ILE:HD12	1:435:A:LYS:H	15	0.13
(1,900)	1:421:A:ILE:HD13	1:435:A:LYS:H	15	0.13
(1,898)	1:421:A:ILE:HD11	1:451:A:VAL:HB	12	0.13
(1,898)	1:421:A:ILE:HD12	1:451:A:VAL:HB	12	0.13
(1,898)	1:421:A:ILE:HD13	1:451:A:VAL:HB	12	0.13
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD11	7	0.13
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD12	7	0.13
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD13	7	0.13
(1,882)	1:463:A:ILE:H	1:463:A:ILE:HD11	18	0.13
(1,882)	1:463:A:ILE:H	1:463:A:ILE:HD12	18	0.13
(1,882)	1:463:A:ILE:H	1:463:A:ILE:HD13	18	0.13
(1,881)	1:463:A:ILE:HD11	1:479:A:GLN:HA	9	0.13
(1,881)	1:463:A:ILE:HD12	1:479:A:GLN:HA	9	0.13
(1,881)	1:463:A:ILE:HD13	1:479:A:GLN:HA	9	0.13
(1,865)	1:430:A:ASN:HB2	1:454:A:ASP:HB2	11	0.13
(1,865)	1:430:A:ASN:HB3	1:454:A:ASP:HB2	11	0.13
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	9	0.13
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	9	0.13
(1,861)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	9	0.13
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	9	0.13
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	9	0.13
(1,861)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	8	0.13
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	8	0.13
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	8	0.13
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	6	0.13
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	6	0.13
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	6	0.13
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	8	0.13
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	20	0.13
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	20	0.13
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	20	0.13
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	20	0.13
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	20	0.13
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	20	0.13
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	1	0.13
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD11	14	0.13
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD12	14	0.13
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD13	14	0.13
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD21	14	0.13
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD22	14	0.13
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD23	14	0.13
(1,835)	1:442:A:THR:H	1:443:A:ASN:HB3	13	0.13
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD11	16	0.13
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD12	16	0.13
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD13	16	0.13
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD21	16	0.13
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD22	16	0.13
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD23	16	0.13
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD11	17	0.13
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD12	17	0.13
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD13	17	0.13
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD21	17	0.13
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD22	17	0.13
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD23	17	0.13
(1,833)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	5	0.13
(1,833)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	8	0.13
(1,833)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	9	0.13
(1,822)	1:455:A:ASN:HD21	1:458:A:SER:HA	3	0.13
(1,820)	1:463:A:ILE:HB	1:464:A:GLN:HE22	7	0.13
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	9	0.13
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	9	0.13
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	9	0.13
(1,811)	1:428:A:PHE:HB2	1:458:A:SER:HA	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	1:463:A:ILE:HB	1:467:A:ASN:HB3	6	0.13
(1,806)	1:463:A:ILE:HB	1:467:A:ASN:HB3	17	0.13
(1,795)	1:442:A:THR:HA	1:444:A:LEU:HB3	1	0.13
(1,795)	1:442:A:THR:HA	1:444:A:LEU:HB3	11	0.13
(1,793)	1:422:A:LEU:HA	1:425:A:PHE:HB3	5	0.13
(1,793)	1:422:A:LEU:HA	1:425:A:PHE:HB3	10	0.13
(1,787)	1:428:A:PHE:HB3	1:458:A:SER:HB3	4	0.13
(1,784)	1:436:A:VAL:HA	1:449:A:GLY:HA3	16	0.13
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	15	0.13
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	15	0.13
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	15	0.13
(1,778)	1:409:A:ILE:HD11	1:421:A:ILE:HG12	4	0.13
(1,778)	1:409:A:ILE:HD12	1:421:A:ILE:HG12	4	0.13
(1,778)	1:409:A:ILE:HD13	1:421:A:ILE:HG12	4	0.13
(1,778)	1:409:A:ILE:HD11	1:421:A:ILE:HG12	8	0.13
(1,778)	1:409:A:ILE:HD12	1:421:A:ILE:HG12	8	0.13
(1,778)	1:409:A:ILE:HD13	1:421:A:ILE:HG12	8	0.13
(1,777)	1:409:A:ILE:HD11	1:449:A:GLY:HA3	10	0.13
(1,777)	1:409:A:ILE:HD12	1:449:A:GLY:HA3	10	0.13
(1,777)	1:409:A:ILE:HD13	1:449:A:GLY:HA3	10	0.13
(1,763)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	4	0.13
(1,763)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	4	0.13
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG11	14	0.13
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG12	14	0.13
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG13	14	0.13
(1,753)	1:402:A:PRO:HA	1:404:A:GLY:H	14	0.13
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB1	1	0.13
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB2	1	0.13
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB3	1	0.13
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB1	10	0.13
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB2	10	0.13
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB3	10	0.13
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB1	20	0.13
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB2	20	0.13
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB3	20	0.13
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	14	0.13
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	20	0.13
(1,729)	1:432:A:ILE:HA	1:453:A:TYR:HA	16	0.13
(1,726)	1:416:A:PHE:HB2	1:420:A:ASP:HB3	6	0.13
(1,712)	1:430:A:ASN:H	1:458:A:SER:HB2	11	0.13
(1,712)	1:430:A:ASN:H	1:458:A:SER:HB2	12	0.13
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD2	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD3	15	0.13
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG21	13	0.13
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG22	13	0.13
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG23	13	0.13
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG21	13	0.13
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG22	13	0.13
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG23	13	0.13
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG21	14	0.13
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG22	14	0.13
(1,700)	1:399:A:LYS:HG2	1:432:A:ILE:HG23	14	0.13
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG21	14	0.13
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG22	14	0.13
(1,700)	1:399:A:LYS:HG3	1:432:A:ILE:HG23	14	0.13
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG21	9	0.13
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG22	9	0.13
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG23	9	0.13
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG21	9	0.13
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG22	9	0.13
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG23	9	0.13
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	14	0.13
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	14	0.13
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	14	0.13
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	18	0.13
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	18	0.13
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	18	0.13
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	3	0.13
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	8	0.13
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	10	0.13
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	11	0.13
(1,665)	1:418:A:ASP:H	1:420:A:ASP:HB3	16	0.13
(1,660)	1:489:A:PRO:HA	1:490:A:TYR:HB2	10	0.13
(1,642)	1:463:A:ILE:HG21	1:464:A:GLN:H	17	0.13
(1,642)	1:463:A:ILE:HG22	1:464:A:GLN:H	17	0.13
(1,642)	1:463:A:ILE:HG23	1:464:A:GLN:H	17	0.13
(1,637)	1:420:A:ASP:HB3	1:423:A:GLN:HE22	6	0.13
(1,637)	1:420:A:ASP:HB3	1:423:A:GLN:HE22	13	0.13
(1,637)	1:420:A:ASP:HB3	1:423:A:GLN:HE22	15	0.13
(1,636)	1:432:A:ILE:HG21	1:453:A:TYR:HA	8	0.13
(1,636)	1:432:A:ILE:HG22	1:453:A:TYR:HA	8	0.13
(1,636)	1:432:A:ILE:HG23	1:453:A:TYR:HA	8	0.13
(1,627)	1:444:A:LEU:HD11	1:445:A:SER:HB3	7	0.13
(1,627)	1:444:A:LEU:HD12	1:445:A:SER:HB3	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,627)	1:444:A:LEU:HD13	1:445:A:SER:HB3	7	0.13
(1,627)	1:444:A:LEU:HD21	1:445:A:SER:HB3	7	0.13
(1,627)	1:444:A:LEU:HD22	1:445:A:SER:HB3	7	0.13
(1,627)	1:444:A:LEU:HD23	1:445:A:SER:HB3	7	0.13
(1,625)	1:466:A:MET:HG2	1:469:A:PHE:HB2	7	0.13
(1,625)	1:466:A:MET:HG3	1:469:A:PHE:HB2	7	0.13
(1,617)	1:428:A:PHE:HA	1:461:A:ALA:HB1	5	0.13
(1,617)	1:428:A:PHE:HA	1:461:A:ALA:HB2	5	0.13
(1,617)	1:428:A:PHE:HA	1:461:A:ALA:HB3	5	0.13
(1,611)	1:410:A:TYR:HB3	1:411:A:HIS:HD2	16	0.13
(1,609)	1:410:A:TYR:HB3	1:411:A:HIS:HA	10	0.13
(1,601)	1:409:A:ILE:HB	1:411:A:HIS:H	16	0.13
(1,594)	1:468:A:GLY:HA2	1:469:A:PHE:HB3	9	0.13
(1,594)	1:468:A:GLY:HA2	1:469:A:PHE:HB3	15	0.13
(1,588)	1:416:A:PHE:HB3	1:421:A:ILE:HG21	16	0.13
(1,588)	1:416:A:PHE:HB3	1:421:A:ILE:HG22	16	0.13
(1,588)	1:416:A:PHE:HB3	1:421:A:ILE:HG23	16	0.13
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB1	8	0.13
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB2	8	0.13
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB3	8	0.13
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB1	19	0.13
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB2	19	0.13
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB3	19	0.13
(1,578)	1:453:A:TYR:HE1	1:459:A:ALA:HB1	7	0.13
(1,578)	1:453:A:TYR:HE1	1:459:A:ALA:HB2	7	0.13
(1,578)	1:453:A:TYR:HE1	1:459:A:ALA:HB3	7	0.13
(1,578)	1:453:A:TYR:HE2	1:459:A:ALA:HB1	7	0.13
(1,578)	1:453:A:TYR:HE2	1:459:A:ALA:HB2	7	0.13
(1,578)	1:453:A:TYR:HE2	1:459:A:ALA:HB3	7	0.13
(1,569)	1:418:A:ASP:HB2	1:421:A:ILE:HG21	1	0.13
(1,569)	1:418:A:ASP:HB2	1:421:A:ILE:HG22	1	0.13
(1,569)	1:418:A:ASP:HB2	1:421:A:ILE:HG23	1	0.13
(1,569)	1:418:A:ASP:HB2	1:421:A:ILE:HG21	9	0.13
(1,569)	1:418:A:ASP:HB2	1:421:A:ILE:HG22	9	0.13
(1,569)	1:418:A:ASP:HB2	1:421:A:ILE:HG23	9	0.13
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	19	0.13
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	19	0.13
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	19	0.13
(1,555)	1:421:A:ILE:HG21	1:436:A:VAL:H	2	0.13
(1,555)	1:421:A:ILE:HG22	1:436:A:VAL:H	2	0.13
(1,555)	1:421:A:ILE:HG23	1:436:A:VAL:H	2	0.13
(1,555)	1:421:A:ILE:HG21	1:436:A:VAL:H	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:421:A:ILE:HG22	1:436:A:VAL:H	18	0.13
(1,555)	1:421:A:ILE:HG23	1:436:A:VAL:H	18	0.13
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	13	0.13
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	16	0.13
(1,548)	1:421:A:ILE:HA	1:424:A:MET:HB2	13	0.13
(1,548)	1:421:A:ILE:HA	1:424:A:MET:HB3	13	0.13
(1,543)	1:419:A:GLN:H	1:422:A:LEU:HB2	3	0.13
(1,543)	1:419:A:GLN:H	1:422:A:LEU:HB2	20	0.13
(1,540)	1:422:A:LEU:HB2	1:434:A:ALA:HA	14	0.13
(1,540)	1:422:A:LEU:HB2	1:434:A:ALA:HA	15	0.13
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE1	19	0.13
(1,538)	1:406:A:ASN:HB2	1:408:A:PHE:HE2	19	0.13
(1,537)	1:455:A:ASN:HB3	1:457:A:VAL:HB	7	0.13
(1,537)	1:455:A:ASN:HB3	1:457:A:VAL:HB	10	0.13
(1,535)	1:455:A:ASN:HB3	1:456:A:PRO:HD3	15	0.13
(1,534)	1:455:A:ASN:H	1:455:A:ASN:HB3	1	0.13
(1,534)	1:455:A:ASN:H	1:455:A:ASN:HB3	11	0.13
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG21	1	0.13
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG22	1	0.13
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG23	1	0.13
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG21	2	0.13
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG22	2	0.13
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG23	2	0.13
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG21	4	0.13
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG22	4	0.13
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG23	4	0.13
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG21	10	0.13
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG22	10	0.13
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG23	10	0.13
(1,509)	1:435:A:LYS:H	1:435:A:LYS:HE2	10	0.13
(1,509)	1:435:A:LYS:H	1:435:A:LYS:HE3	10	0.13
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE2	11	0.13
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE3	11	0.13
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE2	14	0.13
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE3	14	0.13
(1,480)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	17	0.13
(1,480)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	17	0.13
(1,480)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	17	0.13
(1,480)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	17	0.13
(1,480)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	17	0.13
(1,480)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	17	0.13
(1,478)	1:462:A:ALA:HB1	1:466:A:MET:H	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:462:A:ALA:HB2	1:466:A:MET:H	18	0.13
(1,478)	1:462:A:ALA:HB3	1:466:A:MET:H	18	0.13
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE2	19	0.13
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE3	19	0.13
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE2	6	0.13
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE3	6	0.13
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	5	0.13
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	5	0.13
(1,467)	1:412:A:LEU:HB3	1:449:A:GLY:HA3	4	0.13
(1,455)	1:438:A:ILE:HA	1:439:A:ASP:HB3	3	0.13
(1,455)	1:438:A:ILE:HA	1:439:A:ASP:HB3	5	0.13
(1,455)	1:438:A:ILE:HA	1:439:A:ASP:HB3	13	0.13
(1,452)	1:439:A:ASP:HB3	1:440:A:LYS:HE2	19	0.13
(1,452)	1:439:A:ASP:HB3	1:440:A:LYS:HE3	19	0.13
(1,438)	1:433:A:SER:HB3	1:434:A:ALA:H	12	0.13
(1,438)	1:433:A:SER:HB3	1:434:A:ALA:H	15	0.13
(1,420)	1:479:A:GLN:HA	1:480:A:LEU:HB2	15	0.13
(1,420)	1:479:A:GLN:HA	1:480:A:LEU:HB3	15	0.13
(1,420)	1:479:A:GLN:HA	1:480:A:LEU:HB2	18	0.13
(1,420)	1:479:A:GLN:HA	1:480:A:LEU:HB3	18	0.13
(1,416)	1:453:A:TYR:HB2	1:459:A:ALA:H	3	0.13
(1,416)	1:453:A:TYR:HB2	1:459:A:ALA:H	15	0.13
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	5	0.13
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	5	0.13
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	19	0.13
(1,414)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	19	0.13
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	12	0.13
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	13	0.13
(1,399)	1:462:A:ALA:HA	1:463:A:ILE:HA	20	0.13
(1,398)	1:463:A:ILE:HA	1:467:A:ASN:HD22	8	0.13
(1,378)	1:470:A:GLN:HE21	1:475:A:ARG:HD2	4	0.13
(1,378)	1:470:A:GLN:HE21	1:475:A:ARG:HD2	19	0.13
(1,376)	1:475:A:ARG:H	1:475:A:ARG:HD3	17	0.13
(1,376)	1:475:A:ARG:H	1:475:A:ARG:HD3	18	0.13
(1,368)	1:432:A:ILE:HB	1:452:A:SER:HB2	11	0.13
(1,367)	1:433:A:SER:H	1:452:A:SER:HB2	8	0.13
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	9	0.13
(1,361)	1:432:A:ILE:H	1:452:A:SER:HB2	12	0.13
(1,359)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	7	0.13
(1,359)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	7	0.13
(1,359)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	7	0.13
(1,359)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,359)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	7	0.13
(1,359)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	7	0.13
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	14	0.13
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	14	0.13
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	14	0.13
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	14	0.13
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	14	0.13
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	14	0.13
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	14	0.13
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	14	0.13
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	14	0.13
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	8	0.13
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	8	0.13
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	8	0.13
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	10	0.13
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	10	0.13
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	10	0.13
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	18	0.13
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	18	0.13
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	18	0.13
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	19	0.13
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	19	0.13
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	19	0.13
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	14	0.13
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	14	0.13
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	14	0.13
(1,345)	1:405:A:ALA:HB1	1:455:A:ASN:H	15	0.13
(1,345)	1:405:A:ALA:HB2	1:455:A:ASN:H	15	0.13
(1,345)	1:405:A:ALA:HB3	1:455:A:ASN:H	15	0.13
(1,343)	1:405:A:ALA:HB1	1:454:A:ASP:H	19	0.13
(1,343)	1:405:A:ALA:HB2	1:454:A:ASP:H	19	0.13
(1,343)	1:405:A:ALA:HB3	1:454:A:ASP:H	19	0.13
(1,341)	1:444:A:LEU:HB2	1:445:A:SER:HB2	4	0.13
(1,341)	1:444:A:LEU:HB2	1:445:A:SER:HB2	7	0.13
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	15	0.13
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	15	0.13
(1,336)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	15	0.13
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG11	4	0.13
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG12	4	0.13
(1,334)	1:425:A:PHE:HB2	1:451:A:VAL:HG13	4	0.13
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG11	17	0.13
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG12	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG13	17	0.13
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	7	0.13
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	7	0.13
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	7	0.13
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	9	0.13
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	9	0.13
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	9	0.13
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	12	0.13
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	12	0.13
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	12	0.13
(1,330)	1:451:A:VAL:HG11	1:452:A:SER:H	15	0.13
(1,330)	1:451:A:VAL:HG12	1:452:A:SER:H	15	0.13
(1,330)	1:451:A:VAL:HG13	1:452:A:SER:H	15	0.13
(1,323)	1:442:A:THR:HB	1:444:A:LEU:HB2	7	0.13
(1,315)	1:435:A:LYS:HB2	1:450:A:PHE:HB2	9	0.13
(1,315)	1:435:A:LYS:HB3	1:450:A:PHE:HB2	9	0.13
(1,313)	1:401:A:GLY:HA3	1:402:A:PRO:HG2	16	0.13
(1,293)	1:436:A:VAL:HG11	1:449:A:GLY:HA2	8	0.13
(1,293)	1:436:A:VAL:HG12	1:449:A:GLY:HA2	8	0.13
(1,293)	1:436:A:VAL:HG13	1:449:A:GLY:HA2	8	0.13
(1,293)	1:436:A:VAL:HG11	1:449:A:GLY:HA2	20	0.13
(1,293)	1:436:A:VAL:HG12	1:449:A:GLY:HA2	20	0.13
(1,293)	1:436:A:VAL:HG13	1:449:A:GLY:HA2	20	0.13
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	9	0.13
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	9	0.13
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	9	0.13
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB1	4	0.13
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB2	4	0.13
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB3	4	0.13
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB1	5	0.13
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB2	5	0.13
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB3	5	0.13
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB1	7	0.13
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB2	7	0.13
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB3	7	0.13
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG11	1	0.13
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG12	1	0.13
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG13	1	0.13
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG11	1	0.13
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG12	1	0.13
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG13	1	0.13
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG11	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG12	1	0.13
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG13	1	0.13
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG11	18	0.13
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG12	18	0.13
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG13	18	0.13
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG11	18	0.13
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG12	18	0.13
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG13	18	0.13
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG11	18	0.13
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG12	18	0.13
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG13	18	0.13
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG11	3	0.13
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG12	3	0.13
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG13	3	0.13
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG11	10	0.13
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG12	10	0.13
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG13	10	0.13
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG11	9	0.13
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG12	9	0.13
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG13	9	0.13
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	20	0.13
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	20	0.13
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	20	0.13
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	7	0.13
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	7	0.13
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	7	0.13
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	1	0.13
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	1	0.13
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	1	0.13
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	4	0.13
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	4	0.13
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	4	0.13
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG21	11	0.13
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG22	11	0.13
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG23	11	0.13
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG21	14	0.13
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG22	14	0.13
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG23	14	0.13
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG21	1	0.13
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG22	1	0.13
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG23	1	0.13
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG21	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG22	16	0.13
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG23	16	0.13
(1,229)	1:451:A:VAL:HG21	1:452:A:SER:H	7	0.13
(1,229)	1:451:A:VAL:HG22	1:452:A:SER:H	7	0.13
(1,229)	1:451:A:VAL:HG23	1:452:A:SER:H	7	0.13
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE1	1	0.13
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE2	1	0.13
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE1	2	0.13
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE2	2	0.13
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE1	12	0.13
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE2	12	0.13
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG21	10	0.13
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG22	10	0.13
(1,212)	1:415:A:GLU:HG2	1:436:A:VAL:HG23	10	0.13
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG21	10	0.13
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG22	10	0.13
(1,212)	1:415:A:GLU:HG3	1:436:A:VAL:HG23	10	0.13
(1,204)	1:457:A:VAL:HG11	1:459:A:ALA:H	10	0.13
(1,204)	1:457:A:VAL:HG12	1:459:A:ALA:H	10	0.13
(1,204)	1:457:A:VAL:HG13	1:459:A:ALA:H	10	0.13
(1,204)	1:457:A:VAL:HG21	1:459:A:ALA:H	10	0.13
(1,204)	1:457:A:VAL:HG22	1:459:A:ALA:H	10	0.13
(1,204)	1:457:A:VAL:HG23	1:459:A:ALA:H	10	0.13
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG21	4	0.13
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG22	4	0.13
(1,196)	1:416:A:PHE:HB3	1:436:A:VAL:HG23	4	0.13
(1,185)	1:421:A:ILE:HG12	1:436:A:VAL:HG21	3	0.13
(1,185)	1:421:A:ILE:HG12	1:436:A:VAL:HG22	3	0.13
(1,185)	1:421:A:ILE:HG12	1:436:A:VAL:HG23	3	0.13
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	20	0.13
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	20	0.13
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	20	0.13
(1,169)	1:457:A:VAL:HG11	1:460:A:GLN:HE21	18	0.13
(1,169)	1:457:A:VAL:HG12	1:460:A:GLN:HE21	18	0.13
(1,169)	1:457:A:VAL:HG13	1:460:A:GLN:HE21	18	0.13
(1,169)	1:457:A:VAL:HG21	1:460:A:GLN:HE21	18	0.13
(1,169)	1:457:A:VAL:HG22	1:460:A:GLN:HE21	18	0.13
(1,169)	1:457:A:VAL:HG23	1:460:A:GLN:HE21	18	0.13
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB2	10	0.13
(1,153)	1:444:A:LEU:HD11	1:479:A:GLN:HB3	10	0.13
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB2	10	0.13
(1,153)	1:444:A:LEU:HD12	1:479:A:GLN:HB3	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB2	10	0.13
(1,153)	1:444:A:LEU:HD13	1:479:A:GLN:HB3	10	0.13
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB2	10	0.13
(1,153)	1:444:A:LEU:HD21	1:479:A:GLN:HB3	10	0.13
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB2	10	0.13
(1,153)	1:444:A:LEU:HD22	1:479:A:GLN:HB3	10	0.13
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB2	10	0.13
(1,153)	1:444:A:LEU:HD23	1:479:A:GLN:HB3	10	0.13
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD11	5	0.13
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD12	5	0.13
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD13	5	0.13
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD21	5	0.13
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD22	5	0.13
(1,152)	1:443:A:ASN:HA	1:444:A:LEU:HD23	5	0.13
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD11	15	0.13
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD12	15	0.13
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD13	15	0.13
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD21	15	0.13
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD22	15	0.13
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD23	15	0.13
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG21	15	0.13
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG22	15	0.13
(1,146)	1:407:A:LEU:HB2	1:478:A:VAL:HG23	15	0.13
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD11	13	0.13
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD12	13	0.13
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD13	13	0.13
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD21	13	0.13
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD22	13	0.13
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD23	13	0.13
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	7	0.13
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	7	0.13
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	7	0.13
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	7	0.13
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	7	0.13
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	7	0.13
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	7	0.13
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	7	0.13
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	7	0.13
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	7	0.13
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	7	0.13
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	7	0.13
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	7	0.13
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	7	0.13
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	7	0.13
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	7	0.13
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	7	0.13
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	15	0.13
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	15	0.13
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	15	0.13
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	15	0.13
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	15	0.13
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	15	0.13
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	15	0.13
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	15	0.13
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	15	0.13
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	15	0.13
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	15	0.13
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	15	0.13
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG2	20	0.13
(1,134)	1:422:A:LEU:HD11	1:426:A:MET:HG3	20	0.13
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG2	20	0.13
(1,134)	1:422:A:LEU:HD12	1:426:A:MET:HG3	20	0.13
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG2	20	0.13
(1,134)	1:422:A:LEU:HD13	1:426:A:MET:HG3	20	0.13
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG2	20	0.13
(1,134)	1:422:A:LEU:HD21	1:426:A:MET:HG3	20	0.13
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG2	20	0.13
(1,134)	1:422:A:LEU:HD22	1:426:A:MET:HG3	20	0.13
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG2	20	0.13
(1,134)	1:422:A:LEU:HD23	1:426:A:MET:HG3	20	0.13
(1,117)	1:442:A:THR:HG21	1:444:A:LEU:HG	12	0.13
(1,117)	1:442:A:THR:HG22	1:444:A:LEU:HG	12	0.13
(1,117)	1:442:A:THR:HG23	1:444:A:LEU:HG	12	0.13
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	11	0.13
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	11	0.13
(1,113)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	11	0.13
(1,66)	1:444:A:LEU:H	1:444:A:LEU:HG	7	0.13
(1,59)	1:474:A:LYS:H	1:474:A:LYS:HG2	10	0.13
(1,59)	1:474:A:LYS:H	1:474:A:LYS:HG2	13	0.13
(1,40)	1:409:A:ILE:HD11	1:476:A:LEU:HG	8	0.13
(1,40)	1:409:A:ILE:HD12	1:476:A:LEU:HG	8	0.13
(1,40)	1:409:A:ILE:HD13	1:476:A:LEU:HG	8	0.13
(1,40)	1:409:A:ILE:HD11	1:476:A:LEU:HG	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,40)	1:409:A:ILE:HD12	1:476:A:LEU:HG	9	0.13
(1,40)	1:409:A:ILE:HD13	1:476:A:LEU:HG	9	0.13
(1,39)	1:409:A:ILE:HG21	1:476:A:LEU:HG	18	0.13
(1,39)	1:409:A:ILE:HG22	1:476:A:LEU:HG	18	0.13
(1,39)	1:409:A:ILE:HG23	1:476:A:LEU:HG	18	0.13
(1,38)	1:409:A:ILE:HG13	1:476:A:LEU:HG	9	0.13
(1,36)	1:425:A:PHE:HE1	1:476:A:LEU:HG	2	0.13
(1,36)	1:425:A:PHE:HE2	1:476:A:LEU:HG	2	0.13
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	6	0.13
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	8	0.13
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	15	0.13
(1,22)	1:400:A:GLU:HB2	1:402:A:PRO:HD2	5	0.13
(1,2437)	1:410:A:TYR:HE1	1:448:A:PHE:HB2	8	0.12
(1,2437)	1:410:A:TYR:HE1	1:448:A:PHE:HB3	8	0.12
(1,2437)	1:410:A:TYR:HE2	1:448:A:PHE:HB2	8	0.12
(1,2437)	1:410:A:TYR:HE2	1:448:A:PHE:HB3	8	0.12
(1,2433)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	18	0.12
(1,2433)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	18	0.12
(1,2433)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	18	0.12
(1,2433)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	18	0.12
(1,2433)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	18	0.12
(1,2433)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	18	0.12
(1,2433)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	18	0.12
(1,2433)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	18	0.12
(1,2433)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	18	0.12
(1,2433)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	18	0.12
(1,2433)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	18	0.12
(1,2433)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	18	0.12
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	8	0.12
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	8	0.12
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	8	0.12
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	8	0.12
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	8	0.12
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	8	0.12
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	11	0.12
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	11	0.12
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	11	0.12
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	11	0.12
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	11	0.12
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	11	0.12
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	19	0.12
(1,2427)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	19	0.12
(1,2427)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	19	0.12
(1,2426)	1:453:A:TYR:HA	1:453:A:TYR:HE1	14	0.12
(1,2426)	1:453:A:TYR:HA	1:453:A:TYR:HE2	14	0.12
(1,2423)	1:410:A:TYR:HB2	1:411:A:HIS:HD2	14	0.12
(1,2411)	1:450:A:PHE:HA	1:450:A:PHE:HE1	9	0.12
(1,2411)	1:450:A:PHE:HA	1:450:A:PHE:HE2	9	0.12
(1,2407)	1:428:A:PHE:HA	1:428:A:PHE:HD1	5	0.12
(1,2407)	1:428:A:PHE:HA	1:428:A:PHE:HD2	5	0.12
(1,2407)	1:428:A:PHE:HA	1:428:A:PHE:HD1	14	0.12
(1,2407)	1:428:A:PHE:HA	1:428:A:PHE:HD2	14	0.12
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	5	0.12
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	5	0.12
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	5	0.12
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	5	0.12
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	5	0.12
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	5	0.12
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	6	0.12
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	6	0.12
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	6	0.12
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	6	0.12
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	6	0.12
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	6	0.12
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	8	0.12
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	8	0.12
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	8	0.12
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	8	0.12
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	8	0.12
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	8	0.12
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG12	3	0.12
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG13	3	0.12
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG12	3	0.12
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG13	3	0.12
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG12	6	0.12
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG13	6	0.12
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG12	6	0.12
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG13	6	0.12
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD1	17	0.12
(1,2394)	1:408:A:PHE:H	1:408:A:PHE:HD2	17	0.12
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	8	0.12
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	8	0.12
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	8	0.12
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	8	0.12
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	8	0.12
(1,2390)	1:416:A:PHE:HE1	1:420:A:ASP:HB2	6	0.12
(1,2390)	1:416:A:PHE:HE2	1:420:A:ASP:HB2	6	0.12
(1,2386)	1:450:A:PHE:HD1	1:451:A:VAL:H	2	0.12
(1,2386)	1:450:A:PHE:HD2	1:451:A:VAL:H	2	0.12
(1,2386)	1:450:A:PHE:HD1	1:451:A:VAL:H	18	0.12
(1,2386)	1:450:A:PHE:HD2	1:451:A:VAL:H	18	0.12
(1,2376)	1:437:A:PHE:HA	1:437:A:PHE:HD1	9	0.12
(1,2376)	1:437:A:PHE:HA	1:437:A:PHE:HD2	9	0.12
(1,2375)	1:437:A:PHE:HD1	1:438:A:ILE:H	9	0.12
(1,2375)	1:437:A:PHE:HD2	1:438:A:ILE:H	9	0.12
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD1	19	0.12
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD2	19	0.12
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	6	0.12
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	6	0.12
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	6	0.12
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	6	0.12
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	6	0.12
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	6	0.12
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	18	0.12
(1,2368)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	18	0.12
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	18	0.12
(1,2368)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	18	0.12
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	18	0.12
(1,2368)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	18	0.12
(1,2366)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	10	0.12
(1,2366)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	10	0.12
(1,2366)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	10	0.12
(1,2366)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	10	0.12
(1,2366)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	10	0.12
(1,2366)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	10	0.12
(1,2366)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	15	0.12
(1,2366)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	15	0.12
(1,2366)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	15	0.12
(1,2366)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	15	0.12
(1,2366)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	15	0.12
(1,2366)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	15	0.12
(1,2358)	1:453:A:TYR:HD1	1:458:A:SER:HB3	2	0.12
(1,2358)	1:453:A:TYR:HD2	1:458:A:SER:HB3	2	0.12
(1,2351)	1:424:A:MET:HB2	1:425:A:PHE:HD1	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2351)	1:424:A:MET:HB2	1:425:A:PHE:HD2	3	0.12
(1,2351)	1:424:A:MET:HB3	1:425:A:PHE:HD1	3	0.12
(1,2351)	1:424:A:MET:HB3	1:425:A:PHE:HD2	3	0.12
(1,2346)	1:409:A:ILE:HG21	1:448:A:PHE:HD1	19	0.12
(1,2346)	1:409:A:ILE:HG21	1:448:A:PHE:HD2	19	0.12
(1,2346)	1:409:A:ILE:HG22	1:448:A:PHE:HD1	19	0.12
(1,2346)	1:409:A:ILE:HG22	1:448:A:PHE:HD2	19	0.12
(1,2346)	1:409:A:ILE:HG23	1:448:A:PHE:HD1	19	0.12
(1,2346)	1:409:A:ILE:HG23	1:448:A:PHE:HD2	19	0.12
(1,2342)	1:448:A:PHE:H	1:448:A:PHE:HD1	16	0.12
(1,2342)	1:448:A:PHE:H	1:448:A:PHE:HD2	16	0.12
(1,2330)	1:428:A:PHE:HB3	1:429:A:GLY:H	6	0.12
(1,2330)	1:428:A:PHE:HB3	1:429:A:GLY:H	12	0.12
(1,2317)	1:409:A:ILE:H	1:449:A:GLY:H	3	0.12
(1,2316)	1:411:A:HIS:H	1:449:A:GLY:H	4	0.12
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	5	0.12
(1,2291)	1:470:A:GLN:HB2	1:470:A:GLN:HE21	20	0.12
(1,2285)	1:463:A:ILE:HG21	1:464:A:GLN:HE21	20	0.12
(1,2285)	1:463:A:ILE:HG22	1:464:A:GLN:HE21	20	0.12
(1,2285)	1:463:A:ILE:HG23	1:464:A:GLN:HE21	20	0.12
(1,2284)	1:422:A:LEU:HB2	1:423:A:GLN:HE21	5	0.12
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	4	0.12
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	4	0.12
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	6	0.12
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	6	0.12
(1,2276)	1:464:A:GLN:H	1:464:A:GLN:HE22	13	0.12
(1,2275)	1:419:A:GLN:H	1:419:A:GLN:HE22	4	0.12
(1,2274)	1:456:A:PRO:HB3	1:460:A:GLN:HE22	14	0.12
(1,2272)	1:438:A:ILE:HG21	1:443:A:ASN:HD21	18	0.12
(1,2272)	1:438:A:ILE:HG22	1:443:A:ASN:HD21	18	0.12
(1,2272)	1:438:A:ILE:HG23	1:443:A:ASN:HD21	18	0.12
(1,2272)	1:438:A:ILE:HG21	1:443:A:ASN:HD21	19	0.12
(1,2272)	1:438:A:ILE:HG22	1:443:A:ASN:HD21	19	0.12
(1,2272)	1:438:A:ILE:HG23	1:443:A:ASN:HD21	19	0.12
(1,2263)	1:410:A:TYR:HB2	1:411:A:HIS:H	9	0.12
(1,2248)	1:444:A:LEU:HB2	1:479:A:GLN:HE21	16	0.12
(1,2241)	1:445:A:SER:HB2	1:479:A:GLN:HE22	4	0.12
(1,2233)	1:484:A:LYS:HG2	1:485:A:ASN:HD22	19	0.12
(1,2233)	1:484:A:LYS:HG3	1:485:A:ASN:HD22	19	0.12
(1,2232)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	8	0.12
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG21	6	0.12
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG22	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG23	6	0.12
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG21	14	0.12
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG22	14	0.12
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG23	14	0.12
(1,2219)	1:417:A:GLY:H	1:421:A:ILE:H	9	0.12
(1,2212)	1:430:A:ASN:HD22	1:454:A:ASP:HA	1	0.12
(1,2212)	1:430:A:ASN:HD22	1:454:A:ASP:HA	18	0.12
(1,2206)	1:430:A:ASN:H	1:430:A:ASN:HD21	7	0.12
(1,2206)	1:430:A:ASN:H	1:430:A:ASN:HD21	15	0.12
(1,2200)	1:431:A:VAL:HA	1:433:A:SER:H	16	0.12
(1,2197)	1:430:A:ASN:HD22	1:432:A:ILE:HD11	11	0.12
(1,2197)	1:430:A:ASN:HD22	1:432:A:ILE:HD12	11	0.12
(1,2197)	1:430:A:ASN:HD22	1:432:A:ILE:HD13	11	0.12
(1,2197)	1:430:A:ASN:HD22	1:432:A:ILE:HD11	15	0.12
(1,2197)	1:430:A:ASN:HD22	1:432:A:ILE:HD12	15	0.12
(1,2197)	1:430:A:ASN:HD22	1:432:A:ILE:HD13	15	0.12
(1,2191)	1:453:A:TYR:HB3	1:455:A:ASN:H	4	0.12
(1,2191)	1:453:A:TYR:HB3	1:455:A:ASN:H	5	0.12
(1,2191)	1:453:A:TYR:HB3	1:455:A:ASN:H	15	0.12
(1,2187)	1:453:A:TYR:HA	1:455:A:ASN:H	19	0.12
(1,2156)	1:414:A:GLN:HG3	1:415:A:GLU:H	2	0.12
(1,2156)	1:414:A:GLN:HG3	1:415:A:GLU:H	16	0.12
(1,2146)	1:405:A:ALA:H	1:406:A:ASN:H	9	0.12
(1,2139)	1:444:A:LEU:HA	1:445:A:SER:H	17	0.12
(1,2129)	1:422:A:LEU:HB3	1:423:A:GLN:H	6	0.12
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	1	0.12
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	1	0.12
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	18	0.12
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	18	0.12
(1,2125)	1:420:A:ASP:HA	1:423:A:GLN:H	8	0.12
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB1	18	0.12
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB2	18	0.12
(1,2121)	1:423:A:GLN:H	1:434:A:ALA:HB3	18	0.12
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	10	0.12
(1,2094)	1:462:A:ALA:HA	1:464:A:GLN:H	6	0.12
(1,2083)	1:463:A:ILE:HB	1:465:A:ALA:H	12	0.12
(1,2082)	1:462:A:ALA:HA	1:465:A:ALA:H	8	0.12
(1,2064)	1:430:A:ASN:H	1:430:A:ASN:HB2	18	0.12
(1,2064)	1:430:A:ASN:H	1:430:A:ASN:HB3	18	0.12
(1,2057)	1:430:A:ASN:H	1:454:A:ASP:H	4	0.12
(1,2054)	1:400:A:GLU:HB3	1:406:A:ASN:HD21	20	0.12
(1,2053)	1:405:A:ALA:HB1	1:406:A:ASN:HD21	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2053)	1:405:A:ALA:HB2	1:406:A:ASN:HD21	19	0.12
(1,2053)	1:405:A:ALA:HB3	1:406:A:ASN:HD21	19	0.12
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	4	0.12
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	10	0.12
(1,2044)	1:444:A:LEU:H	1:444:A:LEU:HB3	3	0.12
(1,2044)	1:444:A:LEU:H	1:444:A:LEU:HB3	8	0.12
(1,2044)	1:444:A:LEU:H	1:444:A:LEU:HB3	15	0.12
(1,2044)	1:444:A:LEU:H	1:444:A:LEU:HB3	16	0.12
(1,2043)	1:439:A:ASP:HB2	1:444:A:LEU:H	19	0.12
(1,2042)	1:443:A:ASN:HD22	1:444:A:LEU:H	2	0.12
(1,2042)	1:443:A:ASN:HD22	1:444:A:LEU:H	11	0.12
(1,2040)	1:443:A:ASN:H	1:444:A:LEU:H	17	0.12
(1,2032)	1:482:A:ARG:HB2	1:483:A:SER:H	3	0.12
(1,2029)	1:467:A:ASN:HB3	1:468:A:GLY:H	18	0.12
(1,2018)	1:460:A:GLN:HA	1:463:A:ILE:H	13	0.12
(1,2017)	1:461:A:ALA:HA	1:463:A:ILE:H	18	0.12
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	2	0.12
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	5	0.12
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	20	0.12
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG21	9	0.12
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG22	9	0.12
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG23	9	0.12
(1,2013)	1:407:A:LEU:HB3	1:408:A:PHE:H	1	0.12
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB2	8	0.12
(1,2007)	1:408:A:PHE:H	1:479:A:GLN:HB3	8	0.12
(1,2004)	1:463:A:ILE:HG21	1:467:A:ASN:H	3	0.12
(1,2004)	1:463:A:ILE:HG22	1:467:A:ASN:H	3	0.12
(1,2004)	1:463:A:ILE:HG23	1:467:A:ASN:H	3	0.12
(1,2004)	1:463:A:ILE:HG21	1:467:A:ASN:H	17	0.12
(1,2004)	1:463:A:ILE:HG22	1:467:A:ASN:H	17	0.12
(1,2004)	1:463:A:ILE:HG23	1:467:A:ASN:H	17	0.12
(1,2000)	1:403:A:GLU:H	1:403:A:GLU:HB2	14	0.12
(1,1970)	1:475:A:ARG:H	1:476:A:LEU:H	6	0.12
(1,1965)	1:405:A:ALA:H	1:406:A:ASN:HB3	10	0.12
(1,1961)	1:450:A:PHE:H	1:450:A:PHE:HB3	12	0.12
(1,1960)	1:436:A:VAL:HA	1:450:A:PHE:H	17	0.12
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE1	19	0.12
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE2	19	0.12
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	7	0.12
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	13	0.12
(1,1941)	1:457:A:VAL:H	1:459:A:ALA:H	10	0.12
(1,1937)	1:409:A:ILE:H	1:450:A:PHE:HA	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:435:A:LYS:H	1:435:A:LYS:HG2	1	0.12
(1,1932)	1:435:A:LYS:H	1:435:A:LYS:HG2	10	0.12
(1,1932)	1:435:A:LYS:H	1:435:A:LYS:HG2	15	0.12
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB2	11	0.12
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB3	11	0.12
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB2	19	0.12
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB3	19	0.12
(1,1930)	1:435:A:LYS:H	1:450:A:PHE:HB3	14	0.12
(1,1913)	1:400:A:GLU:H	1:400:A:GLU:HB3	9	0.12
(1,1899)	1:417:A:GLY:HA2	1:418:A:ASP:H	17	0.12
(1,1889)	1:459:A:ALA:HA	1:462:A:ALA:H	14	0.12
(1,1870)	1:398:A:GLN:H	1:399:A:LYS:H	3	0.12
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	3	0.12
(1,1859)	1:461:A:ALA:H	1:463:A:ILE:H	13	0.12
(1,1857)	1:461:A:ALA:H	1:463:A:ILE:HG12	4	0.12
(1,1857)	1:461:A:ALA:H	1:463:A:ILE:HG13	4	0.12
(1,1854)	1:422:A:LEU:H	1:422:A:LEU:HB2	2	0.12
(1,1854)	1:422:A:LEU:H	1:422:A:LEU:HB2	4	0.12
(1,1854)	1:422:A:LEU:H	1:422:A:LEU:HB2	8	0.12
(1,1849)	1:399:A:LYS:H	1:433:A:SER:HA	8	0.12
(1,1848)	1:483:A:SER:H	1:484:A:LYS:H	8	0.12
(1,1846)	1:483:A:SER:HB2	1:484:A:LYS:H	6	0.12
(1,1846)	1:483:A:SER:HB3	1:484:A:LYS:H	6	0.12
(1,1841)	1:480:A:LEU:H	1:481:A:LYS:H	20	0.12
(1,1836)	1:407:A:LEU:H	1:407:A:LEU:HB3	14	0.12
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG21	10	0.12
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG22	10	0.12
(1,1829)	1:407:A:LEU:H	1:451:A:VAL:HG23	10	0.12
(1,1826)	1:410:A:TYR:H	1:476:A:LEU:HA	13	0.12
(1,1813)	1:469:A:PHE:H	1:469:A:PHE:HD1	5	0.12
(1,1813)	1:469:A:PHE:H	1:469:A:PHE:HD2	5	0.12
(1,1813)	1:469:A:PHE:H	1:469:A:PHE:HD1	19	0.12
(1,1813)	1:469:A:PHE:H	1:469:A:PHE:HD2	19	0.12
(1,1794)	1:407:A:LEU:HD11	1:479:A:GLN:H	8	0.12
(1,1794)	1:407:A:LEU:HD12	1:479:A:GLN:H	8	0.12
(1,1794)	1:407:A:LEU:HD13	1:479:A:GLN:H	8	0.12
(1,1794)	1:407:A:LEU:HD21	1:479:A:GLN:H	8	0.12
(1,1794)	1:407:A:LEU:HD22	1:479:A:GLN:H	8	0.12
(1,1794)	1:407:A:LEU:HD23	1:479:A:GLN:H	8	0.12
(1,1786)	1:409:A:ILE:HA	1:477:A:LYS:H	13	0.12
(1,1783)	1:481:A:LYS:H	1:481:A:LYS:HB2	2	0.12
(1,1770)	1:445:A:SER:H	1:446:A:LYS:H	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1768)	1:414:A:GLN:H	1:474:A:LYS:HD2	5	0.12
(1,1768)	1:414:A:GLN:H	1:474:A:LYS:HD3	5	0.12
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	6	0.12
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	8	0.12
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	10	0.12
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	19	0.12
(1,1733)	1:424:A:MET:HA	1:426:A:MET:H	2	0.12
(1,1733)	1:424:A:MET:HA	1:426:A:MET:H	15	0.12
(1,1726)	1:432:A:ILE:H	1:453:A:TYR:HA	16	0.12
(1,1713)	1:470:A:GLN:H	1:475:A:ARG:HG2	17	0.12
(1,1713)	1:470:A:GLN:H	1:475:A:ARG:HG3	17	0.12
(1,1713)	1:470:A:GLN:H	1:475:A:ARG:HG2	18	0.12
(1,1713)	1:470:A:GLN:H	1:475:A:ARG:HG3	18	0.12
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG12	14	0.12
(1,1711)	1:400:A:GLU:HB2	1:432:A:ILE:HG13	14	0.12
(1,1703)	1:402:A:PRO:HG2	1:405:A:ALA:HA	14	0.12
(1,1702)	1:402:A:PRO:HG2	1:456:A:PRO:HA	17	0.12
(1,1699)	1:422:A:LEU:HG	1:423:A:GLN:HE21	16	0.12
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB2	4	0.12
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB3	4	0.12
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB2	19	0.12
(1,1698)	1:422:A:LEU:HG	1:423:A:GLN:HB3	19	0.12
(1,1696)	1:422:A:LEU:HG	1:426:A:MET:HB2	13	0.12
(1,1696)	1:422:A:LEU:HG	1:426:A:MET:HB3	13	0.12
(1,1696)	1:422:A:LEU:HG	1:426:A:MET:HB2	17	0.12
(1,1696)	1:422:A:LEU:HG	1:426:A:MET:HB3	17	0.12
(1,1695)	1:402:A:PRO:HG3	1:405:A:ALA:H	7	0.12
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	1	0.12
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	1	0.12
(1,1689)	1:432:A:ILE:HG12	1:452:A:SER:HB3	1	0.12
(1,1689)	1:432:A:ILE:HG13	1:452:A:SER:HB3	1	0.12
(1,1686)	1:422:A:LEU:HG	1:423:A:GLN:H	7	0.12
(1,1686)	1:422:A:LEU:HG	1:423:A:GLN:H	19	0.12
(1,1682)	1:482:A:ARG:HG2	1:483:A:SER:HB2	13	0.12
(1,1682)	1:482:A:ARG:HG2	1:483:A:SER:HB3	13	0.12
(1,1682)	1:482:A:ARG:HG3	1:483:A:SER:HB2	13	0.12
(1,1682)	1:482:A:ARG:HG3	1:483:A:SER:HB3	13	0.12
(1,1682)	1:482:A:ARG:HG2	1:483:A:SER:HB2	19	0.12
(1,1682)	1:482:A:ARG:HG2	1:483:A:SER:HB3	19	0.12
(1,1682)	1:482:A:ARG:HG3	1:483:A:SER:HB2	19	0.12
(1,1682)	1:482:A:ARG:HG3	1:483:A:SER:HB3	19	0.12
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD11	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD12	18	0.12
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD13	18	0.12
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD11	20	0.12
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD12	20	0.12
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD13	20	0.12
(1,1671)	1:456:A:PRO:HG2	1:457:A:VAL:H	9	0.12
(1,1671)	1:456:A:PRO:HG3	1:457:A:VAL:H	9	0.12
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG12	13	0.12
(1,1667)	1:470:A:GLN:HB3	1:471:A:ILE:HG13	13	0.12
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	19	0.12
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	19	0.12
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	14	0.12
(1,1643)	1:405:A:ALA:HA	1:459:A:ALA:H	10	0.12
(1,1642)	1:405:A:ALA:HA	1:456:A:PRO:HG2	12	0.12
(1,1642)	1:405:A:ALA:HA	1:456:A:PRO:HG3	12	0.12
(1,1633)	1:405:A:ALA:HA	1:406:A:ASN:HD22	3	0.12
(1,1630)	1:405:A:ALA:HA	1:452:A:SER:HA	9	0.12
(1,1627)	1:402:A:PRO:HG2	1:455:A:ASN:HA	9	0.12
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB2	8	0.12
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB3	8	0.12
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB2	8	0.12
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB3	8	0.12
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB2	15	0.12
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB3	15	0.12
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB2	15	0.12
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB3	15	0.12
(1,1602)	1:434:A:ALA:HA	1:451:A:VAL:HB	17	0.12
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG11	8	0.12
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG12	8	0.12
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG13	8	0.12
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD1	20	0.12
(1,1597)	1:434:A:ALA:HA	1:450:A:PHE:HD2	20	0.12
(1,1584)	1:405:A:ALA:HB1	1:456:A:PRO:HD2	14	0.12
(1,1584)	1:405:A:ALA:HB2	1:456:A:PRO:HD2	14	0.12
(1,1584)	1:405:A:ALA:HB3	1:456:A:PRO:HD2	14	0.12
(1,1582)	1:456:A:PRO:HD3	1:458:A:SER:H	13	0.12
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	16	0.12
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE1	18	0.12
(1,1570)	1:409:A:ILE:HG12	1:425:A:PHE:HE2	18	0.12
(1,1568)	1:409:A:ILE:H	1:409:A:ILE:HG12	14	0.12
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	3	0.12
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD1	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD2	1	0.12
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD1	5	0.12
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD2	5	0.12
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD1	10	0.12
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD2	10	0.12
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD1	12	0.12
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD2	12	0.12
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD1	20	0.12
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD2	20	0.12
(1,1547)	1:416:A:PHE:HE1	1:421:A:ILE:HG13	4	0.12
(1,1547)	1:416:A:PHE:HE2	1:421:A:ILE:HG13	4	0.12
(1,1542)	1:416:A:PHE:HE1	1:421:A:ILE:HG12	10	0.12
(1,1542)	1:416:A:PHE:HE2	1:421:A:ILE:HG12	10	0.12
(1,1529)	1:399:A:LYS:HA	1:399:A:LYS:HD2	18	0.12
(1,1529)	1:399:A:LYS:HA	1:399:A:LYS:HD3	18	0.12
(1,1529)	1:399:A:LYS:HA	1:399:A:LYS:HD2	19	0.12
(1,1529)	1:399:A:LYS:HA	1:399:A:LYS:HD3	19	0.12
(1,1522)	1:410:A:TYR:HD1	1:477:A:LYS:HD2	19	0.12
(1,1522)	1:410:A:TYR:HD1	1:477:A:LYS:HD3	19	0.12
(1,1522)	1:410:A:TYR:HD2	1:477:A:LYS:HD2	19	0.12
(1,1522)	1:410:A:TYR:HD2	1:477:A:LYS:HD3	19	0.12
(1,1521)	1:477:A:LYS:HD2	1:479:A:GLN:HB2	12	0.12
(1,1521)	1:477:A:LYS:HD2	1:479:A:GLN:HB3	12	0.12
(1,1521)	1:477:A:LYS:HD3	1:479:A:GLN:HB2	12	0.12
(1,1521)	1:477:A:LYS:HD3	1:479:A:GLN:HB3	12	0.12
(1,1510)	1:441:A:GLN:HB2	1:442:A:THR:H	18	0.12
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	5	0.12
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	5	0.12
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	5	0.12
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	8	0.12
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	8	0.12
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	8	0.12
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	13	0.12
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	13	0.12
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	13	0.12
(1,1505)	1:403:A:GLU:HB2	1:404:A:GLY:H	9	0.12
(1,1504)	1:402:A:PRO:HA	1:403:A:GLU:HB2	14	0.12
(1,1482)	1:481:A:LYS:H	1:481:A:LYS:HD3	11	0.12
(1,1478)	1:402:A:PRO:HG3	1:454:A:ASP:HA	9	0.12
(1,1468)	1:402:A:PRO:HD2	1:454:A:ASP:HA	14	0.12
(1,1462)	1:432:A:ILE:H	1:454:A:ASP:HA	6	0.12
(1,1462)	1:432:A:ILE:H	1:454:A:ASP:HA	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD1	13	0.12
(1,1455)	1:466:A:MET:HA	1:469:A:PHE:HD2	13	0.12
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	1	0.12
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	2	0.12
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	5	0.12
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	8	0.12
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	13	0.12
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE1	7	0.12
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE2	7	0.12
(1,1439)	1:418:A:ASP:HB2	1:435:A:LYS:HA	18	0.12
(1,1438)	1:418:A:ASP:HA	1:435:A:LYS:HA	9	0.12
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD11	12	0.12
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD12	12	0.12
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD13	12	0.12
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD21	12	0.12
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD22	12	0.12
(1,1436)	1:439:A:ASP:HA	1:444:A:LEU:HD23	12	0.12
(1,1423)	1:462:A:ALA:HA	1:466:A:MET:HB2	18	0.12
(1,1423)	1:462:A:ALA:HA	1:466:A:MET:HB3	18	0.12
(1,1416)	1:400:A:GLU:HB2	1:401:A:GLY:HA2	9	0.12
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB2	12	0.12
(1,1405)	1:411:A:HIS:HB2	1:475:A:ARG:HB3	12	0.12
(1,1396)	1:453:A:TYR:HD1	1:459:A:ALA:HA	2	0.12
(1,1396)	1:453:A:TYR:HD2	1:459:A:ALA:HA	2	0.12
(1,1396)	1:453:A:TYR:HD1	1:459:A:ALA:HA	4	0.12
(1,1396)	1:453:A:TYR:HD2	1:459:A:ALA:HA	4	0.12
(1,1386)	1:461:A:ALA:HA	1:465:A:ALA:H	18	0.12
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG11	12	0.12
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG12	12	0.12
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG13	12	0.12
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG11	12	0.12
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG12	12	0.12
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG13	12	0.12
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG11	15	0.12
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG12	15	0.12
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG13	15	0.12
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG11	15	0.12
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG12	15	0.12
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG13	15	0.12
(1,1370)	1:442:A:THR:H	1:443:A:ASN:HA	2	0.12
(1,1370)	1:442:A:THR:H	1:443:A:ASN:HA	14	0.12
(1,1370)	1:442:A:THR:H	1:443:A:ASN:HA	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB2	8	0.12
(1,1368)	1:425:A:PHE:HE1	1:466:A:MET:HB3	8	0.12
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB2	8	0.12
(1,1368)	1:425:A:PHE:HE2	1:466:A:MET:HB3	8	0.12
(1,1366)	1:409:A:ILE:HD11	1:466:A:MET:HB2	15	0.12
(1,1366)	1:409:A:ILE:HD11	1:466:A:MET:HB3	15	0.12
(1,1366)	1:409:A:ILE:HD12	1:466:A:MET:HB2	15	0.12
(1,1366)	1:409:A:ILE:HD12	1:466:A:MET:HB3	15	0.12
(1,1366)	1:409:A:ILE:HD13	1:466:A:MET:HB2	15	0.12
(1,1366)	1:409:A:ILE:HD13	1:466:A:MET:HB3	15	0.12
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	8	0.12
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	8	0.12
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	8	0.12
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	8	0.12
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	8	0.12
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	8	0.12
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	6	0.12
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	6	0.12
(1,1357)	1:474:A:LYS:HA	1:475:A:ARG:HA	3	0.12
(1,1357)	1:474:A:LYS:HA	1:475:A:ARG:HA	12	0.12
(1,1357)	1:474:A:LYS:HA	1:475:A:ARG:HA	15	0.12
(1,1352)	1:465:A:ALA:H	1:466:A:MET:HG2	17	0.12
(1,1352)	1:465:A:ALA:H	1:466:A:MET:HG3	17	0.12
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	9	0.12
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	9	0.12
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG11	5	0.12
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG12	5	0.12
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG13	5	0.12
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG11	5	0.12
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG12	5	0.12
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG13	5	0.12
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG11	15	0.12
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG12	15	0.12
(1,1342)	1:426:A:MET:HG2	1:451:A:VAL:HG13	15	0.12
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG11	15	0.12
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG12	15	0.12
(1,1342)	1:426:A:MET:HG3	1:451:A:VAL:HG13	15	0.12
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG21	6	0.12
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG22	6	0.12
(1,1341)	1:426:A:MET:HG2	1:431:A:VAL:HG23	6	0.12
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG21	6	0.12
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG22	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1341)	1:426:A:MET:HG3	1:431:A:VAL:HG23	6	0.12
(1,1335)	1:422:A:LEU:HG	1:426:A:MET:HG2	3	0.12
(1,1335)	1:422:A:LEU:HG	1:426:A:MET:HG3	3	0.12
(1,1331)	1:466:A:MET:HB2	1:468:A:GLY:H	4	0.12
(1,1331)	1:466:A:MET:HB3	1:468:A:GLY:H	4	0.12
(1,1331)	1:466:A:MET:HB2	1:468:A:GLY:H	14	0.12
(1,1331)	1:466:A:MET:HB3	1:468:A:GLY:H	14	0.12
(1,1329)	1:409:A:ILE:HG21	1:448:A:PHE:HA	1	0.12
(1,1329)	1:409:A:ILE:HG22	1:448:A:PHE:HA	1	0.12
(1,1329)	1:409:A:ILE:HG23	1:448:A:PHE:HA	1	0.12
(1,1328)	1:412:A:LEU:HD11	1:448:A:PHE:HA	12	0.12
(1,1328)	1:412:A:LEU:HD12	1:448:A:PHE:HA	12	0.12
(1,1328)	1:412:A:LEU:HD13	1:448:A:PHE:HA	12	0.12
(1,1328)	1:412:A:LEU:HD21	1:448:A:PHE:HA	12	0.12
(1,1328)	1:412:A:LEU:HD22	1:448:A:PHE:HA	12	0.12
(1,1328)	1:412:A:LEU:HD23	1:448:A:PHE:HA	12	0.12
(1,1312)	1:472:A:GLY:HA2	1:473:A:MET:HG2	16	0.12
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	2	0.12
(1,1304)	1:473:A:MET:HG3	1:474:A:LYS:H	20	0.12
(1,1302)	1:472:A:GLY:HA3	1:473:A:MET:HG3	17	0.12
(1,1298)	1:440:A:LYS:HB2	1:443:A:ASN:HB3	13	0.12
(1,1298)	1:440:A:LYS:HB3	1:443:A:ASN:HB3	13	0.12
(1,1298)	1:440:A:LYS:HB2	1:443:A:ASN:HB3	14	0.12
(1,1298)	1:440:A:LYS:HB3	1:443:A:ASN:HB3	14	0.12
(1,1289)	1:405:A:ALA:HA	1:456:A:PRO:HB2	2	0.12
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD2	13	0.12
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD3	13	0.12
(1,1282)	1:398:A:GLN:HA	1:398:A:GLN:HG3	1	0.12
(1,1282)	1:398:A:GLN:HA	1:398:A:GLN:HG3	4	0.12
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	16	0.12
(1,1274)	1:456:A:PRO:HB2	1:457:A:VAL:H	6	0.12
(1,1271)	1:404:A:GLY:HA2	1:456:A:PRO:HB2	6	0.12
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG21	6	0.12
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG22	6	0.12
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG23	6	0.12
(1,1252)	1:431:A:VAL:HA	1:452:A:SER:HA	18	0.12
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE2	13	0.12
(1,1250)	1:484:A:LYS:HB2	1:484:A:LYS:HE3	13	0.12
(1,1249)	1:483:A:SER:HA	1:484:A:LYS:HB2	1	0.12
(1,1242)	1:483:A:SER:HB2	1:484:A:LYS:HB3	15	0.12
(1,1242)	1:483:A:SER:HB3	1:484:A:LYS:HB3	15	0.12
(1,1238)	1:451:A:VAL:HG11	1:452:A:SER:HA	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:451:A:VAL:HG12	1:452:A:SER:HA	18	0.12
(1,1238)	1:451:A:VAL:HG13	1:452:A:SER:HA	18	0.12
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	12	0.12
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	12	0.12
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	12	0.12
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD11	19	0.12
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD12	19	0.12
(1,1230)	1:399:A:LYS:HA	1:432:A:ILE:HD13	19	0.12
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG21	3	0.12
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG22	3	0.12
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG23	3	0.12
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG21	17	0.12
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG22	17	0.12
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG23	17	0.12
(1,1226)	1:399:A:LYS:HA	1:400:A:GLU:HG3	10	0.12
(1,1224)	1:436:A:VAL:HB	1:449:A:GLY:HA3	13	0.12
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	19	0.12
(1,1204)	1:477:A:LYS:HG2	1:479:A:GLN:HB2	14	0.12
(1,1204)	1:477:A:LYS:HG2	1:479:A:GLN:HB3	14	0.12
(1,1204)	1:477:A:LYS:HG3	1:479:A:GLN:HB2	14	0.12
(1,1204)	1:477:A:LYS:HG3	1:479:A:GLN:HB3	14	0.12
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG2	2	0.12
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG3	2	0.12
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG2	14	0.12
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG3	14	0.12
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG2	14	0.12
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG3	14	0.12
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG2	14	0.12
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG3	14	0.12
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG2	14	0.12
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG3	14	0.12
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG2	14	0.12
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG3	14	0.12
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG2	14	0.12
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG3	14	0.12
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG2	17	0.12
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG3	17	0.12
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG2	17	0.12
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG3	17	0.12
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG2	17	0.12
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG3	17	0.12
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG2	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG3	17	0.12
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG2	17	0.12
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG3	17	0.12
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG2	17	0.12
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG3	17	0.12
(1,1182)	1:481:A:LYS:HB2	1:482:A:ARG:H	13	0.12
(1,1180)	1:480:A:LEU:HA	1:481:A:LYS:HB3	2	0.12
(1,1178)	1:399:A:LYS:H	1:399:A:LYS:HB2	7	0.12
(1,1178)	1:399:A:LYS:H	1:399:A:LYS:HB3	7	0.12
(1,1174)	1:417:A:GLY:HA3	1:436:A:VAL:HB	6	0.12
(1,1170)	1:469:A:PHE:HD1	1:470:A:GLN:HG2	4	0.12
(1,1170)	1:469:A:PHE:HD1	1:470:A:GLN:HG3	4	0.12
(1,1170)	1:469:A:PHE:HD2	1:470:A:GLN:HG2	4	0.12
(1,1170)	1:469:A:PHE:HD2	1:470:A:GLN:HG3	4	0.12
(1,1165)	1:398:A:GLN:H	1:398:A:GLN:HG3	13	0.12
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD2	1	0.12
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD3	1	0.12
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD2	2	0.12
(1,1151)	1:467:A:ASN:HA	1:477:A:LYS:HD3	2	0.12
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD11	10	0.12
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD12	10	0.12
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD13	10	0.12
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD21	10	0.12
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD22	10	0.12
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD23	10	0.12
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD11	16	0.12
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD12	16	0.12
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD13	16	0.12
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD21	16	0.12
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD22	16	0.12
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD23	16	0.12
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB2	3	0.12
(1,1149)	1:410:A:TYR:HA	1:448:A:PHE:HB3	3	0.12
(1,1147)	1:483:A:SER:HB2	1:484:A:LYS:HA	7	0.12
(1,1147)	1:483:A:SER:HB3	1:484:A:LYS:HA	7	0.12
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG2	14	0.12
(1,1146)	1:484:A:LYS:HA	1:484:A:LYS:HG3	14	0.12
(1,1143)	1:408:A:PHE:HA	1:450:A:PHE:HA	7	0.12
(1,1134)	1:483:A:SER:H	1:484:A:LYS:HA	16	0.12
(1,1122)	1:423:A:GLN:HA	1:423:A:GLN:HG3	9	0.12
(1,1121)	1:420:A:ASP:HA	1:423:A:GLN:HG3	7	0.12
(1,1120)	1:416:A:PHE:HD1	1:420:A:ASP:HA	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1120)	1:416:A:PHE:HD2	1:420:A:ASP:HA	8	0.12
(1,1119)	1:417:A:GLY:H	1:420:A:ASP:HA	14	0.12
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	7	0.12
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	8	0.12
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	11	0.12
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	14	0.12
(1,1083)	1:441:A:GLN:HG3	1:443:A:ASN:H	12	0.12
(1,1079)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	15	0.12
(1,1072)	1:431:A:VAL:HG21	1:433:A:SER:HA	9	0.12
(1,1072)	1:431:A:VAL:HG22	1:433:A:SER:HA	9	0.12
(1,1072)	1:431:A:VAL:HG23	1:433:A:SER:HA	9	0.12
(1,1058)	1:486:A:ASP:HB2	1:487:A:SER:HA	2	0.12
(1,1052)	1:411:A:HIS:HB3	1:474:A:LYS:HB2	4	0.12
(1,1052)	1:411:A:HIS:HB3	1:474:A:LYS:HB2	5	0.12
(1,1052)	1:411:A:HIS:HB3	1:474:A:LYS:HB2	15	0.12
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG21	4	0.12
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG22	4	0.12
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG23	4	0.12
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG21	18	0.12
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG22	18	0.12
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG23	18	0.12
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	4	0.12
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	4	0.12
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	5	0.12
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	5	0.12
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	14	0.12
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	14	0.12
(1,1025)	1:419:A:GLN:HA	1:422:A:LEU:HG	10	0.12
(1,1021)	1:444:A:LEU:HD11	1:445:A:SER:HA	5	0.12
(1,1021)	1:444:A:LEU:HD12	1:445:A:SER:HA	5	0.12
(1,1021)	1:444:A:LEU:HD13	1:445:A:SER:HA	5	0.12
(1,1021)	1:444:A:LEU:HD21	1:445:A:SER:HA	5	0.12
(1,1021)	1:444:A:LEU:HD22	1:445:A:SER:HA	5	0.12
(1,1021)	1:444:A:LEU:HD23	1:445:A:SER:HA	5	0.12
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	2	0.12
(1,1011)	1:460:A:GLN:HA	1:463:A:ILE:HA	3	0.12
(1,1004)	1:402:A:PRO:HG3	1:403:A:GLU:HG3	4	0.12
(1,1002)	1:435:A:LYS:HE2	1:437:A:PHE:HA	14	0.12
(1,1002)	1:435:A:LYS:HE3	1:437:A:PHE:HA	14	0.12
(1,1002)	1:435:A:LYS:HE2	1:437:A:PHE:HA	16	0.12
(1,1002)	1:435:A:LYS:HE3	1:437:A:PHE:HA	16	0.12
(1,998)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,998)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	3	0.12
(1,998)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	12	0.12
(1,998)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	20	0.12
(1,995)	1:403:A:GLU:H	1:403:A:GLU:HG3	18	0.12
(1,982)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	8	0.12
(1,982)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	8	0.12
(1,982)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	8	0.12
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	3	0.12
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	3	0.12
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	3	0.12
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	13	0.12
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	13	0.12
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	13	0.12
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD11	4	0.12
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD12	4	0.12
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD13	4	0.12
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD11	20	0.12
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD12	20	0.12
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD13	20	0.12
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD11	16	0.12
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD12	16	0.12
(1,973)	1:401:A:GLY:H	1:432:A:ILE:HD13	16	0.12
(1,971)	1:413:A:PRO:HA	1:414:A:GLN:HA	4	0.12
(1,971)	1:413:A:PRO:HA	1:414:A:GLN:HA	17	0.12
(1,971)	1:413:A:PRO:HA	1:414:A:GLN:HA	19	0.12
(1,970)	1:414:A:GLN:HA	1:474:A:LYS:HD2	2	0.12
(1,970)	1:414:A:GLN:HA	1:474:A:LYS:HD3	2	0.12
(1,970)	1:414:A:GLN:HA	1:474:A:LYS:HD2	9	0.12
(1,970)	1:414:A:GLN:HA	1:474:A:LYS:HD3	9	0.12
(1,969)	1:430:A:ASN:HB2	1:432:A:ILE:HD11	18	0.12
(1,969)	1:430:A:ASN:HB2	1:432:A:ILE:HD12	18	0.12
(1,969)	1:430:A:ASN:HB2	1:432:A:ILE:HD13	18	0.12
(1,969)	1:430:A:ASN:HB3	1:432:A:ILE:HD11	18	0.12
(1,969)	1:430:A:ASN:HB3	1:432:A:ILE:HD12	18	0.12
(1,969)	1:430:A:ASN:HB3	1:432:A:ILE:HD13	18	0.12
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	16	0.12
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	16	0.12
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	6	0.12
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	6	0.12
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	6	0.12
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	6	0.12
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	6	0.12
(1,933)	1:435:A:LYS:HB2	1:450:A:PHE:HD1	13	0.12
(1,933)	1:435:A:LYS:HB2	1:450:A:PHE:HD2	13	0.12
(1,933)	1:435:A:LYS:HB3	1:450:A:PHE:HD1	13	0.12
(1,933)	1:435:A:LYS:HB3	1:450:A:PHE:HD2	13	0.12
(1,924)	1:400:A:GLU:HG3	1:452:A:SER:HB3	20	0.12
(1,910)	1:421:A:ILE:HD11	1:449:A:GLY:HA3	4	0.12
(1,910)	1:421:A:ILE:HD12	1:449:A:GLY:HA3	4	0.12
(1,910)	1:421:A:ILE:HD13	1:449:A:GLY:HA3	4	0.12
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD11	9	0.12
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD12	9	0.12
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD13	9	0.12
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD1	13	0.12
(1,902)	1:421:A:ILE:HD11	1:425:A:PHE:HD2	13	0.12
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD1	13	0.12
(1,902)	1:421:A:ILE:HD12	1:425:A:PHE:HD2	13	0.12
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD1	13	0.12
(1,902)	1:421:A:ILE:HD13	1:425:A:PHE:HD2	13	0.12
(1,900)	1:421:A:ILE:HD11	1:435:A:LYS:H	9	0.12
(1,900)	1:421:A:ILE:HD12	1:435:A:LYS:H	9	0.12
(1,900)	1:421:A:ILE:HD13	1:435:A:LYS:H	9	0.12
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD11	5	0.12
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD12	5	0.12
(1,890)	1:416:A:PHE:HB3	1:421:A:ILE:HD13	5	0.12
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD11	3	0.12
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD12	3	0.12
(1,887)	1:463:A:ILE:HA	1:463:A:ILE:HD13	3	0.12
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD11	5	0.12
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD12	5	0.12
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD13	5	0.12
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD11	11	0.12
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD12	11	0.12
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD13	11	0.12
(1,880)	1:463:A:ILE:HD11	1:479:A:GLN:H	12	0.12
(1,880)	1:463:A:ILE:HD12	1:479:A:GLN:H	12	0.12
(1,880)	1:463:A:ILE:HD13	1:479:A:GLN:H	12	0.12
(1,880)	1:463:A:ILE:HD11	1:479:A:GLN:H	18	0.12
(1,880)	1:463:A:ILE:HD12	1:479:A:GLN:H	18	0.12
(1,880)	1:463:A:ILE:HD13	1:479:A:GLN:H	18	0.12
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB2	2	0.12
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB3	2	0.12
(1,856)	1:471:A:ILE:HD11	1:474:A:LYS:HB3	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:471:A:ILE:HD12	1:474:A:LYS:HB3	12	0.12
(1,856)	1:471:A:ILE:HD13	1:474:A:LYS:HB3	12	0.12
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	17	0.12
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	14	0.12
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	14	0.12
(1,847)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	14	0.12
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	14	0.12
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	14	0.12
(1,847)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	14	0.12
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	16	0.12
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	16	0.12
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	16	0.12
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	16	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD11	2	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD12	2	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD13	2	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD21	2	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD22	2	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD23	2	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD11	12	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD12	12	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD13	12	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD21	12	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD22	12	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD23	12	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD11	20	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD12	20	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD13	20	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD21	20	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD22	20	0.12
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD23	20	0.12
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD11	2	0.12
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD12	2	0.12
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD13	2	0.12
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD21	2	0.12
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD22	2	0.12
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD23	2	0.12
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD11	11	0.12
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD12	11	0.12
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD13	11	0.12
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD21	11	0.12
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD22	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD23	11	0.12
(1,833)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	17	0.12
(1,831)	1:443:A:ASN:H	1:443:A:ASN:HB2	2	0.12
(1,831)	1:443:A:ASN:H	1:443:A:ASN:HB2	12	0.12
(1,831)	1:443:A:ASN:H	1:443:A:ASN:HB2	16	0.12
(1,829)	1:440:A:LYS:HA	1:443:A:ASN:HB3	8	0.12
(1,819)	1:462:A:ALA:HB1	1:463:A:ILE:HB	3	0.12
(1,819)	1:462:A:ALA:HB2	1:463:A:ILE:HB	3	0.12
(1,819)	1:462:A:ALA:HB3	1:463:A:ILE:HB	3	0.12
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	7	0.12
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	7	0.12
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	7	0.12
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	12	0.12
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	12	0.12
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	12	0.12
(1,806)	1:463:A:ILE:HB	1:467:A:ASN:HB3	7	0.12
(1,806)	1:463:A:ILE:HB	1:467:A:ASN:HB3	8	0.12
(1,806)	1:463:A:ILE:HB	1:467:A:ASN:HB3	14	0.12
(1,806)	1:463:A:ILE:HB	1:467:A:ASN:HB3	20	0.12
(1,797)	1:467:A:ASN:HB2	1:478:A:VAL:HB	20	0.12
(1,795)	1:442:A:THR:HA	1:444:A:LEU:HB3	5	0.12
(1,795)	1:442:A:THR:HA	1:444:A:LEU:HB3	6	0.12
(1,795)	1:442:A:THR:HA	1:444:A:LEU:HB3	18	0.12
(1,793)	1:422:A:LEU:HA	1:425:A:PHE:HB3	6	0.12
(1,791)	1:484:A:LYS:HG2	1:485:A:ASN:HB2	2	0.12
(1,791)	1:484:A:LYS:HG3	1:485:A:ASN:HB2	2	0.12
(1,789)	1:485:A:ASN:HB3	1:486:A:ASP:H	14	0.12
(1,787)	1:428:A:PHE:HB3	1:458:A:SER:HB3	1	0.12
(1,784)	1:436:A:VAL:HA	1:449:A:GLY:HA3	11	0.12
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	9	0.12
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	9	0.12
(1,781)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	9	0.12
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	9	0.12
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	9	0.12
(1,781)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	9	0.12
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	9	0.12
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	9	0.12
(1,781)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	9	0.12
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	5	0.12
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	5	0.12
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	5	0.12
(1,780)	1:409:A:ILE:HD11	1:451:A:VAL:HB	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:409:A:ILE:HD12	1:451:A:VAL:HB	9	0.12
(1,780)	1:409:A:ILE:HD13	1:451:A:VAL:HB	9	0.12
(1,778)	1:409:A:ILE:HD11	1:421:A:ILE:HG12	16	0.12
(1,778)	1:409:A:ILE:HD12	1:421:A:ILE:HG12	16	0.12
(1,778)	1:409:A:ILE:HD13	1:421:A:ILE:HG12	16	0.12
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	6	0.12
(1,772)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	6	0.12
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	6	0.12
(1,772)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	6	0.12
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	6	0.12
(1,772)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	6	0.12
(1,769)	1:409:A:ILE:HD11	1:450:A:PHE:H	1	0.12
(1,769)	1:409:A:ILE:HD12	1:450:A:PHE:H	1	0.12
(1,769)	1:409:A:ILE:HD13	1:450:A:PHE:H	1	0.12
(1,767)	1:409:A:ILE:HD11	1:449:A:GLY:H	10	0.12
(1,767)	1:409:A:ILE:HD12	1:449:A:GLY:H	10	0.12
(1,767)	1:409:A:ILE:HD13	1:449:A:GLY:H	10	0.12
(1,766)	1:409:A:ILE:HD11	1:450:A:PHE:HD1	18	0.12
(1,766)	1:409:A:ILE:HD11	1:450:A:PHE:HD2	18	0.12
(1,766)	1:409:A:ILE:HD12	1:450:A:PHE:HD1	18	0.12
(1,766)	1:409:A:ILE:HD12	1:450:A:PHE:HD2	18	0.12
(1,766)	1:409:A:ILE:HD13	1:450:A:PHE:HD1	18	0.12
(1,766)	1:409:A:ILE:HD13	1:450:A:PHE:HD2	18	0.12
(1,763)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	14	0.12
(1,763)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	14	0.12
(1,763)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	17	0.12
(1,763)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	17	0.12
(1,762)	1:489:A:PRO:HG2	1:490:A:TYR:HB2	1	0.12
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG11	13	0.12
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG12	13	0.12
(1,759)	1:431:A:VAL:HA	1:451:A:VAL:HG13	13	0.12
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE1	10	0.12
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE2	10	0.12
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE1	13	0.12
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE2	13	0.12
(1,754)	1:402:A:PRO:HA	1:403:A:GLU:HA	9	0.12
(1,754)	1:402:A:PRO:HA	1:403:A:GLU:HA	14	0.12
(1,753)	1:402:A:PRO:HA	1:404:A:GLY:H	20	0.12
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB1	5	0.12
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB2	5	0.12
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB3	5	0.12
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB1	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB2	16	0.12
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB3	16	0.12
(1,737)	1:437:A:PHE:HB3	1:438:A:ILE:HD11	9	0.12
(1,737)	1:437:A:PHE:HB3	1:438:A:ILE:HD12	9	0.12
(1,737)	1:437:A:PHE:HB3	1:438:A:ILE:HD13	9	0.12
(1,735)	1:412:A:LEU:HB3	1:416:A:PHE:HB3	19	0.12
(1,731)	1:412:A:LEU:HA	1:416:A:PHE:HB2	17	0.12
(1,729)	1:432:A:ILE:HA	1:453:A:TYR:HA	17	0.12
(1,728)	1:431:A:VAL:HA	1:432:A:ILE:HA	9	0.12
(1,721)	1:469:A:PHE:HD1	1:471:A:ILE:HB	17	0.12
(1,721)	1:469:A:PHE:HD2	1:471:A:ILE:HB	17	0.12
(1,720)	1:471:A:ILE:HB	1:474:A:LYS:H	12	0.12
(1,720)	1:471:A:ILE:HB	1:474:A:LYS:H	20	0.12
(1,715)	1:458:A:SER:HB2	1:461:A:ALA:HB1	20	0.12
(1,715)	1:458:A:SER:HB2	1:461:A:ALA:HB2	20	0.12
(1,715)	1:458:A:SER:HB2	1:461:A:ALA:HB3	20	0.12
(1,709)	1:429:A:GLY:HA2	1:458:A:SER:HB3	4	0.12
(1,709)	1:429:A:GLY:HA2	1:458:A:SER:HB3	14	0.12
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	7	0.12
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	7	0.12
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	7	0.12
(1,694)	1:438:A:ILE:HG21	1:444:A:LEU:H	20	0.12
(1,694)	1:438:A:ILE:HG22	1:444:A:LEU:H	20	0.12
(1,694)	1:438:A:ILE:HG23	1:444:A:LEU:H	20	0.12
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG21	6	0.12
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG22	6	0.12
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG23	6	0.12
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG21	6	0.12
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG22	6	0.12
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG23	6	0.12
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	13	0.12
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	13	0.12
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	13	0.12
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	19	0.12
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	19	0.12
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	19	0.12
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	18	0.12
(1,659)	1:489:A:PRO:HA	1:490:A:TYR:H	13	0.12
(1,642)	1:463:A:ILE:HG21	1:464:A:GLN:H	4	0.12
(1,642)	1:463:A:ILE:HG22	1:464:A:GLN:H	4	0.12
(1,642)	1:463:A:ILE:HG23	1:464:A:GLN:H	4	0.12
(1,637)	1:420:A:ASP:HB3	1:423:A:GLN:HE22	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:420:A:ASP:HB3	1:423:A:GLN:HE22	10	0.12
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG21	8	0.12
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG22	8	0.12
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG23	8	0.12
(1,634)	1:488:A:LYS:HB2	1:489:A:PRO:HA	2	0.12
(1,634)	1:488:A:LYS:HB3	1:489:A:PRO:HA	2	0.12
(1,634)	1:488:A:LYS:HB2	1:489:A:PRO:HA	4	0.12
(1,634)	1:488:A:LYS:HB3	1:489:A:PRO:HA	4	0.12
(1,634)	1:488:A:LYS:HB2	1:489:A:PRO:HA	8	0.12
(1,634)	1:488:A:LYS:HB3	1:489:A:PRO:HA	8	0.12
(1,631)	1:444:A:LEU:HD11	1:445:A:SER:HB2	16	0.12
(1,631)	1:444:A:LEU:HD12	1:445:A:SER:HB2	16	0.12
(1,631)	1:444:A:LEU:HD13	1:445:A:SER:HB2	16	0.12
(1,631)	1:444:A:LEU:HD21	1:445:A:SER:HB2	16	0.12
(1,631)	1:444:A:LEU:HD22	1:445:A:SER:HB2	16	0.12
(1,631)	1:444:A:LEU:HD23	1:445:A:SER:HB2	16	0.12
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD1	10	0.12
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD2	10	0.12
(1,626)	1:444:A:LEU:HB3	1:445:A:SER:HB3	7	0.12
(1,605)	1:408:A:PHE:HA	1:409:A:ILE:HB	10	0.12
(1,605)	1:408:A:PHE:HA	1:409:A:ILE:HB	14	0.12
(1,599)	1:409:A:ILE:HB	1:410:A:TYR:H	3	0.12
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB1	11	0.12
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB2	11	0.12
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB3	11	0.12
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB1	17	0.12
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB2	17	0.12
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB3	17	0.12
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	6	0.12
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	6	0.12
(1,571)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	6	0.12
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	6	0.12
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	6	0.12
(1,571)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	6	0.12
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	6	0.12
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	6	0.12
(1,571)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	6	0.12
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG21	17	0.12
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG22	17	0.12
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG23	17	0.12
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	9	0.12
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	9	0.12
(1,558)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	16	0.12
(1,558)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	16	0.12
(1,558)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	16	0.12
(1,555)	1:421:A:ILE:HG21	1:436:A:VAL:H	13	0.12
(1,555)	1:421:A:ILE:HG22	1:436:A:VAL:H	13	0.12
(1,555)	1:421:A:ILE:HG23	1:436:A:VAL:H	13	0.12
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	3	0.12
(1,548)	1:421:A:ILE:HA	1:424:A:MET:HB2	8	0.12
(1,548)	1:421:A:ILE:HA	1:424:A:MET:HB3	8	0.12
(1,548)	1:421:A:ILE:HA	1:424:A:MET:HB2	16	0.12
(1,548)	1:421:A:ILE:HA	1:424:A:MET:HB3	16	0.12
(1,545)	1:416:A:PHE:HD1	1:421:A:ILE:HA	19	0.12
(1,545)	1:416:A:PHE:HD2	1:421:A:ILE:HA	19	0.12
(1,540)	1:422:A:LEU:HB2	1:434:A:ALA:HA	2	0.12
(1,540)	1:422:A:LEU:HB2	1:434:A:ALA:HA	8	0.12
(1,540)	1:422:A:LEU:HB2	1:434:A:ALA:HA	9	0.12
(1,540)	1:422:A:LEU:HB2	1:434:A:ALA:HA	10	0.12
(1,537)	1:455:A:ASN:HB3	1:457:A:VAL:HB	11	0.12
(1,537)	1:455:A:ASN:HB3	1:457:A:VAL:HB	17	0.12
(1,535)	1:455:A:ASN:HB3	1:456:A:PRO:HD3	1	0.12
(1,535)	1:455:A:ASN:HB3	1:456:A:PRO:HD3	20	0.12
(1,534)	1:455:A:ASN:H	1:455:A:ASN:HB3	6	0.12
(1,522)	1:404:A:GLY:HA2	1:456:A:PRO:HA	13	0.12
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG21	11	0.12
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG22	11	0.12
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG23	11	0.12
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG21	15	0.12
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG22	15	0.12
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG23	15	0.12
(1,514)	1:435:A:LYS:HE2	1:439:A:ASP:HB2	1	0.12
(1,514)	1:435:A:LYS:HE3	1:439:A:ASP:HB2	1	0.12
(1,506)	1:477:A:LYS:HE2	1:479:A:GLN:HA	20	0.12
(1,506)	1:477:A:LYS:HE3	1:479:A:GLN:HA	20	0.12
(1,501)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	3	0.12
(1,501)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	3	0.12
(1,501)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	16	0.12
(1,501)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	16	0.12
(1,498)	1:438:A:ILE:HG21	1:440:A:LYS:HE2	4	0.12
(1,498)	1:438:A:ILE:HG21	1:440:A:LYS:HE3	4	0.12
(1,498)	1:438:A:ILE:HG22	1:440:A:LYS:HE2	4	0.12
(1,498)	1:438:A:ILE:HG22	1:440:A:LYS:HE3	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,498)	1:438:A:ILE:HG23	1:440:A:LYS:HE2	4	0.12
(1,498)	1:438:A:ILE:HG23	1:440:A:LYS:HE3	4	0.12
(1,488)	1:462:A:ALA:HB1	1:478:A:VAL:HG21	17	0.12
(1,488)	1:462:A:ALA:HB1	1:478:A:VAL:HG22	17	0.12
(1,488)	1:462:A:ALA:HB1	1:478:A:VAL:HG23	17	0.12
(1,488)	1:462:A:ALA:HB2	1:478:A:VAL:HG21	17	0.12
(1,488)	1:462:A:ALA:HB2	1:478:A:VAL:HG22	17	0.12
(1,488)	1:462:A:ALA:HB2	1:478:A:VAL:HG23	17	0.12
(1,488)	1:462:A:ALA:HB3	1:478:A:VAL:HG21	17	0.12
(1,488)	1:462:A:ALA:HB3	1:478:A:VAL:HG22	17	0.12
(1,488)	1:462:A:ALA:HB3	1:478:A:VAL:HG23	17	0.12
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	16	0.12
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	16	0.12
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	16	0.12
(1,480)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	13	0.12
(1,480)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	13	0.12
(1,480)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	13	0.12
(1,480)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	13	0.12
(1,480)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	13	0.12
(1,480)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	13	0.12
(1,478)	1:462:A:ALA:HB1	1:466:A:MET:H	6	0.12
(1,478)	1:462:A:ALA:HB2	1:466:A:MET:H	6	0.12
(1,478)	1:462:A:ALA:HB3	1:466:A:MET:H	6	0.12
(1,478)	1:462:A:ALA:HB1	1:466:A:MET:H	9	0.12
(1,478)	1:462:A:ALA:HB2	1:466:A:MET:H	9	0.12
(1,478)	1:462:A:ALA:HB3	1:466:A:MET:H	9	0.12
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE2	11	0.12
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE3	11	0.12
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE2	12	0.12
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE3	12	0.12
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE2	9	0.12
(1,469)	1:474:A:LYS:HA	1:474:A:LYS:HE3	9	0.12
(1,455)	1:438:A:ILE:HA	1:439:A:ASP:HB3	17	0.12
(1,455)	1:438:A:ILE:HA	1:439:A:ASP:HB3	20	0.12
(1,452)	1:439:A:ASP:HB3	1:440:A:LYS:HE2	18	0.12
(1,452)	1:439:A:ASP:HB3	1:440:A:LYS:HE3	18	0.12
(1,445)	1:431:A:VAL:HG21	1:433:A:SER:HB3	19	0.12
(1,445)	1:431:A:VAL:HG22	1:433:A:SER:HB3	19	0.12
(1,445)	1:431:A:VAL:HG23	1:433:A:SER:HB3	19	0.12
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	10	0.12
(1,437)	1:433:A:SER:HB3	1:452:A:SER:H	5	0.12
(1,435)	1:433:A:SER:HB3	1:450:A:PHE:HD1	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	1:433:A:SER:HB3	1:450:A:PHE:HD2	2	0.12
(1,431)	1:432:A:ILE:HB	1:433:A:SER:HB2	15	0.12
(1,425)	1:433:A:SER:HB2	1:434:A:ALA:HA	14	0.12
(1,417)	1:407:A:LEU:HD11	1:453:A:TYR:HB3	12	0.12
(1,417)	1:407:A:LEU:HD12	1:453:A:TYR:HB3	12	0.12
(1,417)	1:407:A:LEU:HD13	1:453:A:TYR:HB3	12	0.12
(1,417)	1:407:A:LEU:HD21	1:453:A:TYR:HB3	12	0.12
(1,417)	1:407:A:LEU:HD22	1:453:A:TYR:HB3	12	0.12
(1,417)	1:407:A:LEU:HD23	1:453:A:TYR:HB3	12	0.12
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB2	17	0.12
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB3	17	0.12
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB2	17	0.12
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB3	17	0.12
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB2	17	0.12
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB3	17	0.12
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB2	20	0.12
(1,411)	1:409:A:ILE:HD11	1:476:A:LEU:HB3	20	0.12
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB2	20	0.12
(1,411)	1:409:A:ILE:HD12	1:476:A:LEU:HB3	20	0.12
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB2	20	0.12
(1,411)	1:409:A:ILE:HD13	1:476:A:LEU:HB3	20	0.12
(1,398)	1:463:A:ILE:HA	1:467:A:ASN:HD22	2	0.12
(1,398)	1:463:A:ILE:HA	1:467:A:ASN:HD22	6	0.12
(1,398)	1:463:A:ILE:HA	1:467:A:ASN:HD22	14	0.12
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB2	13	0.12
(1,394)	1:457:A:VAL:HA	1:460:A:GLN:HB3	13	0.12
(1,376)	1:475:A:ARG:H	1:475:A:ARG:HD3	11	0.12
(1,376)	1:475:A:ARG:H	1:475:A:ARG:HD3	14	0.12
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	1	0.12
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	1	0.12
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	1	0.12
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	1	0.12
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	1	0.12
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	1	0.12
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	1	0.12
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	1	0.12
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	1	0.12
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	16	0.12
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	16	0.12
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	16	0.12
(1,341)	1:444:A:LEU:HB2	1:445:A:SER:HB2	6	0.12
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	14	0.12
(1,340)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	14	0.12
(1,329)	1:407:A:LEU:H	1:451:A:VAL:HG11	3	0.12
(1,329)	1:407:A:LEU:H	1:451:A:VAL:HG12	3	0.12
(1,329)	1:407:A:LEU:H	1:451:A:VAL:HG13	3	0.12
(1,323)	1:442:A:THR:HB	1:444:A:LEU:HB2	2	0.12
(1,323)	1:442:A:THR:HB	1:444:A:LEU:HB2	11	0.12
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	2	0.12
(1,312)	1:435:A:LYS:HG2	1:450:A:PHE:HB3	9	0.12
(1,290)	1:436:A:VAL:HG11	1:450:A:PHE:H	16	0.12
(1,290)	1:436:A:VAL:HG12	1:450:A:PHE:H	16	0.12
(1,290)	1:436:A:VAL:HG13	1:450:A:PHE:H	16	0.12
(1,286)	1:431:A:VAL:HG21	1:434:A:ALA:HB1	12	0.12
(1,286)	1:431:A:VAL:HG21	1:434:A:ALA:HB2	12	0.12
(1,286)	1:431:A:VAL:HG21	1:434:A:ALA:HB3	12	0.12
(1,286)	1:431:A:VAL:HG22	1:434:A:ALA:HB1	12	0.12
(1,286)	1:431:A:VAL:HG22	1:434:A:ALA:HB2	12	0.12
(1,286)	1:431:A:VAL:HG22	1:434:A:ALA:HB3	12	0.12
(1,286)	1:431:A:VAL:HG23	1:434:A:ALA:HB1	12	0.12
(1,286)	1:431:A:VAL:HG23	1:434:A:ALA:HB2	12	0.12
(1,286)	1:431:A:VAL:HG23	1:434:A:ALA:HB3	12	0.12
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	14	0.12
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	14	0.12
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	14	0.12
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	19	0.12
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	19	0.12
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	19	0.12
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	2	0.12
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	2	0.12
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	2	0.12
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	13	0.12
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	13	0.12
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	13	0.12
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	4	0.12
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	4	0.12
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	4	0.12
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB1	6	0.12
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB2	6	0.12
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB3	6	0.12
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG11	7	0.12
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG12	7	0.12
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG13	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG11	7	0.12
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG12	7	0.12
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG13	7	0.12
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG11	7	0.12
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG12	7	0.12
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG13	7	0.12
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG11	5	0.12
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG12	5	0.12
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG13	5	0.12
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG11	6	0.12
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG12	6	0.12
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG13	6	0.12
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG11	9	0.12
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG12	9	0.12
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG13	9	0.12
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	4	0.12
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	4	0.12
(1,253)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	4	0.12
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	4	0.12
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	4	0.12
(1,253)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	4	0.12
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	7	0.12
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	7	0.12
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	7	0.12
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	15	0.12
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	15	0.12
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	15	0.12
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	8	0.12
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	8	0.12
(1,240)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	8	0.12
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	14	0.12
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	14	0.12
(1,238)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	14	0.12
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG21	4	0.12
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG22	4	0.12
(1,232)	1:425:A:PHE:H	1:451:A:VAL:HG23	4	0.12
(1,229)	1:451:A:VAL:HG21	1:452:A:SER:H	5	0.12
(1,229)	1:451:A:VAL:HG22	1:452:A:SER:H	5	0.12
(1,229)	1:451:A:VAL:HG23	1:452:A:SER:H	5	0.12
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE1	10	0.12
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE2	10	0.12
(1,217)	1:429:A:GLY:HA3	1:455:A:ASN:HD21	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,204)	1:457:A:VAL:HG11	1:459:A:ALA:H	4	0.12
(1,204)	1:457:A:VAL:HG12	1:459:A:ALA:H	4	0.12
(1,204)	1:457:A:VAL:HG13	1:459:A:ALA:H	4	0.12
(1,204)	1:457:A:VAL:HG21	1:459:A:ALA:H	4	0.12
(1,204)	1:457:A:VAL:HG22	1:459:A:ALA:H	4	0.12
(1,204)	1:457:A:VAL:HG23	1:459:A:ALA:H	4	0.12
(1,204)	1:457:A:VAL:HG11	1:459:A:ALA:H	5	0.12
(1,204)	1:457:A:VAL:HG12	1:459:A:ALA:H	5	0.12
(1,204)	1:457:A:VAL:HG13	1:459:A:ALA:H	5	0.12
(1,204)	1:457:A:VAL:HG21	1:459:A:ALA:H	5	0.12
(1,204)	1:457:A:VAL:HG22	1:459:A:ALA:H	5	0.12
(1,204)	1:457:A:VAL:HG23	1:459:A:ALA:H	5	0.12
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG11	8	0.12
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG12	8	0.12
(1,180)	1:431:A:VAL:HA	1:431:A:VAL:HG13	8	0.12
(1,179)	1:426:A:MET:HA	1:431:A:VAL:HG11	14	0.12
(1,179)	1:426:A:MET:HA	1:431:A:VAL:HG12	14	0.12
(1,179)	1:426:A:MET:HA	1:431:A:VAL:HG13	14	0.12
(1,172)	1:431:A:VAL:HG11	1:432:A:ILE:H	19	0.12
(1,172)	1:431:A:VAL:HG12	1:432:A:ILE:H	19	0.12
(1,172)	1:431:A:VAL:HG13	1:432:A:ILE:H	19	0.12
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD11	12	0.12
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD12	12	0.12
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD13	12	0.12
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD21	12	0.12
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD22	12	0.12
(1,145)	1:468:A:GLY:H	1:476:A:LEU:HD23	12	0.12
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD11	11	0.12
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD12	11	0.12
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD13	11	0.12
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD21	11	0.12
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD22	11	0.12
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD23	11	0.12
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD11	7	0.12
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD12	7	0.12
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD13	7	0.12
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD21	7	0.12
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD22	7	0.12
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD23	7	0.12
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD11	19	0.12
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD12	19	0.12
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD13	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD21	19	0.12
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD22	19	0.12
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD23	19	0.12
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	8	0.12
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	8	0.12
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	8	0.12
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	8	0.12
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	8	0.12
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	8	0.12
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	8	0.12
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	8	0.12
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	8	0.12
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	8	0.12
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	8	0.12
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	8	0.12
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	8	0.12
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	8	0.12
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	8	0.12
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	8	0.12
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	8	0.12
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	8	0.12
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	11	0.12
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	11	0.12
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	11	0.12
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	11	0.12
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	11	0.12
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	11	0.12
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	11	0.12
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	11	0.12
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	11	0.12
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	11	0.12
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	11	0.12
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	11	0.12
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	11	0.12
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	11	0.12
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	11	0.12
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	11	0.12
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	11	0.12
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	11	0.12
(1,127)	1:467:A:ASN:HA	1:478:A:VAL:HG21	13	0.12
(1,127)	1:467:A:ASN:HA	1:478:A:VAL:HG22	13	0.12
(1,127)	1:467:A:ASN:HA	1:478:A:VAL:HG23	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:442:A:THR:HG21	1:444:A:LEU:HG	10	0.12
(1,117)	1:442:A:THR:HG22	1:444:A:LEU:HG	10	0.12
(1,117)	1:442:A:THR:HG23	1:444:A:LEU:HG	10	0.12
(1,116)	1:422:A:LEU:HD11	1:451:A:VAL:HG11	1	0.12
(1,116)	1:422:A:LEU:HD11	1:451:A:VAL:HG12	1	0.12
(1,116)	1:422:A:LEU:HD11	1:451:A:VAL:HG13	1	0.12
(1,116)	1:422:A:LEU:HD12	1:451:A:VAL:HG11	1	0.12
(1,116)	1:422:A:LEU:HD12	1:451:A:VAL:HG12	1	0.12
(1,116)	1:422:A:LEU:HD12	1:451:A:VAL:HG13	1	0.12
(1,116)	1:422:A:LEU:HD13	1:451:A:VAL:HG11	1	0.12
(1,116)	1:422:A:LEU:HD13	1:451:A:VAL:HG12	1	0.12
(1,116)	1:422:A:LEU:HD13	1:451:A:VAL:HG13	1	0.12
(1,116)	1:422:A:LEU:HD21	1:451:A:VAL:HG11	1	0.12
(1,116)	1:422:A:LEU:HD21	1:451:A:VAL:HG12	1	0.12
(1,116)	1:422:A:LEU:HD21	1:451:A:VAL:HG13	1	0.12
(1,116)	1:422:A:LEU:HD22	1:451:A:VAL:HG11	1	0.12
(1,116)	1:422:A:LEU:HD22	1:451:A:VAL:HG12	1	0.12
(1,116)	1:422:A:LEU:HD22	1:451:A:VAL:HG13	1	0.12
(1,116)	1:422:A:LEU:HD23	1:451:A:VAL:HG11	1	0.12
(1,116)	1:422:A:LEU:HD23	1:451:A:VAL:HG12	1	0.12
(1,116)	1:422:A:LEU:HD23	1:451:A:VAL:HG13	1	0.12
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD11	6	0.12
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD12	6	0.12
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD13	6	0.12
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD21	6	0.12
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD22	6	0.12
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD23	6	0.12
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD11	12	0.12
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD12	12	0.12
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD13	12	0.12
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD21	12	0.12
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD22	12	0.12
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD23	12	0.12
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG2	13	0.12
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG3	13	0.12
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	1	0.12
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	1	0.12
(1,55)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	1	0.12
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	1	0.12
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	1	0.12
(1,55)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	1	0.12
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	1	0.12
(1,55)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	1	0.12
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	1	0.12
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	1	0.12
(1,55)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	1	0.12
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	1	0.12
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	1	0.12
(1,55)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	1	0.12
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	1	0.12
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	1	0.12
(1,55)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	1	0.12
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD11	10	0.12
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD12	10	0.12
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD13	10	0.12
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD21	10	0.12
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD22	10	0.12
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD23	10	0.12
(1,38)	1:409:A:ILE:HG13	1:476:A:LEU:HG	8	0.12
(1,38)	1:409:A:ILE:HG13	1:476:A:LEU:HG	14	0.12
(1,37)	1:469:A:PHE:HB3	1:476:A:LEU:HG	2	0.12
(1,34)	1:468:A:GLY:H	1:476:A:LEU:HG	1	0.12
(1,31)	1:402:A:PRO:HD3	1:455:A:ASN:H	11	0.12
(1,27)	1:402:A:PRO:HD3	1:455:A:ASN:HA	7	0.12
(1,27)	1:402:A:PRO:HD3	1:455:A:ASN:HA	17	0.12
(1,22)	1:400:A:GLU:HB2	1:402:A:PRO:HD2	6	0.12
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB1	2	0.12
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB2	2	0.12
(1,14)	1:407:A:LEU:HG	1:462:A:ALA:HB3	2	0.12
(1,10)	1:407:A:LEU:H	1:407:A:LEU:HG	14	0.12
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	2	0.12
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	9	0.11
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	9	0.11
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	9	0.11
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	9	0.11
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	9	0.11
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	9	0.11
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	15	0.11
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	15	0.11
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	15	0.11
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	15	0.11
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	15	0.11
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	18	0.11
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	18	0.11
(1,2432)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	18	0.11
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	18	0.11
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	18	0.11
(1,2432)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	18	0.11
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE1	14	0.11
(1,2429)	1:428:A:PHE:HD1	1:453:A:TYR:HE2	14	0.11
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE1	14	0.11
(1,2429)	1:428:A:PHE:HD2	1:453:A:TYR:HE2	14	0.11
(1,2426)	1:453:A:TYR:HA	1:453:A:TYR:HE1	6	0.11
(1,2426)	1:453:A:TYR:HA	1:453:A:TYR:HE2	6	0.11
(1,2426)	1:453:A:TYR:HA	1:453:A:TYR:HE1	9	0.11
(1,2426)	1:453:A:TYR:HA	1:453:A:TYR:HE2	9	0.11
(1,2426)	1:453:A:TYR:HA	1:453:A:TYR:HE1	16	0.11
(1,2426)	1:453:A:TYR:HA	1:453:A:TYR:HE2	16	0.11
(1,2424)	1:411:A:HIS:HD2	1:477:A:LYS:HB2	12	0.11
(1,2424)	1:411:A:HIS:HD2	1:477:A:LYS:HB3	12	0.11
(1,2420)	1:412:A:LEU:HG	1:416:A:PHE:HD1	13	0.11
(1,2420)	1:412:A:LEU:HG	1:416:A:PHE:HD2	13	0.11
(1,2417)	1:416:A:PHE:HD1	1:417:A:GLY:H	11	0.11
(1,2417)	1:416:A:PHE:HD2	1:417:A:GLY:H	11	0.11
(1,2410)	1:408:A:PHE:HE1	1:450:A:PHE:HE1	5	0.11
(1,2410)	1:408:A:PHE:HE1	1:450:A:PHE:HE2	5	0.11
(1,2410)	1:408:A:PHE:HE2	1:450:A:PHE:HE1	5	0.11
(1,2410)	1:408:A:PHE:HE2	1:450:A:PHE:HE2	5	0.11
(1,2409)	1:408:A:PHE:HE1	1:452:A:SER:H	12	0.11
(1,2409)	1:408:A:PHE:HE2	1:452:A:SER:H	12	0.11
(1,2409)	1:408:A:PHE:HE1	1:452:A:SER:H	20	0.11
(1,2409)	1:408:A:PHE:HE2	1:452:A:SER:H	20	0.11
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	18	0.11
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	18	0.11
(1,2408)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	18	0.11
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	18	0.11
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	18	0.11
(1,2408)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	18	0.11
(1,2407)	1:428:A:PHE:HA	1:428:A:PHE:HD1	10	0.11
(1,2407)	1:428:A:PHE:HA	1:428:A:PHE:HD2	10	0.11
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD1	13	0.11
(1,2404)	1:427:A:PRO:HB2	1:428:A:PHE:HD2	13	0.11
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD1	13	0.11
(1,2404)	1:427:A:PRO:HB3	1:428:A:PHE:HD2	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG12	7	0.11
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG13	7	0.11
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG12	7	0.11
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG13	7	0.11
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG12	19	0.11
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG13	19	0.11
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG12	19	0.11
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG13	19	0.11
(1,2390)	1:416:A:PHE:HE1	1:420:A:ASP:HB2	8	0.11
(1,2390)	1:416:A:PHE:HE2	1:420:A:ASP:HB2	8	0.11
(1,2387)	1:416:A:PHE:HE1	1:421:A:ILE:HA	3	0.11
(1,2387)	1:416:A:PHE:HE2	1:421:A:ILE:HA	3	0.11
(1,2387)	1:416:A:PHE:HE1	1:421:A:ILE:HA	4	0.11
(1,2387)	1:416:A:PHE:HE2	1:421:A:ILE:HA	4	0.11
(1,2387)	1:416:A:PHE:HE1	1:421:A:ILE:HA	5	0.11
(1,2387)	1:416:A:PHE:HE2	1:421:A:ILE:HA	5	0.11
(1,2387)	1:416:A:PHE:HE1	1:421:A:ILE:HA	11	0.11
(1,2387)	1:416:A:PHE:HE2	1:421:A:ILE:HA	11	0.11
(1,2387)	1:416:A:PHE:HE1	1:421:A:ILE:HA	16	0.11
(1,2387)	1:416:A:PHE:HE2	1:421:A:ILE:HA	16	0.11
(1,2386)	1:450:A:PHE:HD1	1:451:A:VAL:H	19	0.11
(1,2386)	1:450:A:PHE:HD2	1:451:A:VAL:H	19	0.11
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD1	1	0.11
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD2	1	0.11
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD1	3	0.11
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD2	3	0.11
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD1	15	0.11
(1,2371)	1:469:A:PHE:HA	1:469:A:PHE:HD2	15	0.11
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE1	13	0.11
(1,2370)	1:428:A:PHE:H	1:428:A:PHE:HE2	13	0.11
(1,2365)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	4	0.11
(1,2365)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	4	0.11
(1,2365)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	4	0.11
(1,2365)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	4	0.11
(1,2365)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	4	0.11
(1,2365)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	4	0.11
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD1	11	0.11
(1,2357)	1:452:A:SER:HA	1:453:A:TYR:HD2	11	0.11
(1,2351)	1:424:A:MET:HB2	1:425:A:PHE:HD1	17	0.11
(1,2351)	1:424:A:MET:HB2	1:425:A:PHE:HD2	17	0.11
(1,2351)	1:424:A:MET:HB3	1:425:A:PHE:HD1	17	0.11
(1,2351)	1:424:A:MET:HB3	1:425:A:PHE:HD2	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2350)	1:421:A:ILE:HA	1:425:A:PHE:HD1	12	0.11
(1,2350)	1:421:A:ILE:HA	1:425:A:PHE:HD2	12	0.11
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD1	8	0.11
(1,2347)	1:412:A:LEU:HD11	1:448:A:PHE:HD2	8	0.11
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD1	8	0.11
(1,2347)	1:412:A:LEU:HD12	1:448:A:PHE:HD2	8	0.11
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD1	8	0.11
(1,2347)	1:412:A:LEU:HD13	1:448:A:PHE:HD2	8	0.11
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD1	8	0.11
(1,2347)	1:412:A:LEU:HD21	1:448:A:PHE:HD2	8	0.11
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD1	8	0.11
(1,2347)	1:412:A:LEU:HD22	1:448:A:PHE:HD2	8	0.11
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD1	8	0.11
(1,2347)	1:412:A:LEU:HD23	1:448:A:PHE:HD2	8	0.11
(1,2343)	1:410:A:TYR:HE1	1:448:A:PHE:HD1	18	0.11
(1,2343)	1:410:A:TYR:HE1	1:448:A:PHE:HD2	18	0.11
(1,2343)	1:410:A:TYR:HE2	1:448:A:PHE:HD1	18	0.11
(1,2343)	1:410:A:TYR:HE2	1:448:A:PHE:HD2	18	0.11
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	8	0.11
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	8	0.11
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	8	0.11
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	8	0.11
(1,2330)	1:428:A:PHE:HB3	1:429:A:GLY:H	19	0.11
(1,2321)	1:412:A:LEU:HD11	1:449:A:GLY:H	9	0.11
(1,2321)	1:412:A:LEU:HD12	1:449:A:GLY:H	9	0.11
(1,2321)	1:412:A:LEU:HD13	1:449:A:GLY:H	9	0.11
(1,2321)	1:412:A:LEU:HD21	1:449:A:GLY:H	9	0.11
(1,2321)	1:412:A:LEU:HD22	1:449:A:GLY:H	9	0.11
(1,2321)	1:412:A:LEU:HD23	1:449:A:GLY:H	9	0.11
(1,2321)	1:412:A:LEU:HD11	1:449:A:GLY:H	12	0.11
(1,2321)	1:412:A:LEU:HD12	1:449:A:GLY:H	12	0.11
(1,2321)	1:412:A:LEU:HD13	1:449:A:GLY:H	12	0.11
(1,2321)	1:412:A:LEU:HD21	1:449:A:GLY:H	12	0.11
(1,2321)	1:412:A:LEU:HD22	1:449:A:GLY:H	12	0.11
(1,2321)	1:412:A:LEU:HD23	1:449:A:GLY:H	12	0.11
(1,2309)	1:400:A:GLU:HB3	1:401:A:GLY:H	1	0.11
(1,2293)	1:414:A:GLN:HE22	1:416:A:PHE:HA	6	0.11
(1,2286)	1:456:A:PRO:HB2	1:460:A:GLN:HE22	8	0.11
(1,2278)	1:464:A:GLN:HG2	1:464:A:GLN:HE22	16	0.11
(1,2278)	1:464:A:GLN:HG3	1:464:A:GLN:HE22	16	0.11
(1,2275)	1:419:A:GLN:H	1:419:A:GLN:HE22	1	0.11
(1,2275)	1:419:A:GLN:H	1:419:A:GLN:HE22	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB2	3	0.11
(1,2262)	1:411:A:HIS:H	1:448:A:PHE:HB3	3	0.11
(1,2246)	1:445:A:SER:HB2	1:479:A:GLN:HE21	7	0.11
(1,2245)	1:445:A:SER:HB3	1:479:A:GLN:HE21	20	0.11
(1,2233)	1:484:A:LYS:HG2	1:485:A:ASN:HD22	7	0.11
(1,2233)	1:484:A:LYS:HG3	1:485:A:ASN:HD22	7	0.11
(1,2233)	1:484:A:LYS:HG2	1:485:A:ASN:HD22	9	0.11
(1,2233)	1:484:A:LYS:HG3	1:485:A:ASN:HD22	9	0.11
(1,2233)	1:484:A:LYS:HG2	1:485:A:ASN:HD22	15	0.11
(1,2233)	1:484:A:LYS:HG3	1:485:A:ASN:HD22	15	0.11
(1,2232)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	10	0.11
(1,2231)	1:417:A:GLY:H	1:419:A:GLN:H	11	0.11
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	4	0.11
(1,2227)	1:454:A:ASP:H	1:454:A:ASP:HB3	16	0.11
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG21	19	0.11
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG22	19	0.11
(1,2222)	1:417:A:GLY:H	1:436:A:VAL:HG23	19	0.11
(1,2209)	1:430:A:ASN:HD21	1:454:A:ASP:HB2	16	0.11
(1,2206)	1:430:A:ASN:H	1:430:A:ASN:HD21	12	0.11
(1,2190)	1:454:A:ASP:HB3	1:455:A:ASN:H	4	0.11
(1,2180)	1:410:A:TYR:HA	1:412:A:LEU:H	4	0.11
(1,2168)	1:455:A:ASN:HD21	1:457:A:VAL:H	18	0.11
(1,2162)	1:455:A:ASN:HD22	1:458:A:SER:HB3	5	0.11
(1,2156)	1:414:A:GLN:HG3	1:415:A:GLU:H	13	0.11
(1,2156)	1:414:A:GLN:HG3	1:415:A:GLU:H	19	0.11
(1,2148)	1:404:A:GLY:HA3	1:406:A:ASN:H	13	0.11
(1,2139)	1:444:A:LEU:HA	1:445:A:SER:H	1	0.11
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB2	15	0.11
(1,2128)	1:423:A:GLN:H	1:423:A:GLN:HB3	15	0.11
(1,2125)	1:420:A:ASP:HA	1:423:A:GLN:H	4	0.11
(1,2117)	1:458:A:SER:HA	1:460:A:GLN:H	7	0.11
(1,2109)	1:419:A:GLN:H	1:420:A:ASP:H	4	0.11
(1,2105)	1:420:A:ASP:HB3	1:421:A:ILE:H	17	0.11
(1,2104)	1:418:A:ASP:HA	1:421:A:ILE:H	17	0.11
(1,2093)	1:464:A:GLN:H	1:465:A:ALA:H	18	0.11
(1,2093)	1:464:A:GLN:H	1:465:A:ALA:H	20	0.11
(1,2091)	1:442:A:THR:HG21	1:443:A:ASN:H	11	0.11
(1,2091)	1:442:A:THR:HG22	1:443:A:ASN:H	11	0.11
(1,2091)	1:442:A:THR:HG23	1:443:A:ASN:H	11	0.11
(1,2091)	1:442:A:THR:HG21	1:443:A:ASN:H	20	0.11
(1,2091)	1:442:A:THR:HG22	1:443:A:ASN:H	20	0.11
(1,2091)	1:442:A:THR:HG23	1:443:A:ASN:H	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2083)	1:463:A:ILE:HB	1:465:A:ALA:H	7	0.11
(1,2083)	1:463:A:ILE:HB	1:465:A:ALA:H	20	0.11
(1,2082)	1:462:A:ALA:HA	1:465:A:ALA:H	1	0.11
(1,2072)	1:441:A:GLN:H	1:443:A:ASN:H	11	0.11
(1,2072)	1:441:A:GLN:H	1:443:A:ASN:H	17	0.11
(1,2069)	1:417:A:GLY:H	1:420:A:ASP:H	15	0.11
(1,2064)	1:430:A:ASN:H	1:430:A:ASN:HB2	3	0.11
(1,2064)	1:430:A:ASN:H	1:430:A:ASN:HB3	3	0.11
(1,2064)	1:430:A:ASN:H	1:430:A:ASN:HB2	14	0.11
(1,2064)	1:430:A:ASN:H	1:430:A:ASN:HB3	14	0.11
(1,2053)	1:405:A:ALA:HB1	1:406:A:ASN:HD21	5	0.11
(1,2053)	1:405:A:ALA:HB2	1:406:A:ASN:HD21	5	0.11
(1,2053)	1:405:A:ALA:HB3	1:406:A:ASN:HD21	5	0.11
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	8	0.11
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	16	0.11
(1,2052)	1:400:A:GLU:HA	1:406:A:ASN:HD21	19	0.11
(1,2045)	1:444:A:LEU:H	1:444:A:LEU:HB2	19	0.11
(1,2044)	1:444:A:LEU:H	1:444:A:LEU:HB3	1	0.11
(1,2044)	1:444:A:LEU:H	1:444:A:LEU:HB3	4	0.11
(1,2044)	1:444:A:LEU:H	1:444:A:LEU:HB3	11	0.11
(1,2044)	1:444:A:LEU:H	1:444:A:LEU:HB3	14	0.11
(1,2042)	1:443:A:ASN:HD22	1:444:A:LEU:H	18	0.11
(1,2040)	1:443:A:ASN:H	1:444:A:LEU:H	15	0.11
(1,2031)	1:482:A:ARG:HB3	1:483:A:SER:H	7	0.11
(1,2031)	1:482:A:ARG:HB3	1:483:A:SER:H	8	0.11
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	15	0.11
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	16	0.11
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG21	7	0.11
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG22	7	0.11
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG23	7	0.11
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG21	10	0.11
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG22	10	0.11
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG23	10	0.11
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG21	15	0.11
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG22	15	0.11
(1,2015)	1:408:A:PHE:H	1:478:A:VAL:HG23	15	0.11
(1,2004)	1:463:A:ILE:HG21	1:467:A:ASN:H	12	0.11
(1,2004)	1:463:A:ILE:HG22	1:467:A:ASN:H	12	0.11
(1,2004)	1:463:A:ILE:HG23	1:467:A:ASN:H	12	0.11
(1,1995)	1:402:A:PRO:HB2	1:403:A:GLU:H	2	0.11
(1,1995)	1:402:A:PRO:HB3	1:403:A:GLU:H	2	0.11
(1,1995)	1:402:A:PRO:HB2	1:403:A:GLU:H	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:402:A:PRO:HB3	1:403:A:GLU:H	15	0.11
(1,1976)	1:474:A:LYS:HB3	1:475:A:ARG:H	15	0.11
(1,1975)	1:470:A:GLN:HG2	1:475:A:ARG:H	5	0.11
(1,1975)	1:470:A:GLN:HG3	1:475:A:ARG:H	5	0.11
(1,1974)	1:411:A:HIS:HB3	1:475:A:ARG:H	6	0.11
(1,1970)	1:475:A:ARG:H	1:476:A:LEU:H	9	0.11
(1,1970)	1:475:A:ARG:H	1:476:A:LEU:H	11	0.11
(1,1970)	1:475:A:ARG:H	1:476:A:LEU:H	15	0.11
(1,1965)	1:405:A:ALA:H	1:406:A:ASN:HB3	8	0.11
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE1	14	0.11
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE2	14	0.11
(1,1946)	1:455:A:ASN:HB3	1:457:A:VAL:H	8	0.11
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	10	0.11
(1,1943)	1:456:A:PRO:HD3	1:457:A:VAL:H	14	0.11
(1,1941)	1:457:A:VAL:H	1:459:A:ALA:H	7	0.11
(1,1941)	1:457:A:VAL:H	1:459:A:ALA:H	20	0.11
(1,1936)	1:486:A:ASP:H	1:486:A:ASP:HB2	10	0.11
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	4	0.11
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	4	0.11
(1,1932)	1:435:A:LYS:H	1:435:A:LYS:HG2	4	0.11
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB2	15	0.11
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB3	15	0.11
(1,1928)	1:435:A:LYS:H	1:451:A:VAL:HA	20	0.11
(1,1914)	1:399:A:LYS:HB2	1:400:A:GLU:H	18	0.11
(1,1914)	1:399:A:LYS:HB3	1:400:A:GLU:H	18	0.11
(1,1885)	1:462:A:ALA:H	1:464:A:GLN:H	16	0.11
(1,1870)	1:398:A:GLN:H	1:399:A:LYS:H	16	0.11
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD11	2	0.11
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD12	2	0.11
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD13	2	0.11
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD11	4	0.11
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD12	4	0.11
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD13	4	0.11
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD11	5	0.11
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD12	5	0.11
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD13	5	0.11
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD11	8	0.11
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD12	8	0.11
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD13	8	0.11
(1,1856)	1:479:A:GLN:H	1:480:A:LEU:H	12	0.11
(1,1854)	1:422:A:LEU:H	1:422:A:LEU:HB2	5	0.11
(1,1854)	1:422:A:LEU:H	1:422:A:LEU:HB2	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD11	10	0.11
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD12	10	0.11
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD13	10	0.11
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD21	10	0.11
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD22	10	0.11
(1,1845)	1:480:A:LEU:H	1:480:A:LEU:HD23	10	0.11
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB2	11	0.11
(1,1843)	1:480:A:LEU:H	1:480:A:LEU:HB3	11	0.11
(1,1841)	1:480:A:LEU:H	1:481:A:LYS:H	11	0.11
(1,1841)	1:480:A:LEU:H	1:481:A:LYS:H	17	0.11
(1,1831)	1:407:A:LEU:H	1:453:A:TYR:H	10	0.11
(1,1828)	1:409:A:ILE:HD11	1:410:A:TYR:H	1	0.11
(1,1828)	1:409:A:ILE:HD12	1:410:A:TYR:H	1	0.11
(1,1828)	1:409:A:ILE:HD13	1:410:A:TYR:H	1	0.11
(1,1828)	1:409:A:ILE:HD11	1:410:A:TYR:H	16	0.11
(1,1828)	1:409:A:ILE:HD12	1:410:A:TYR:H	16	0.11
(1,1828)	1:409:A:ILE:HD13	1:410:A:TYR:H	16	0.11
(1,1827)	1:410:A:TYR:H	1:477:A:LYS:HB2	9	0.11
(1,1827)	1:410:A:TYR:H	1:477:A:LYS:HB3	9	0.11
(1,1827)	1:410:A:TYR:H	1:477:A:LYS:HB2	14	0.11
(1,1827)	1:410:A:TYR:H	1:477:A:LYS:HB3	14	0.11
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB2	12	0.11
(1,1819)	1:422:A:LEU:H	1:423:A:GLN:HB3	12	0.11
(1,1815)	1:469:A:PHE:H	1:476:A:LEU:HA	1	0.11
(1,1801)	1:410:A:TYR:HB2	1:477:A:LYS:H	7	0.11
(1,1778)	1:434:A:ALA:H	1:435:A:LYS:HG2	15	0.11
(1,1769)	1:446:A:LYS:H	1:447:A:CYS:H	1	0.11
(1,1769)	1:446:A:LYS:H	1:447:A:CYS:H	9	0.11
(1,1769)	1:446:A:LYS:H	1:447:A:CYS:H	10	0.11
(1,1768)	1:414:A:GLN:H	1:474:A:LYS:HD2	2	0.11
(1,1768)	1:414:A:GLN:H	1:474:A:LYS:HD3	2	0.11
(1,1759)	1:471:A:ILE:H	1:476:A:LEU:H	6	0.11
(1,1755)	1:439:A:ASP:H	1:440:A:LYS:HG2	15	0.11
(1,1755)	1:439:A:ASP:H	1:440:A:LYS:HG3	15	0.11
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	12	0.11
(1,1741)	1:439:A:ASP:HB2	1:440:A:LYS:H	16	0.11
(1,1733)	1:424:A:MET:HA	1:426:A:MET:H	7	0.11
(1,1719)	1:469:A:PHE:HE1	1:470:A:GLN:H	12	0.11
(1,1719)	1:469:A:PHE:HE2	1:470:A:GLN:H	12	0.11
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE2	16	0.11
(1,1705)	1:438:A:ILE:HG12	1:440:A:LYS:HE3	16	0.11
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE2	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1705)	1:438:A:ILE:HG13	1:440:A:LYS:HE3	16	0.11
(1,1696)	1:422:A:LEU:HG	1:426:A:MET:HB2	16	0.11
(1,1696)	1:422:A:LEU:HG	1:426:A:MET:HB3	16	0.11
(1,1695)	1:402:A:PRO:HG3	1:405:A:ALA:H	14	0.11
(1,1691)	1:432:A:ILE:HG12	1:452:A:SER:HB2	20	0.11
(1,1691)	1:432:A:ILE:HG13	1:452:A:SER:HB2	20	0.11
(1,1689)	1:432:A:ILE:HG12	1:452:A:SER:HB3	9	0.11
(1,1689)	1:432:A:ILE:HG13	1:452:A:SER:HB3	9	0.11
(1,1687)	1:422:A:LEU:HG	1:423:A:GLN:HA	12	0.11
(1,1687)	1:422:A:LEU:HG	1:423:A:GLN:HA	18	0.11
(1,1686)	1:422:A:LEU:HG	1:423:A:GLN:H	2	0.11
(1,1686)	1:422:A:LEU:HG	1:423:A:GLN:H	9	0.11
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD11	10	0.11
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD12	10	0.11
(1,1680)	1:402:A:PRO:HG3	1:432:A:ILE:HD13	10	0.11
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	9	0.11
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	9	0.11
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	9	0.11
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	9	0.11
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	9	0.11
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	9	0.11
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	9	0.11
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	9	0.11
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	9	0.11
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	9	0.11
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	9	0.11
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	9	0.11
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	14	0.11
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	14	0.11
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	14	0.11
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	14	0.11
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	14	0.11
(1,1673)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	14	0.11
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	14	0.11
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	14	0.11
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	14	0.11
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	14	0.11
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	14	0.11
(1,1673)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	14	0.11
(1,1672)	1:405:A:ALA:HB1	1:456:A:PRO:HG2	7	0.11
(1,1672)	1:405:A:ALA:HB1	1:456:A:PRO:HG3	7	0.11
(1,1672)	1:405:A:ALA:HB2	1:456:A:PRO:HG2	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1672)	1:405:A:ALA:HB2	1:456:A:PRO:HG3	7	0.11
(1,1672)	1:405:A:ALA:HB3	1:456:A:PRO:HG2	7	0.11
(1,1672)	1:405:A:ALA:HB3	1:456:A:PRO:HG3	7	0.11
(1,1669)	1:455:A:ASN:HB3	1:456:A:PRO:HG2	5	0.11
(1,1669)	1:455:A:ASN:HB3	1:456:A:PRO:HG3	5	0.11
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	10	0.11
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	10	0.11
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	15	0.11
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	15	0.11
(1,1661)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	12	0.11
(1,1661)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	12	0.11
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	7	0.11
(1,1642)	1:405:A:ALA:HA	1:456:A:PRO:HG2	8	0.11
(1,1642)	1:405:A:ALA:HA	1:456:A:PRO:HG3	8	0.11
(1,1642)	1:405:A:ALA:HA	1:456:A:PRO:HG2	14	0.11
(1,1642)	1:405:A:ALA:HA	1:456:A:PRO:HG3	14	0.11
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG2	10	0.11
(1,1639)	1:470:A:GLN:HA	1:475:A:ARG:HG3	10	0.11
(1,1633)	1:405:A:ALA:HA	1:406:A:ASN:HD22	2	0.11
(1,1633)	1:405:A:ALA:HA	1:406:A:ASN:HD22	12	0.11
(1,1630)	1:405:A:ALA:HA	1:452:A:SER:HA	10	0.11
(1,1629)	1:405:A:ALA:HA	1:455:A:ASN:HA	20	0.11
(1,1627)	1:402:A:PRO:HG2	1:455:A:ASN:HA	16	0.11
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	5	0.11
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	5	0.11
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB2	2	0.11
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB3	2	0.11
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB2	2	0.11
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB3	2	0.11
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB2	14	0.11
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB3	14	0.11
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB2	14	0.11
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB3	14	0.11
(1,1607)	1:398:A:GLN:HB2	1:434:A:ALA:HA	1	0.11
(1,1607)	1:398:A:GLN:HB3	1:434:A:ALA:HA	1	0.11
(1,1592)	1:427:A:PRO:HD2	1:428:A:PHE:HE1	17	0.11
(1,1592)	1:427:A:PRO:HD2	1:428:A:PHE:HE2	17	0.11
(1,1592)	1:427:A:PRO:HD3	1:428:A:PHE:HE1	17	0.11
(1,1592)	1:427:A:PRO:HD3	1:428:A:PHE:HE2	17	0.11
(1,1582)	1:456:A:PRO:HD3	1:458:A:SER:H	2	0.11
(1,1573)	1:409:A:ILE:HG12	1:449:A:GLY:HA2	8	0.11
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	8	0.11
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	12	0.11
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	12	0.11
(1,1556)	1:415:A:GLU:HB2	1:416:A:PHE:H	8	0.11
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD1	11	0.11
(1,1553)	1:414:A:GLN:HB3	1:416:A:PHE:HD2	11	0.11
(1,1542)	1:416:A:PHE:HE1	1:421:A:ILE:HG12	16	0.11
(1,1542)	1:416:A:PHE:HE2	1:421:A:ILE:HG12	16	0.11
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD11	7	0.11
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD12	7	0.11
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD13	7	0.11
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD11	7	0.11
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD12	7	0.11
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD13	7	0.11
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD11	17	0.11
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD12	17	0.11
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD13	17	0.11
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD11	17	0.11
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD12	17	0.11
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD13	17	0.11
(1,1516)	1:398:A:GLN:HB2	1:435:A:LYS:H	4	0.11
(1,1516)	1:398:A:GLN:HB3	1:435:A:LYS:H	4	0.11
(1,1516)	1:398:A:GLN:HB2	1:435:A:LYS:H	19	0.11
(1,1516)	1:398:A:GLN:HB3	1:435:A:LYS:H	19	0.11
(1,1515)	1:398:A:GLN:HB2	1:399:A:LYS:H	11	0.11
(1,1515)	1:398:A:GLN:HB3	1:399:A:LYS:H	11	0.11
(1,1509)	1:441:A:GLN:HB2	1:443:A:ASN:H	15	0.11
(1,1508)	1:441:A:GLN:H	1:441:A:GLN:HB2	17	0.11
(1,1504)	1:402:A:PRO:HA	1:403:A:GLU:HB2	4	0.11
(1,1487)	1:412:A:LEU:HA	1:413:A:PRO:HG2	20	0.11
(1,1483)	1:481:A:LYS:H	1:481:A:LYS:HD2	4	0.11
(1,1482)	1:481:A:LYS:H	1:481:A:LYS:HD3	14	0.11
(1,1480)	1:463:A:ILE:HG12	1:464:A:GLN:H	1	0.11
(1,1480)	1:463:A:ILE:HG13	1:464:A:GLN:H	1	0.11
(1,1479)	1:463:A:ILE:HG12	1:478:A:VAL:H	10	0.11
(1,1479)	1:463:A:ILE:HG13	1:478:A:VAL:H	10	0.11
(1,1479)	1:463:A:ILE:HG12	1:478:A:VAL:H	15	0.11
(1,1479)	1:463:A:ILE:HG13	1:478:A:VAL:H	15	0.11
(1,1462)	1:432:A:ILE:H	1:454:A:ASP:HA	15	0.11
(1,1458)	1:438:A:ILE:HG21	1:444:A:LEU:HA	13	0.11
(1,1458)	1:438:A:ILE:HG22	1:444:A:LEU:HA	13	0.11
(1,1458)	1:438:A:ILE:HG23	1:444:A:LEU:HA	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	3	0.11
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	11	0.11
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	16	0.11
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	17	0.11
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE1	6	0.11
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE2	6	0.11
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE1	19	0.11
(1,1444)	1:466:A:MET:HA	1:469:A:PHE:HE2	19	0.11
(1,1443)	1:439:A:ASP:HA	1:442:A:THR:H	11	0.11
(1,1443)	1:439:A:ASP:HA	1:442:A:THR:H	17	0.11
(1,1443)	1:439:A:ASP:HA	1:442:A:THR:H	19	0.11
(1,1434)	1:464:A:GLN:HB2	1:465:A:ALA:HA	18	0.11
(1,1434)	1:464:A:GLN:HB3	1:465:A:ALA:HA	18	0.11
(1,1433)	1:464:A:GLN:HG2	1:465:A:ALA:HA	1	0.11
(1,1433)	1:464:A:GLN:HG3	1:465:A:ALA:HA	1	0.11
(1,1428)	1:488:A:LYS:HA	1:489:A:PRO:HB2	18	0.11
(1,1428)	1:488:A:LYS:HA	1:489:A:PRO:HB3	18	0.11
(1,1427)	1:487:A:SER:HB2	1:488:A:LYS:HA	1	0.11
(1,1427)	1:487:A:SER:HB3	1:488:A:LYS:HA	1	0.11
(1,1426)	1:485:A:ASN:HB2	1:486:A:ASP:HA	6	0.11
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB2	20	0.11
(1,1424)	1:482:A:ARG:HB3	1:483:A:SER:HB3	20	0.11
(1,1423)	1:462:A:ALA:HA	1:466:A:MET:HB2	2	0.11
(1,1423)	1:462:A:ALA:HA	1:466:A:MET:HB3	2	0.11
(1,1417)	1:471:A:ILE:HB	1:475:A:ARG:HA	5	0.11
(1,1417)	1:471:A:ILE:HB	1:475:A:ARG:HA	8	0.11
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE1	13	0.11
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE2	13	0.11
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE1	13	0.11
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE2	13	0.11
(1,1391)	1:405:A:ALA:HA	1:459:A:ALA:HA	17	0.11
(1,1390)	1:428:A:PHE:HD1	1:461:A:ALA:HA	14	0.11
(1,1390)	1:428:A:PHE:HD2	1:461:A:ALA:HA	14	0.11
(1,1381)	1:426:A:MET:HB2	1:431:A:VAL:HG21	9	0.11
(1,1381)	1:426:A:MET:HB2	1:431:A:VAL:HG22	9	0.11
(1,1381)	1:426:A:MET:HB2	1:431:A:VAL:HG23	9	0.11
(1,1381)	1:426:A:MET:HB3	1:431:A:VAL:HG21	9	0.11
(1,1381)	1:426:A:MET:HB3	1:431:A:VAL:HG22	9	0.11
(1,1381)	1:426:A:MET:HB3	1:431:A:VAL:HG23	9	0.11
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG11	5	0.11
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG12	5	0.11
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG13	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG11	5	0.11
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG12	5	0.11
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG13	5	0.11
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	7	0.11
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	7	0.11
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	7	0.11
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	7	0.11
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	7	0.11
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	7	0.11
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	7	0.11
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	7	0.11
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	7	0.11
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	7	0.11
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	7	0.11
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	7	0.11
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB2	10	0.11
(1,1379)	1:422:A:LEU:HD11	1:426:A:MET:HB3	10	0.11
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB2	10	0.11
(1,1379)	1:422:A:LEU:HD12	1:426:A:MET:HB3	10	0.11
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB2	10	0.11
(1,1379)	1:422:A:LEU:HD13	1:426:A:MET:HB3	10	0.11
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB2	10	0.11
(1,1379)	1:422:A:LEU:HD21	1:426:A:MET:HB3	10	0.11
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB2	10	0.11
(1,1379)	1:422:A:LEU:HD22	1:426:A:MET:HB3	10	0.11
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB2	10	0.11
(1,1379)	1:422:A:LEU:HD23	1:426:A:MET:HB3	10	0.11
(1,1370)	1:442:A:THR:H	1:443:A:ASN:HA	12	0.11
(1,1370)	1:442:A:THR:H	1:443:A:ASN:HA	18	0.11
(1,1357)	1:474:A:LYS:HA	1:475:A:ARG:HA	9	0.11
(1,1357)	1:474:A:LYS:HA	1:475:A:ARG:HA	10	0.11
(1,1357)	1:474:A:LYS:HA	1:475:A:ARG:HA	16	0.11
(1,1357)	1:474:A:LYS:HA	1:475:A:ARG:HA	19	0.11
(1,1354)	1:400:A:GLU:HB2	1:452:A:SER:HB3	8	0.11
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	10	0.11
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	10	0.11
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	10	0.11
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	10	0.11
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB2	20	0.11
(1,1351)	1:466:A:MET:HG2	1:476:A:LEU:HB3	20	0.11
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB2	20	0.11
(1,1351)	1:466:A:MET:HG3	1:476:A:LEU:HB3	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1340)	1:422:A:LEU:HB2	1:426:A:MET:HG2	15	0.11
(1,1340)	1:422:A:LEU:HB2	1:426:A:MET:HG3	15	0.11
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	7	0.11
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	7	0.11
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	9	0.11
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	9	0.11
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG2	18	0.11
(1,1338)	1:423:A:GLN:HA	1:426:A:MET:HG3	18	0.11
(1,1336)	1:426:A:MET:HG2	1:453:A:TYR:HE1	4	0.11
(1,1336)	1:426:A:MET:HG2	1:453:A:TYR:HE2	4	0.11
(1,1336)	1:426:A:MET:HG3	1:453:A:TYR:HE1	4	0.11
(1,1336)	1:426:A:MET:HG3	1:453:A:TYR:HE2	4	0.11
(1,1335)	1:422:A:LEU:HG	1:426:A:MET:HG2	10	0.11
(1,1335)	1:422:A:LEU:HG	1:426:A:MET:HG3	10	0.11
(1,1335)	1:422:A:LEU:HG	1:426:A:MET:HG2	12	0.11
(1,1335)	1:422:A:LEU:HG	1:426:A:MET:HG3	12	0.11
(1,1331)	1:466:A:MET:HB2	1:468:A:GLY:H	3	0.11
(1,1331)	1:466:A:MET:HB3	1:468:A:GLY:H	3	0.11
(1,1331)	1:466:A:MET:HB2	1:468:A:GLY:H	16	0.11
(1,1331)	1:466:A:MET:HB3	1:468:A:GLY:H	16	0.11
(1,1323)	1:422:A:LEU:HD11	1:431:A:VAL:HB	2	0.11
(1,1323)	1:422:A:LEU:HD12	1:431:A:VAL:HB	2	0.11
(1,1323)	1:422:A:LEU:HD13	1:431:A:VAL:HB	2	0.11
(1,1323)	1:422:A:LEU:HD21	1:431:A:VAL:HB	2	0.11
(1,1323)	1:422:A:LEU:HD22	1:431:A:VAL:HB	2	0.11
(1,1323)	1:422:A:LEU:HD23	1:431:A:VAL:HB	2	0.11
(1,1317)	1:440:A:LYS:H	1:440:A:LYS:HB2	5	0.11
(1,1317)	1:440:A:LYS:H	1:440:A:LYS:HB3	5	0.11
(1,1308)	1:473:A:MET:HG2	1:474:A:LYS:H	7	0.11
(1,1298)	1:440:A:LYS:HB2	1:443:A:ASN:HB3	2	0.11
(1,1298)	1:440:A:LYS:HB3	1:443:A:ASN:HB3	2	0.11
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD2	12	0.11
(1,1285)	1:398:A:GLN:HA	1:399:A:LYS:HD3	12	0.11
(1,1282)	1:398:A:GLN:HA	1:398:A:GLN:HG3	7	0.11
(1,1282)	1:398:A:GLN:HA	1:398:A:GLN:HG3	10	0.11
(1,1281)	1:398:A:GLN:HA	1:433:A:SER:HA	20	0.11
(1,1279)	1:398:A:GLN:HA	1:399:A:LYS:H	4	0.11
(1,1274)	1:456:A:PRO:HB2	1:457:A:VAL:H	15	0.11
(1,1267)	1:456:A:PRO:HB2	1:460:A:GLN:HG2	4	0.11
(1,1267)	1:456:A:PRO:HB2	1:460:A:GLN:HG3	4	0.11
(1,1261)	1:400:A:GLU:HA	1:452:A:SER:HB3	15	0.11
(1,1259)	1:400:A:GLU:HA	1:400:A:GLU:HG3	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	1:411:A:HIS:HD2	1:476:A:LEU:HA	14	0.11
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG21	9	0.11
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG22	9	0.11
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG23	9	0.11
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG21	18	0.11
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG22	18	0.11
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG23	18	0.11
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG21	19	0.11
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG22	19	0.11
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG23	19	0.11
(1,1251)	1:446:A:LYS:HB2	1:448:A:PHE:HD1	15	0.11
(1,1251)	1:446:A:LYS:HB2	1:448:A:PHE:HD2	15	0.11
(1,1251)	1:446:A:LYS:HB3	1:448:A:PHE:HD1	15	0.11
(1,1251)	1:446:A:LYS:HB3	1:448:A:PHE:HD2	15	0.11
(1,1244)	1:411:A:HIS:HB2	1:476:A:LEU:HA	6	0.11
(1,1244)	1:411:A:HIS:HB2	1:476:A:LEU:HA	10	0.11
(1,1244)	1:411:A:HIS:HB2	1:476:A:LEU:HA	16	0.11
(1,1238)	1:451:A:VAL:HG11	1:452:A:SER:HA	10	0.11
(1,1238)	1:451:A:VAL:HG12	1:452:A:SER:HA	10	0.11
(1,1238)	1:451:A:VAL:HG13	1:452:A:SER:HA	10	0.11
(1,1238)	1:451:A:VAL:HG11	1:452:A:SER:HA	12	0.11
(1,1238)	1:451:A:VAL:HG12	1:452:A:SER:HA	12	0.11
(1,1238)	1:451:A:VAL:HG13	1:452:A:SER:HA	12	0.11
(1,1238)	1:451:A:VAL:HG11	1:452:A:SER:HA	20	0.11
(1,1238)	1:451:A:VAL:HG12	1:452:A:SER:HA	20	0.11
(1,1238)	1:451:A:VAL:HG13	1:452:A:SER:HA	20	0.11
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG21	15	0.11
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG22	15	0.11
(1,1229)	1:399:A:LYS:HA	1:432:A:ILE:HG23	15	0.11
(1,1225)	1:436:A:VAL:HB	1:437:A:PHE:HD1	4	0.11
(1,1225)	1:436:A:VAL:HB	1:437:A:PHE:HD2	4	0.11
(1,1225)	1:436:A:VAL:HB	1:437:A:PHE:HD1	7	0.11
(1,1225)	1:436:A:VAL:HB	1:437:A:PHE:HD2	7	0.11
(1,1225)	1:436:A:VAL:HB	1:437:A:PHE:HD1	14	0.11
(1,1225)	1:436:A:VAL:HB	1:437:A:PHE:HD2	14	0.11
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD11	2	0.11
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD12	2	0.11
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD13	2	0.11
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD21	2	0.11
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD22	2	0.11
(1,1205)	1:479:A:GLN:HB2	1:480:A:LEU:HD23	2	0.11
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD11	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD12	2	0.11
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD13	2	0.11
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD21	2	0.11
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD22	2	0.11
(1,1205)	1:479:A:GLN:HB3	1:480:A:LEU:HD23	2	0.11
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG2	5	0.11
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG3	5	0.11
(1,1181)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	15	0.11
(1,1181)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	15	0.11
(1,1180)	1:480:A:LEU:HA	1:481:A:LYS:HB3	20	0.11
(1,1174)	1:417:A:GLY:HA3	1:436:A:VAL:HB	11	0.11
(1,1171)	1:398:A:GLN:HG2	1:433:A:SER:HB3	4	0.11
(1,1167)	1:398:A:GLN:HG3	1:433:A:SER:HB3	18	0.11
(1,1160)	1:480:A:LEU:HA	1:481:A:LYS:HB2	2	0.11
(1,1160)	1:480:A:LEU:HA	1:481:A:LYS:HB2	8	0.11
(1,1155)	1:418:A:ASP:H	1:419:A:GLN:HG2	5	0.11
(1,1155)	1:418:A:ASP:H	1:419:A:GLN:HG3	5	0.11
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD11	5	0.11
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD12	5	0.11
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD13	5	0.11
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD21	5	0.11
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD22	5	0.11
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD23	5	0.11
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD11	14	0.11
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD12	14	0.11
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD13	14	0.11
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD21	14	0.11
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD22	14	0.11
(1,1150)	1:410:A:TYR:HA	1:412:A:LEU:HD23	14	0.11
(1,1145)	1:484:A:LYS:HA	1:485:A:ASN:HB3	15	0.11
(1,1143)	1:408:A:PHE:HA	1:450:A:PHE:HA	11	0.11
(1,1139)	1:477:A:LYS:HG2	1:479:A:GLN:HG2	13	0.11
(1,1139)	1:477:A:LYS:HG2	1:479:A:GLN:HG3	13	0.11
(1,1139)	1:477:A:LYS:HG3	1:479:A:GLN:HG2	13	0.11
(1,1139)	1:477:A:LYS:HG3	1:479:A:GLN:HG3	13	0.11
(1,1138)	1:423:A:GLN:HG3	1:424:A:MET:H	16	0.11
(1,1134)	1:483:A:SER:H	1:484:A:LYS:HA	6	0.11
(1,1133)	1:453:A:TYR:HA	1:454:A:ASP:HB2	17	0.11
(1,1132)	1:431:A:VAL:HG21	1:453:A:TYR:HA	9	0.11
(1,1132)	1:431:A:VAL:HG22	1:453:A:TYR:HA	9	0.11
(1,1132)	1:431:A:VAL:HG23	1:453:A:TYR:HA	9	0.11
(1,1119)	1:417:A:GLY:H	1:420:A:ASP:HA	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1119)	1:417:A:GLY:H	1:420:A:ASP:HA	12	0.11
(1,1115)	1:452:A:SER:H	1:453:A:TYR:HA	1	0.11
(1,1113)	1:423:A:GLN:HA	1:423:A:GLN:HG2	4	0.11
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	4	0.11
(1,1105)	1:414:A:GLN:HA	1:414:A:GLN:HG3	15	0.11
(1,1103)	1:479:A:GLN:HG2	1:480:A:LEU:H	11	0.11
(1,1103)	1:479:A:GLN:HG3	1:480:A:LEU:H	11	0.11
(1,1103)	1:479:A:GLN:HG2	1:480:A:LEU:H	12	0.11
(1,1103)	1:479:A:GLN:HG3	1:480:A:LEU:H	12	0.11
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG21	4	0.11
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG22	4	0.11
(1,1089)	1:441:A:GLN:HG2	1:442:A:THR:HG23	4	0.11
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG21	2	0.11
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG22	2	0.11
(1,1080)	1:441:A:GLN:HG3	1:442:A:THR:HG23	2	0.11
(1,1065)	1:471:A:ILE:HG12	1:474:A:LYS:HB3	18	0.11
(1,1065)	1:471:A:ILE:HG13	1:474:A:LYS:HB3	18	0.11
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG21	6	0.11
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG22	6	0.11
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG23	6	0.11
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG21	8	0.11
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG22	8	0.11
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG23	8	0.11
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG21	11	0.11
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG22	11	0.11
(1,1046)	1:441:A:GLN:HA	1:442:A:THR:HG23	11	0.11
(1,1041)	1:440:A:LYS:HA	1:442:A:THR:H	4	0.11
(1,1032)	1:403:A:GLU:HA	1:406:A:ASN:HD21	14	0.11
(1,1031)	1:403:A:GLU:HA	1:406:A:ASN:HD22	20	0.11
(1,1029)	1:486:A:ASP:HB3	1:487:A:SER:HA	4	0.11
(1,1029)	1:486:A:ASP:HB3	1:487:A:SER:HA	5	0.11
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB2	2	0.11
(1,1027)	1:483:A:SER:HA	1:483:A:SER:HB3	2	0.11
(1,1021)	1:444:A:LEU:HD11	1:445:A:SER:HA	3	0.11
(1,1021)	1:444:A:LEU:HD12	1:445:A:SER:HA	3	0.11
(1,1021)	1:444:A:LEU:HD13	1:445:A:SER:HA	3	0.11
(1,1021)	1:444:A:LEU:HD21	1:445:A:SER:HA	3	0.11
(1,1021)	1:444:A:LEU:HD22	1:445:A:SER:HA	3	0.11
(1,1021)	1:444:A:LEU:HD23	1:445:A:SER:HA	3	0.11
(1,1018)	1:464:A:GLN:HA	1:467:A:ASN:HB3	3	0.11
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	8	0.11
(1,1016)	1:463:A:ILE:HA	1:464:A:GLN:HA	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	19	0.11
(1,987)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	19	0.11
(1,987)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	19	0.11
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	18	0.11
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	18	0.11
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	18	0.11
(1,976)	1:432:A:ILE:HD11	1:453:A:TYR:HA	9	0.11
(1,976)	1:432:A:ILE:HD12	1:453:A:TYR:HA	9	0.11
(1,976)	1:432:A:ILE:HD13	1:453:A:TYR:HA	9	0.11
(1,971)	1:413:A:PRO:HA	1:414:A:GLN:HA	2	0.11
(1,971)	1:413:A:PRO:HA	1:414:A:GLN:HA	12	0.11
(1,965)	1:422:A:LEU:HA	1:426:A:MET:HG2	7	0.11
(1,965)	1:422:A:LEU:HA	1:426:A:MET:HG3	7	0.11
(1,963)	1:469:A:PHE:HA	1:476:A:LEU:H	8	0.11
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	10	0.11
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	10	0.11
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	10	0.11
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	10	0.11
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	5	0.11
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	5	0.11
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	20	0.11
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	20	0.11
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	20	0.11
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	20	0.11
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	20	0.11
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	20	0.11
(1,941)	1:451:A:VAL:H	1:451:A:VAL:HB	3	0.11
(1,939)	1:408:A:PHE:HB3	1:409:A:ILE:HA	5	0.11
(1,939)	1:408:A:PHE:HB3	1:409:A:ILE:HA	14	0.11
(1,927)	1:400:A:GLU:HG2	1:406:A:ASN:HB2	14	0.11
(1,926)	1:400:A:GLU:HG2	1:452:A:SER:HB2	13	0.11
(1,924)	1:400:A:GLU:HG3	1:452:A:SER:HB3	1	0.11
(1,923)	1:400:A:GLU:HG3	1:401:A:GLY:H	1	0.11
(1,919)	1:400:A:GLU:HG3	1:406:A:ASN:HD21	6	0.11
(1,919)	1:400:A:GLU:HG3	1:406:A:ASN:HD21	13	0.11
(1,916)	1:432:A:ILE:H	1:451:A:VAL:HA	3	0.11
(1,916)	1:432:A:ILE:H	1:451:A:VAL:HA	10	0.11
(1,915)	1:421:A:ILE:HD11	1:449:A:GLY:H	16	0.11
(1,915)	1:421:A:ILE:HD12	1:449:A:GLY:H	16	0.11
(1,915)	1:421:A:ILE:HD13	1:449:A:GLY:H	16	0.11
(1,914)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	14	0.11
(1,914)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	14	0.11
(1,914)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	14	0.11
(1,914)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	14	0.11
(1,914)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	14	0.11
(1,914)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	14	0.11
(1,914)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	14	0.11
(1,914)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	14	0.11
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	9	0.11
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	9	0.11
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	9	0.11
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD11	17	0.11
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD12	17	0.11
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD13	17	0.11
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD11	20	0.11
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD12	20	0.11
(1,903)	1:421:A:ILE:H	1:421:A:ILE:HD13	20	0.11
(1,899)	1:421:A:ILE:HD11	1:450:A:PHE:H	4	0.11
(1,899)	1:421:A:ILE:HD12	1:450:A:PHE:H	4	0.11
(1,899)	1:421:A:ILE:HD13	1:450:A:PHE:H	4	0.11
(1,898)	1:421:A:ILE:HD11	1:451:A:VAL:HB	6	0.11
(1,898)	1:421:A:ILE:HD12	1:451:A:VAL:HB	6	0.11
(1,898)	1:421:A:ILE:HD13	1:451:A:VAL:HB	6	0.11
(1,884)	1:407:A:LEU:HA	1:463:A:ILE:HD11	10	0.11
(1,884)	1:407:A:LEU:HA	1:463:A:ILE:HD12	10	0.11
(1,884)	1:407:A:LEU:HA	1:463:A:ILE:HD13	10	0.11
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD11	14	0.11
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD12	14	0.11
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD13	14	0.11
(1,882)	1:463:A:ILE:H	1:463:A:ILE:HD11	9	0.11
(1,882)	1:463:A:ILE:H	1:463:A:ILE:HD12	9	0.11
(1,882)	1:463:A:ILE:H	1:463:A:ILE:HD13	9	0.11
(1,880)	1:463:A:ILE:HD11	1:479:A:GLN:H	9	0.11
(1,880)	1:463:A:ILE:HD12	1:479:A:GLN:H	9	0.11
(1,880)	1:463:A:ILE:HD13	1:479:A:GLN:H	9	0.11
(1,880)	1:463:A:ILE:HD11	1:479:A:GLN:H	11	0.11
(1,880)	1:463:A:ILE:HD12	1:479:A:GLN:H	11	0.11
(1,880)	1:463:A:ILE:HD13	1:479:A:GLN:H	11	0.11
(1,878)	1:433:A:SER:HB3	1:451:A:VAL:HA	7	0.11
(1,876)	1:433:A:SER:H	1:451:A:VAL:HA	11	0.11
(1,874)	1:450:A:PHE:HD1	1:451:A:VAL:HA	2	0.11
(1,874)	1:450:A:PHE:HD2	1:451:A:VAL:HA	2	0.11
(1,874)	1:450:A:PHE:HD1	1:451:A:VAL:HA	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:450:A:PHE:HD2	1:451:A:VAL:HA	16	0.11
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB2	8	0.11
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB3	8	0.11
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB2	15	0.11
(1,869)	1:429:A:GLY:HA2	1:430:A:ASN:HB3	15	0.11
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	7	0.11
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	18	0.11
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	17	0.11
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	17	0.11
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	17	0.11
(1,831)	1:443:A:ASN:H	1:443:A:ASN:HB2	11	0.11
(1,831)	1:443:A:ASN:H	1:443:A:ASN:HB2	20	0.11
(1,829)	1:440:A:LYS:HA	1:443:A:ASN:HB3	6	0.11
(1,820)	1:463:A:ILE:HB	1:464:A:GLN:HE22	4	0.11
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB1	1	0.11
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB2	1	0.11
(1,814)	1:428:A:PHE:HB2	1:462:A:ALA:HB3	1	0.11
(1,810)	1:458:A:SER:HA	1:461:A:ALA:HB1	18	0.11
(1,810)	1:458:A:SER:HA	1:461:A:ALA:HB2	18	0.11
(1,810)	1:458:A:SER:HA	1:461:A:ALA:HB3	18	0.11
(1,806)	1:463:A:ILE:HB	1:467:A:ASN:HB3	18	0.11
(1,795)	1:442:A:THR:HA	1:444:A:LEU:HB3	3	0.11
(1,778)	1:409:A:ILE:HD11	1:421:A:ILE:HG12	5	0.11
(1,778)	1:409:A:ILE:HD12	1:421:A:ILE:HG12	5	0.11
(1,778)	1:409:A:ILE:HD13	1:421:A:ILE:HG12	5	0.11
(1,754)	1:402:A:PRO:HA	1:403:A:GLU:HA	1	0.11
(1,754)	1:402:A:PRO:HA	1:403:A:GLU:HA	6	0.11
(1,753)	1:402:A:PRO:HA	1:404:A:GLY:H	3	0.11
(1,753)	1:402:A:PRO:HA	1:404:A:GLY:H	6	0.11
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB1	6	0.11
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB2	6	0.11
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB3	6	0.11
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB1	11	0.11
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB2	11	0.11
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB3	11	0.11
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB1	2	0.11
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB2	2	0.11
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB3	2	0.11
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB1	3	0.11
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB2	3	0.11
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB3	3	0.11
(1,735)	1:412:A:LEU:HB3	1:416:A:PHE:HB3	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,734)	1:416:A:PHE:HB3	1:421:A:ILE:HB	11	0.11
(1,729)	1:432:A:ILE:HA	1:453:A:TYR:HA	20	0.11
(1,728)	1:431:A:VAL:HA	1:432:A:ILE:HA	1	0.11
(1,728)	1:431:A:VAL:HA	1:432:A:ILE:HA	20	0.11
(1,720)	1:471:A:ILE:HB	1:474:A:LYS:H	10	0.11
(1,715)	1:458:A:SER:HB2	1:461:A:ALA:HB1	17	0.11
(1,715)	1:458:A:SER:HB2	1:461:A:ALA:HB2	17	0.11
(1,715)	1:458:A:SER:HB2	1:461:A:ALA:HB3	17	0.11
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD2	1	0.11
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD3	1	0.11
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD2	17	0.11
(1,707)	1:413:A:PRO:HA	1:474:A:LYS:HD3	17	0.11
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	8	0.11
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	8	0.11
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	8	0.11
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG21	12	0.11
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG22	12	0.11
(1,681)	1:414:A:GLN:H	1:471:A:ILE:HG23	12	0.11
(1,671)	1:438:A:ILE:HB	1:440:A:LYS:HA	20	0.11
(1,668)	1:438:A:ILE:HB	1:440:A:LYS:H	1	0.11
(1,668)	1:438:A:ILE:HB	1:440:A:LYS:H	4	0.11
(1,668)	1:438:A:ILE:HB	1:440:A:LYS:H	12	0.11
(1,668)	1:438:A:ILE:HB	1:440:A:LYS:H	16	0.11
(1,666)	1:416:A:PHE:HB3	1:420:A:ASP:HB3	9	0.11
(1,665)	1:418:A:ASP:H	1:420:A:ASP:HB3	5	0.11
(1,646)	1:463:A:ILE:HG21	1:464:A:GLN:HA	4	0.11
(1,646)	1:463:A:ILE:HG22	1:464:A:GLN:HA	4	0.11
(1,646)	1:463:A:ILE:HG23	1:464:A:GLN:HA	4	0.11
(1,642)	1:463:A:ILE:HG21	1:464:A:GLN:H	14	0.11
(1,642)	1:463:A:ILE:HG22	1:464:A:GLN:H	14	0.11
(1,642)	1:463:A:ILE:HG23	1:464:A:GLN:H	14	0.11
(1,636)	1:432:A:ILE:HG21	1:453:A:TYR:HA	4	0.11
(1,636)	1:432:A:ILE:HG22	1:453:A:TYR:HA	4	0.11
(1,636)	1:432:A:ILE:HG23	1:453:A:TYR:HA	4	0.11
(1,636)	1:432:A:ILE:HG21	1:453:A:TYR:HA	10	0.11
(1,636)	1:432:A:ILE:HG22	1:453:A:TYR:HA	10	0.11
(1,636)	1:432:A:ILE:HG23	1:453:A:TYR:HA	10	0.11
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG21	11	0.11
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG22	11	0.11
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG23	11	0.11
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG21	19	0.11
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG22	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG23	19	0.11
(1,634)	1:488:A:LYS:HB2	1:489:A:PRO:HA	12	0.11
(1,634)	1:488:A:LYS:HB3	1:489:A:PRO:HA	12	0.11
(1,634)	1:488:A:LYS:HB2	1:489:A:PRO:HA	13	0.11
(1,634)	1:488:A:LYS:HB3	1:489:A:PRO:HA	13	0.11
(1,631)	1:444:A:LEU:HD11	1:445:A:SER:HB2	11	0.11
(1,631)	1:444:A:LEU:HD12	1:445:A:SER:HB2	11	0.11
(1,631)	1:444:A:LEU:HD13	1:445:A:SER:HB2	11	0.11
(1,631)	1:444:A:LEU:HD21	1:445:A:SER:HB2	11	0.11
(1,631)	1:444:A:LEU:HD22	1:445:A:SER:HB2	11	0.11
(1,631)	1:444:A:LEU:HD23	1:445:A:SER:HB2	11	0.11
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG2	11	0.11
(1,630)	1:445:A:SER:HB2	1:479:A:GLN:HG3	11	0.11
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD1	6	0.11
(1,629)	1:445:A:SER:HB2	1:448:A:PHE:HD2	6	0.11
(1,626)	1:444:A:LEU:HB3	1:445:A:SER:HB3	6	0.11
(1,626)	1:444:A:LEU:HB3	1:445:A:SER:HB3	12	0.11
(1,626)	1:444:A:LEU:HB3	1:445:A:SER:HB3	14	0.11
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	14	0.11
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	14	0.11
(1,616)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	14	0.11
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	14	0.11
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	14	0.11
(1,616)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	14	0.11
(1,609)	1:410:A:TYR:HB3	1:411:A:HIS:HA	16	0.11
(1,599)	1:409:A:ILE:HB	1:410:A:TYR:H	1	0.11
(1,594)	1:468:A:GLY:HA2	1:469:A:PHE:HB3	3	0.11
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB2	4	0.11
(1,584)	1:459:A:ALA:HB1	1:460:A:GLN:HB3	4	0.11
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB2	4	0.11
(1,584)	1:459:A:ALA:HB2	1:460:A:GLN:HB3	4	0.11
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB2	4	0.11
(1,584)	1:459:A:ALA:HB3	1:460:A:GLN:HB3	4	0.11
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB1	2	0.11
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB2	2	0.11
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB3	2	0.11
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	17	0.11
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	17	0.11
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	17	0.11
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB1	18	0.11
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB2	18	0.11
(1,581)	1:456:A:PRO:HA	1:459:A:ALA:HB3	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG21	2	0.11
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG22	2	0.11
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG23	2	0.11
(1,555)	1:421:A:ILE:HG21	1:436:A:VAL:H	3	0.11
(1,555)	1:421:A:ILE:HG22	1:436:A:VAL:H	3	0.11
(1,555)	1:421:A:ILE:HG23	1:436:A:VAL:H	3	0.11
(1,553)	1:454:A:ASP:HB3	1:455:A:ASN:HB3	8	0.11
(1,545)	1:416:A:PHE:HD1	1:421:A:ILE:HA	8	0.11
(1,545)	1:416:A:PHE:HD2	1:421:A:ILE:HA	8	0.11
(1,540)	1:422:A:LEU:HB2	1:434:A:ALA:HA	3	0.11
(1,540)	1:422:A:LEU:HB2	1:434:A:ALA:HA	6	0.11
(1,537)	1:455:A:ASN:HB3	1:457:A:VAL:HB	2	0.11
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG21	13	0.11
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG22	13	0.11
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG23	13	0.11
(1,506)	1:477:A:LYS:HE2	1:479:A:GLN:HA	6	0.11
(1,506)	1:477:A:LYS:HE3	1:479:A:GLN:HA	6	0.11
(1,499)	1:440:A:LYS:HE2	1:441:A:GLN:HE21	3	0.11
(1,499)	1:440:A:LYS:HE3	1:441:A:GLN:HE21	3	0.11
(1,499)	1:440:A:LYS:HE2	1:441:A:GLN:HE21	8	0.11
(1,499)	1:440:A:LYS:HE3	1:441:A:GLN:HE21	8	0.11
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	6	0.11
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	6	0.11
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	6	0.11
(1,478)	1:462:A:ALA:HB1	1:466:A:MET:H	3	0.11
(1,478)	1:462:A:ALA:HB2	1:466:A:MET:H	3	0.11
(1,478)	1:462:A:ALA:HB3	1:466:A:MET:H	3	0.11
(1,478)	1:462:A:ALA:HB1	1:466:A:MET:H	13	0.11
(1,478)	1:462:A:ALA:HB2	1:466:A:MET:H	13	0.11
(1,478)	1:462:A:ALA:HB3	1:466:A:MET:H	13	0.11
(1,478)	1:462:A:ALA:HB1	1:466:A:MET:H	16	0.11
(1,478)	1:462:A:ALA:HB2	1:466:A:MET:H	16	0.11
(1,478)	1:462:A:ALA:HB3	1:466:A:MET:H	16	0.11
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	10	0.11
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	10	0.11
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	10	0.11
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	10	0.11
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	11	0.11
(1,474)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	11	0.11
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	11	0.11
(1,474)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	11	0.11
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE2	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE3	14	0.11
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG21	14	0.11
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG22	14	0.11
(1,461)	1:439:A:ASP:HB2	1:442:A:THR:HG23	14	0.11
(1,455)	1:438:A:ILE:HA	1:439:A:ASP:HB3	1	0.11
(1,455)	1:438:A:ILE:HA	1:439:A:ASP:HB3	10	0.11
(1,455)	1:438:A:ILE:HA	1:439:A:ASP:HB3	11	0.11
(1,442)	1:432:A:ILE:HB	1:433:A:SER:HB3	7	0.11
(1,441)	1:433:A:SER:HB3	1:452:A:SER:HB3	9	0.11
(1,435)	1:433:A:SER:HB3	1:450:A:PHE:HD1	18	0.11
(1,435)	1:433:A:SER:HB3	1:450:A:PHE:HD2	18	0.11
(1,434)	1:399:A:LYS:H	1:433:A:SER:HB3	10	0.11
(1,433)	1:432:A:ILE:H	1:433:A:SER:HB3	4	0.11
(1,428)	1:431:A:VAL:HG21	1:433:A:SER:HB2	18	0.11
(1,428)	1:431:A:VAL:HG22	1:433:A:SER:HB2	18	0.11
(1,428)	1:431:A:VAL:HG23	1:433:A:SER:HB2	18	0.11
(1,425)	1:433:A:SER:HB2	1:434:A:ALA:HA	19	0.11
(1,424)	1:408:A:PHE:HE1	1:433:A:SER:HB2	4	0.11
(1,424)	1:408:A:PHE:HE2	1:433:A:SER:HB2	4	0.11
(1,419)	1:480:A:LEU:HB2	1:481:A:LYS:H	13	0.11
(1,419)	1:480:A:LEU:HB3	1:481:A:LYS:H	13	0.11
(1,404)	1:468:A:GLY:HA3	1:475:A:ARG:HD3	20	0.11
(1,392)	1:457:A:VAL:HA	1:461:A:ALA:HB1	17	0.11
(1,392)	1:457:A:VAL:HA	1:461:A:ALA:HB2	17	0.11
(1,392)	1:457:A:VAL:HA	1:461:A:ALA:HB3	17	0.11
(1,382)	1:475:A:ARG:HD2	1:476:A:LEU:H	5	0.11
(1,379)	1:475:A:ARG:HA	1:475:A:ARG:HD2	2	0.11
(1,376)	1:475:A:ARG:H	1:475:A:ARG:HD3	12	0.11
(1,376)	1:475:A:ARG:H	1:475:A:ARG:HD3	13	0.11
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD11	2	0.11
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD12	2	0.11
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD13	2	0.11
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD21	2	0.11
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD22	2	0.11
(1,366)	1:409:A:ILE:HG21	1:412:A:LEU:HD23	2	0.11
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD11	2	0.11
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD12	2	0.11
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD13	2	0.11
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD21	2	0.11
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD22	2	0.11
(1,366)	1:409:A:ILE:HG22	1:412:A:LEU:HD23	2	0.11
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD11	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD12	2	0.11
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD13	2	0.11
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD21	2	0.11
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD22	2	0.11
(1,366)	1:409:A:ILE:HG23	1:412:A:LEU:HD23	2	0.11
(1,365)	1:409:A:ILE:HG21	1:425:A:PHE:HD1	2	0.11
(1,365)	1:409:A:ILE:HG21	1:425:A:PHE:HD2	2	0.11
(1,365)	1:409:A:ILE:HG22	1:425:A:PHE:HD1	2	0.11
(1,365)	1:409:A:ILE:HG22	1:425:A:PHE:HD2	2	0.11
(1,365)	1:409:A:ILE:HG23	1:425:A:PHE:HD1	2	0.11
(1,365)	1:409:A:ILE:HG23	1:425:A:PHE:HD2	2	0.11
(1,365)	1:409:A:ILE:HG21	1:425:A:PHE:HD1	7	0.11
(1,365)	1:409:A:ILE:HG21	1:425:A:PHE:HD2	7	0.11
(1,365)	1:409:A:ILE:HG22	1:425:A:PHE:HD1	7	0.11
(1,365)	1:409:A:ILE:HG22	1:425:A:PHE:HD2	7	0.11
(1,365)	1:409:A:ILE:HG23	1:425:A:PHE:HD1	7	0.11
(1,365)	1:409:A:ILE:HG23	1:425:A:PHE:HD2	7	0.11
(1,365)	1:409:A:ILE:HG21	1:425:A:PHE:HD1	10	0.11
(1,365)	1:409:A:ILE:HG21	1:425:A:PHE:HD2	10	0.11
(1,365)	1:409:A:ILE:HG22	1:425:A:PHE:HD1	10	0.11
(1,365)	1:409:A:ILE:HG22	1:425:A:PHE:HD2	10	0.11
(1,365)	1:409:A:ILE:HG23	1:425:A:PHE:HD1	10	0.11
(1,365)	1:409:A:ILE:HG23	1:425:A:PHE:HD2	10	0.11
(1,354)	1:432:A:ILE:HB	1:452:A:SER:HB3	17	0.11
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	9	0.11
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	9	0.11
(1,352)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	9	0.11
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	9	0.11
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	9	0.11
(1,352)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	9	0.11
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	9	0.11
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	9	0.11
(1,352)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	9	0.11
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	11	0.11
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	11	0.11
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	11	0.11
(1,347)	1:405:A:ALA:HB1	1:456:A:PRO:HA	4	0.11
(1,347)	1:405:A:ALA:HB2	1:456:A:PRO:HA	4	0.11
(1,347)	1:405:A:ALA:HB3	1:456:A:PRO:HA	4	0.11
(1,341)	1:444:A:LEU:HB2	1:445:A:SER:HB2	8	0.11
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG11	20	0.11
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG12	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:422:A:LEU:HA	1:451:A:VAL:HG13	20	0.11
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	19	0.11
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	19	0.11
(1,331)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	19	0.11
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	19	0.11
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	19	0.11
(1,331)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	19	0.11
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	14	0.11
(1,321)	1:442:A:THR:HB	1:444:A:LEU:HB3	19	0.11
(1,320)	1:439:A:ASP:HB3	1:444:A:LEU:HB3	17	0.11
(1,313)	1:401:A:GLY:HA3	1:402:A:PRO:HG2	14	0.11
(1,302)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	16	0.11
(1,302)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	16	0.11
(1,302)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	16	0.11
(1,296)	1:436:A:VAL:H	1:436:A:VAL:HG11	9	0.11
(1,296)	1:436:A:VAL:H	1:436:A:VAL:HG12	9	0.11
(1,296)	1:436:A:VAL:H	1:436:A:VAL:HG13	9	0.11
(1,293)	1:436:A:VAL:HG11	1:449:A:GLY:HA2	11	0.11
(1,293)	1:436:A:VAL:HG12	1:449:A:GLY:HA2	11	0.11
(1,293)	1:436:A:VAL:HG13	1:449:A:GLY:HA2	11	0.11
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	4	0.11
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	4	0.11
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	4	0.11
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	10	0.11
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	10	0.11
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	10	0.11
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	3	0.11
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	3	0.11
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	3	0.11
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB1	19	0.11
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB2	19	0.11
(1,281)	1:418:A:ASP:HB2	1:434:A:ALA:HB3	19	0.11
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB1	1	0.11
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB2	1	0.11
(1,276)	1:433:A:SER:H	1:434:A:ALA:HB3	1	0.11
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB1	16	0.11
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB2	16	0.11
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB3	16	0.11
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG11	15	0.11
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG12	15	0.11
(1,259)	1:409:A:ILE:HD11	1:478:A:VAL:HG13	15	0.11
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG11	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG12	15	0.11
(1,259)	1:409:A:ILE:HD12	1:478:A:VAL:HG13	15	0.11
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG11	15	0.11
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG12	15	0.11
(1,259)	1:409:A:ILE:HD13	1:478:A:VAL:HG13	15	0.11
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG11	15	0.11
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG12	15	0.11
(1,254)	1:477:A:LYS:HA	1:478:A:VAL:HG13	15	0.11
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG11	6	0.11
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG12	6	0.11
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG13	6	0.11
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG11	14	0.11
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG12	14	0.11
(1,247)	1:410:A:TYR:H	1:478:A:VAL:HG13	14	0.11
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	1	0.11
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	1	0.11
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	1	0.11
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	19	0.11
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	19	0.11
(1,246)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	19	0.11
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG21	13	0.11
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG22	13	0.11
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG23	13	0.11
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE1	4	0.11
(1,222)	1:429:A:GLY:HA3	1:453:A:TYR:HE2	4	0.11
(1,204)	1:457:A:VAL:HG11	1:459:A:ALA:H	14	0.11
(1,204)	1:457:A:VAL:HG12	1:459:A:ALA:H	14	0.11
(1,204)	1:457:A:VAL:HG13	1:459:A:ALA:H	14	0.11
(1,204)	1:457:A:VAL:HG21	1:459:A:ALA:H	14	0.11
(1,204)	1:457:A:VAL:HG22	1:459:A:ALA:H	14	0.11
(1,204)	1:457:A:VAL:HG23	1:459:A:ALA:H	14	0.11
(1,192)	1:436:A:VAL:HG21	1:449:A:GLY:HA2	8	0.11
(1,192)	1:436:A:VAL:HG22	1:449:A:GLY:HA2	8	0.11
(1,192)	1:436:A:VAL:HG23	1:449:A:GLY:HA2	8	0.11
(1,184)	1:404:A:GLY:HA3	1:456:A:PRO:HB2	8	0.11
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	12	0.11
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	12	0.11
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	12	0.11
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	12	0.11
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	12	0.11
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	12	0.11
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	12	0.11
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	12	0.11
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	6	0.11
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	6	0.11
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	6	0.11
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	6	0.11
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	6	0.11
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	6	0.11
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	11	0.11
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	11	0.11
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	11	0.11
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	11	0.11
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	11	0.11
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	11	0.11
(1,176)	1:431:A:VAL:HG11	1:433:A:SER:H	12	0.11
(1,176)	1:431:A:VAL:HG12	1:433:A:SER:H	12	0.11
(1,176)	1:431:A:VAL:HG13	1:433:A:SER:H	12	0.11
(1,172)	1:431:A:VAL:HG11	1:432:A:ILE:H	10	0.11
(1,172)	1:431:A:VAL:HG12	1:432:A:ILE:H	10	0.11
(1,172)	1:431:A:VAL:HG13	1:432:A:ILE:H	10	0.11
(1,172)	1:431:A:VAL:HG11	1:432:A:ILE:H	11	0.11
(1,172)	1:431:A:VAL:HG12	1:432:A:ILE:H	11	0.11
(1,172)	1:431:A:VAL:HG13	1:432:A:ILE:H	11	0.11
(1,172)	1:431:A:VAL:HG11	1:432:A:ILE:H	17	0.11
(1,172)	1:431:A:VAL:HG12	1:432:A:ILE:H	17	0.11
(1,172)	1:431:A:VAL:HG13	1:432:A:ILE:H	17	0.11
(1,169)	1:457:A:VAL:HG11	1:460:A:GLN:HE21	4	0.11
(1,169)	1:457:A:VAL:HG12	1:460:A:GLN:HE21	4	0.11
(1,169)	1:457:A:VAL:HG13	1:460:A:GLN:HE21	4	0.11
(1,169)	1:457:A:VAL:HG21	1:460:A:GLN:HE21	4	0.11
(1,169)	1:457:A:VAL:HG22	1:460:A:GLN:HE21	4	0.11
(1,169)	1:457:A:VAL:HG23	1:460:A:GLN:HE21	4	0.11
(1,167)	1:468:A:GLY:HA2	1:476:A:LEU:HB2	19	0.11
(1,167)	1:468:A:GLY:HA2	1:476:A:LEU:HB3	19	0.11
(1,165)	1:437:A:PHE:H	1:449:A:GLY:HA2	6	0.11
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD11	18	0.11
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD12	18	0.11
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD13	18	0.11
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD21	18	0.11
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD22	18	0.11
(1,142)	1:409:A:ILE:HB	1:476:A:LEU:HD23	18	0.11
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD11	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD12	15	0.11
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD13	15	0.11
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD21	15	0.11
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD22	15	0.11
(1,140)	1:409:A:ILE:HG21	1:476:A:LEU:HD23	15	0.11
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD11	15	0.11
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD12	15	0.11
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD13	15	0.11
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD21	15	0.11
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD22	15	0.11
(1,140)	1:409:A:ILE:HG22	1:476:A:LEU:HD23	15	0.11
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD11	15	0.11
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD12	15	0.11
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD13	15	0.11
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD21	15	0.11
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD22	15	0.11
(1,140)	1:409:A:ILE:HG23	1:476:A:LEU:HD23	15	0.11
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD11	6	0.11
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD12	6	0.11
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD13	6	0.11
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD21	6	0.11
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD22	6	0.11
(1,97)	1:412:A:LEU:HA	1:476:A:LEU:HD23	6	0.11
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD11	17	0.11
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD12	17	0.11
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD13	17	0.11
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD21	17	0.11
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD22	17	0.11
(1,95)	1:413:A:PRO:HB2	1:476:A:LEU:HD23	17	0.11
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD11	17	0.11
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD12	17	0.11
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD13	17	0.11
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD21	17	0.11
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD22	17	0.11
(1,95)	1:413:A:PRO:HB3	1:476:A:LEU:HD23	17	0.11
(1,90)	1:472:A:GLY:HA2	1:473:A:MET:H	7	0.11
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD11	20	0.11
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD12	20	0.11
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD13	20	0.11
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD21	20	0.11
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD22	20	0.11
(1,89)	1:411:A:HIS:HB3	1:476:A:LEU:HD23	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG2	5	0.11
(1,78)	1:399:A:LYS:HA	1:399:A:LYS:HG3	5	0.11
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG2	19	0.11
(1,77)	1:399:A:LYS:H	1:399:A:LYS:HG3	19	0.11
(1,61)	1:480:A:LEU:HB2	1:480:A:LEU:HG	12	0.11
(1,61)	1:480:A:LEU:HB3	1:480:A:LEU:HG	12	0.11
(1,61)	1:480:A:LEU:HB2	1:480:A:LEU:HG	16	0.11
(1,61)	1:480:A:LEU:HB3	1:480:A:LEU:HG	16	0.11
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD11	15	0.11
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD12	15	0.11
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD13	15	0.11
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD21	15	0.11
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD22	15	0.11
(1,53)	1:406:A:ASN:HB3	1:407:A:LEU:HD23	15	0.11
(1,38)	1:409:A:ILE:HG13	1:476:A:LEU:HG	7	0.11
(1,38)	1:409:A:ILE:HG13	1:476:A:LEU:HG	12	0.11
(1,36)	1:425:A:PHE:HE1	1:476:A:LEU:HG	11	0.11
(1,36)	1:425:A:PHE:HE2	1:476:A:LEU:HG	11	0.11
(1,31)	1:402:A:PRO:HD3	1:455:A:ASN:H	2	0.11
(1,27)	1:402:A:PRO:HD3	1:455:A:ASN:HA	4	0.11
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	18	0.11
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	18	0.11
(1,23)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	18	0.11
(1,19)	1:411:A:HIS:HB3	1:476:A:LEU:HA	12	0.11
(1,16)	1:407:A:LEU:HG	1:453:A:TYR:H	14	0.11
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG21	1	0.11
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG22	1	0.11
(1,15)	1:407:A:LEU:HG	1:451:A:VAL:HG23	1	0.11
(1,2436)	1:410:A:TYR:HA	1:410:A:TYR:HE1	8	0.1
(1,2436)	1:410:A:TYR:HA	1:410:A:TYR:HE2	8	0.1
(1,2433)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	16	0.1
(1,2433)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	16	0.1
(1,2433)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	16	0.1
(1,2433)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	16	0.1
(1,2433)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	16	0.1
(1,2433)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	16	0.1
(1,2433)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	16	0.1
(1,2433)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	16	0.1
(1,2433)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	16	0.1
(1,2433)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	16	0.1
(1,2433)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	16	0.1
(1,2433)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2426)	1:453:A:TYR:HA	1:453:A:TYR:HE1	7	0.1
(1,2426)	1:453:A:TYR:HA	1:453:A:TYR:HE2	7	0.1
(1,2424)	1:411:A:HIS:HD2	1:477:A:LYS:HB2	2	0.1
(1,2424)	1:411:A:HIS:HD2	1:477:A:LYS:HB3	2	0.1
(1,2420)	1:412:A:LEU:HG	1:416:A:PHE:HD1	5	0.1
(1,2420)	1:412:A:LEU:HG	1:416:A:PHE:HD2	5	0.1
(1,2419)	1:414:A:GLN:HG3	1:416:A:PHE:HD1	14	0.1
(1,2419)	1:414:A:GLN:HG3	1:416:A:PHE:HD2	14	0.1
(1,2417)	1:416:A:PHE:HD1	1:417:A:GLY:H	17	0.1
(1,2417)	1:416:A:PHE:HD2	1:417:A:GLY:H	17	0.1
(1,2407)	1:428:A:PHE:HA	1:428:A:PHE:HD1	4	0.1
(1,2407)	1:428:A:PHE:HA	1:428:A:PHE:HD2	4	0.1
(1,2407)	1:428:A:PHE:HA	1:428:A:PHE:HD1	13	0.1
(1,2407)	1:428:A:PHE:HA	1:428:A:PHE:HD2	13	0.1
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	15	0.1
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	15	0.1
(1,2400)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	15	0.1
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	15	0.1
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	15	0.1
(1,2400)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	15	0.1
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG12	9	0.1
(1,2399)	1:469:A:PHE:HE1	1:471:A:ILE:HG13	9	0.1
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG12	9	0.1
(1,2399)	1:469:A:PHE:HE2	1:471:A:ILE:HG13	9	0.1
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	2	0.1
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	2	0.1
(1,2391)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	2	0.1
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	2	0.1
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	2	0.1
(1,2391)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	2	0.1
(1,2387)	1:416:A:PHE:HE1	1:421:A:ILE:HA	10	0.1
(1,2387)	1:416:A:PHE:HE2	1:421:A:ILE:HA	10	0.1
(1,2386)	1:450:A:PHE:HD1	1:451:A:VAL:H	17	0.1
(1,2386)	1:450:A:PHE:HD2	1:451:A:VAL:H	17	0.1
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG2	4	0.1
(1,2378)	1:437:A:PHE:HD1	1:440:A:LYS:HG3	4	0.1
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG2	4	0.1
(1,2378)	1:437:A:PHE:HD2	1:440:A:LYS:HG3	4	0.1
(1,2351)	1:424:A:MET:HB2	1:425:A:PHE:HD1	2	0.1
(1,2351)	1:424:A:MET:HB2	1:425:A:PHE:HD2	2	0.1
(1,2351)	1:424:A:MET:HB3	1:425:A:PHE:HD1	2	0.1
(1,2351)	1:424:A:MET:HB3	1:425:A:PHE:HD2	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2350)	1:421:A:ILE:HA	1:425:A:PHE:HD1	14	0.1
(1,2350)	1:421:A:ILE:HA	1:425:A:PHE:HD2	14	0.1
(1,2339)	1:410:A:TYR:HD1	1:449:A:GLY:H	8	0.1
(1,2339)	1:410:A:TYR:HD2	1:449:A:GLY:H	8	0.1
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	3	0.1
(1,2334)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	3	0.1
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	3	0.1
(1,2334)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	3	0.1
(1,2321)	1:412:A:LEU:HD11	1:449:A:GLY:H	19	0.1
(1,2321)	1:412:A:LEU:HD12	1:449:A:GLY:H	19	0.1
(1,2321)	1:412:A:LEU:HD13	1:449:A:GLY:H	19	0.1
(1,2321)	1:412:A:LEU:HD21	1:449:A:GLY:H	19	0.1
(1,2321)	1:412:A:LEU:HD22	1:449:A:GLY:H	19	0.1
(1,2321)	1:412:A:LEU:HD23	1:449:A:GLY:H	19	0.1
(1,2315)	1:427:A:PRO:HG3	1:428:A:PHE:H	1	0.1
(1,2310)	1:401:A:GLY:H	1:406:A:ASN:HD21	20	0.1
(1,2281)	1:463:A:ILE:H	1:464:A:GLN:HE21	14	0.1
(1,2240)	1:445:A:SER:HB3	1:479:A:GLN:HE22	8	0.1
(1,2232)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	7	0.1
(1,2232)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	16	0.1
(1,2221)	1:417:A:GLY:H	1:420:A:ASP:HB3	9	0.1
(1,2200)	1:431:A:VAL:HA	1:433:A:SER:H	1	0.1
(1,2200)	1:431:A:VAL:HA	1:433:A:SER:H	13	0.1
(1,2195)	1:430:A:ASN:HD22	1:431:A:VAL:H	19	0.1
(1,2194)	1:432:A:ILE:HD11	1:455:A:ASN:H	2	0.1
(1,2194)	1:432:A:ILE:HD12	1:455:A:ASN:H	2	0.1
(1,2194)	1:432:A:ILE:HD13	1:455:A:ASN:H	2	0.1
(1,2191)	1:453:A:TYR:HB3	1:455:A:ASN:H	12	0.1
(1,2168)	1:455:A:ASN:HD21	1:457:A:VAL:H	7	0.1
(1,2153)	1:414:A:GLN:H	1:415:A:GLU:H	14	0.1
(1,2133)	1:424:A:MET:H	1:425:A:PHE:HB3	16	0.1
(1,2109)	1:419:A:GLN:H	1:420:A:ASP:H	8	0.1
(1,2078)	1:440:A:LYS:HG2	1:441:A:GLN:H	9	0.1
(1,2078)	1:440:A:LYS:HG3	1:441:A:GLN:H	9	0.1
(1,2072)	1:441:A:GLN:H	1:443:A:ASN:H	14	0.1
(1,2057)	1:430:A:ASN:H	1:454:A:ASP:H	16	0.1
(1,2054)	1:400:A:GLU:HB3	1:406:A:ASN:HD21	4	0.1
(1,2047)	1:472:A:GLY:H	1:474:A:LYS:H	7	0.1
(1,2038)	1:439:A:ASP:HB3	1:444:A:LEU:H	12	0.1
(1,2038)	1:439:A:ASP:HB3	1:444:A:LEU:H	20	0.1
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB2	4	0.1
(1,2030)	1:468:A:GLY:H	1:476:A:LEU:HB3	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2026)	1:468:A:GLY:H	1:477:A:LYS:HA	13	0.1
(1,2018)	1:460:A:GLN:HA	1:463:A:ILE:H	12	0.1
(1,2016)	1:463:A:ILE:H	1:465:A:ALA:H	11	0.1
(1,1995)	1:402:A:PRO:HB2	1:403:A:GLU:H	11	0.1
(1,1995)	1:402:A:PRO:HB3	1:403:A:GLU:H	11	0.1
(1,1975)	1:470:A:GLN:HG2	1:475:A:ARG:H	19	0.1
(1,1975)	1:470:A:GLN:HG3	1:475:A:ARG:H	19	0.1
(1,1973)	1:411:A:HIS:HB2	1:475:A:ARG:H	1	0.1
(1,1970)	1:475:A:ARG:H	1:476:A:LEU:H	13	0.1
(1,1961)	1:450:A:PHE:H	1:450:A:PHE:HB3	11	0.1
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE1	7	0.1
(1,1957)	1:450:A:PHE:H	1:450:A:PHE:HE2	7	0.1
(1,1955)	1:458:A:SER:HB2	1:459:A:ALA:H	10	0.1
(1,1950)	1:458:A:SER:H	1:459:A:ALA:H	14	0.1
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD1	15	0.1
(1,1934)	1:435:A:LYS:H	1:450:A:PHE:HD2	15	0.1
(1,1932)	1:435:A:LYS:H	1:435:A:LYS:HG2	20	0.1
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB2	2	0.1
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB3	2	0.1
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB2	4	0.1
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB3	4	0.1
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB2	12	0.1
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB3	12	0.1
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB2	17	0.1
(1,1931)	1:435:A:LYS:H	1:435:A:LYS:HB3	17	0.1
(1,1906)	1:435:A:LYS:HE2	1:438:A:ILE:H	16	0.1
(1,1906)	1:435:A:LYS:HE3	1:438:A:ILE:H	16	0.1
(1,1899)	1:417:A:GLY:HA2	1:418:A:ASP:H	2	0.1
(1,1891)	1:428:A:PHE:HB3	1:462:A:ALA:H	9	0.1
(1,1865)	1:418:A:ASP:HB3	1:436:A:VAL:H	2	0.1
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD11	12	0.1
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD12	12	0.1
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD13	12	0.1
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD11	13	0.1
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD12	13	0.1
(1,1858)	1:461:A:ALA:H	1:463:A:ILE:HD13	13	0.1
(1,1856)	1:479:A:GLN:H	1:480:A:LEU:H	4	0.1
(1,1856)	1:479:A:GLN:H	1:480:A:LEU:H	16	0.1
(1,1854)	1:422:A:LEU:H	1:422:A:LEU:HB2	9	0.1
(1,1849)	1:399:A:LYS:H	1:433:A:SER:HA	3	0.1
(1,1831)	1:407:A:LEU:H	1:453:A:TYR:H	3	0.1
(1,1801)	1:410:A:TYR:HB2	1:477:A:LYS:H	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:411:A:HIS:HB3	1:477:A:LYS:H	3	0.1
(1,1763)	1:471:A:ILE:H	1:474:A:LYS:HB2	2	0.1
(1,1761)	1:471:A:ILE:H	1:475:A:ARG:HA	19	0.1
(1,1755)	1:439:A:ASP:H	1:440:A:LYS:HG2	18	0.1
(1,1755)	1:439:A:ASP:H	1:440:A:LYS:HG3	18	0.1
(1,1733)	1:424:A:MET:HA	1:426:A:MET:H	10	0.1
(1,1696)	1:422:A:LEU:HG	1:426:A:MET:HB2	2	0.1
(1,1696)	1:422:A:LEU:HG	1:426:A:MET:HB3	2	0.1
(1,1689)	1:432:A:ILE:HG12	1:452:A:SER:HB3	4	0.1
(1,1689)	1:432:A:ILE:HG13	1:452:A:SER:HB3	4	0.1
(1,1687)	1:422:A:LEU:HG	1:423:A:GLN:HA	6	0.1
(1,1686)	1:422:A:LEU:HG	1:423:A:GLN:H	1	0.1
(1,1686)	1:422:A:LEU:HG	1:423:A:GLN:H	5	0.1
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG12	14	0.1
(1,1665)	1:413:A:PRO:HG2	1:471:A:ILE:HG13	14	0.1
(1,1651)	1:413:A:PRO:HG3	1:469:A:PHE:HB2	3	0.1
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE1	18	0.1
(1,1613)	1:413:A:PRO:HG3	1:416:A:PHE:HE2	18	0.1
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB2	5	0.1
(1,1608)	1:463:A:ILE:HG12	1:464:A:GLN:HB3	5	0.1
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB2	5	0.1
(1,1608)	1:463:A:ILE:HG13	1:464:A:GLN:HB3	5	0.1
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG11	2	0.1
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG12	2	0.1
(1,1601)	1:434:A:ALA:HA	1:451:A:VAL:HG13	2	0.1
(1,1592)	1:427:A:PRO:HD2	1:428:A:PHE:HE1	18	0.1
(1,1592)	1:427:A:PRO:HD2	1:428:A:PHE:HE2	18	0.1
(1,1592)	1:427:A:PRO:HD3	1:428:A:PHE:HE1	18	0.1
(1,1592)	1:427:A:PRO:HD3	1:428:A:PHE:HE2	18	0.1
(1,1574)	1:415:A:GLU:HB3	1:416:A:PHE:H	4	0.1
(1,1572)	1:409:A:ILE:HG12	1:449:A:GLY:H	4	0.1
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	20	0.1
(1,1560)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	20	0.1
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD2	3	0.1
(1,1539)	1:438:A:ILE:HG21	1:440:A:LYS:HD3	3	0.1
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD2	3	0.1
(1,1539)	1:438:A:ILE:HG22	1:440:A:LYS:HD3	3	0.1
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD2	3	0.1
(1,1539)	1:438:A:ILE:HG23	1:440:A:LYS:HD3	3	0.1
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD11	19	0.1
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD12	19	0.1
(1,1530)	1:399:A:LYS:HD2	1:432:A:ILE:HD13	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD11	19	0.1
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD12	19	0.1
(1,1530)	1:399:A:LYS:HD3	1:432:A:ILE:HD13	19	0.1
(1,1529)	1:399:A:LYS:HA	1:399:A:LYS:HD2	17	0.1
(1,1529)	1:399:A:LYS:HA	1:399:A:LYS:HD3	17	0.1
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG21	19	0.1
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG22	19	0.1
(1,1507)	1:441:A:GLN:HB3	1:442:A:THR:HG23	19	0.1
(1,1493)	1:406:A:ASN:HA	1:453:A:TYR:H	2	0.1
(1,1489)	1:481:A:LYS:HA	1:481:A:LYS:HD3	6	0.1
(1,1485)	1:412:A:LEU:HA	1:416:A:PHE:HE1	16	0.1
(1,1485)	1:412:A:LEU:HA	1:416:A:PHE:HE2	16	0.1
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD1	5	0.1
(1,1481)	1:412:A:LEU:HA	1:416:A:PHE:HD2	5	0.1
(1,1478)	1:402:A:PRO:HG3	1:454:A:ASP:HA	3	0.1
(1,1478)	1:402:A:PRO:HG3	1:454:A:ASP:HA	10	0.1
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	4	0.1
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	12	0.1
(1,1446)	1:439:A:ASP:HA	1:440:A:LYS:HA	18	0.1
(1,1443)	1:439:A:ASP:HA	1:442:A:THR:H	20	0.1
(1,1434)	1:464:A:GLN:HB2	1:465:A:ALA:HA	2	0.1
(1,1434)	1:464:A:GLN:HB3	1:465:A:ALA:HA	2	0.1
(1,1430)	1:418:A:ASP:HB3	1:435:A:LYS:HA	15	0.1
(1,1428)	1:488:A:LYS:HA	1:489:A:PRO:HB2	1	0.1
(1,1428)	1:488:A:LYS:HA	1:489:A:PRO:HB3	1	0.1
(1,1428)	1:488:A:LYS:HA	1:489:A:PRO:HB2	11	0.1
(1,1428)	1:488:A:LYS:HA	1:489:A:PRO:HB3	11	0.1
(1,1423)	1:462:A:ALA:HA	1:466:A:MET:HB2	6	0.1
(1,1423)	1:462:A:ALA:HA	1:466:A:MET:HB3	6	0.1
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE1	10	0.1
(1,1400)	1:466:A:MET:HG2	1:469:A:PHE:HE2	10	0.1
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE1	10	0.1
(1,1400)	1:466:A:MET:HG3	1:469:A:PHE:HE2	10	0.1
(1,1395)	1:459:A:ALA:HA	1:463:A:ILE:HB	16	0.1
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG11	9	0.1
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG12	9	0.1
(1,1380)	1:426:A:MET:HB2	1:431:A:VAL:HG13	9	0.1
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG11	9	0.1
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG12	9	0.1
(1,1380)	1:426:A:MET:HB3	1:431:A:VAL:HG13	9	0.1
(1,1377)	1:400:A:GLU:HB3	1:452:A:SER:HB3	1	0.1
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	6	0.1
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	6	0.1
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	6	0.1
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	6	0.1
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	6	0.1
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG11	20	0.1
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG12	20	0.1
(1,1362)	1:466:A:MET:HG2	1:478:A:VAL:HG13	20	0.1
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG11	20	0.1
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG12	20	0.1
(1,1362)	1:466:A:MET:HG3	1:478:A:VAL:HG13	20	0.1
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB2	9	0.1
(1,1360)	1:474:A:LYS:HA	1:475:A:ARG:HB3	9	0.1
(1,1357)	1:474:A:LYS:HA	1:475:A:ARG:HA	1	0.1
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE1	14	0.1
(1,1347)	1:424:A:MET:HG2	1:425:A:PHE:HE2	14	0.1
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE1	14	0.1
(1,1347)	1:424:A:MET:HG3	1:425:A:PHE:HE2	14	0.1
(1,1344)	1:413:A:PRO:HB2	1:474:A:LYS:HB3	2	0.1
(1,1344)	1:413:A:PRO:HB3	1:474:A:LYS:HB3	2	0.1
(1,1335)	1:422:A:LEU:HG	1:426:A:MET:HG2	6	0.1
(1,1335)	1:422:A:LEU:HG	1:426:A:MET:HG3	6	0.1
(1,1323)	1:422:A:LEU:HD11	1:431:A:VAL:HB	13	0.1
(1,1323)	1:422:A:LEU:HD12	1:431:A:VAL:HB	13	0.1
(1,1323)	1:422:A:LEU:HD13	1:431:A:VAL:HB	13	0.1
(1,1323)	1:422:A:LEU:HD21	1:431:A:VAL:HB	13	0.1
(1,1323)	1:422:A:LEU:HD22	1:431:A:VAL:HB	13	0.1
(1,1323)	1:422:A:LEU:HD23	1:431:A:VAL:HB	13	0.1
(1,1298)	1:440:A:LYS:HB2	1:443:A:ASN:HB3	4	0.1
(1,1298)	1:440:A:LYS:HB3	1:443:A:ASN:HB3	4	0.1
(1,1281)	1:398:A:GLN:HA	1:433:A:SER:HA	7	0.1
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG21	11	0.1
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG22	11	0.1
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG23	11	0.1
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG21	14	0.1
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG22	14	0.1
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG23	14	0.1
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG21	17	0.1
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG22	17	0.1
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG23	17	0.1
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG21	20	0.1
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG22	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1253)	1:470:A:GLN:HA	1:471:A:ILE:HG23	20	0.1
(1,1252)	1:431:A:VAL:HA	1:452:A:SER:HA	15	0.1
(1,1248)	1:483:A:SER:HB2	1:484:A:LYS:HB2	14	0.1
(1,1248)	1:483:A:SER:HB3	1:484:A:LYS:HB2	14	0.1
(1,1241)	1:456:A:PRO:HB3	1:460:A:GLN:HG2	5	0.1
(1,1241)	1:456:A:PRO:HB3	1:460:A:GLN:HG3	5	0.1
(1,1228)	1:398:A:GLN:HG3	1:399:A:LYS:HA	8	0.1
(1,1225)	1:436:A:VAL:HB	1:437:A:PHE:HD1	15	0.1
(1,1225)	1:436:A:VAL:HB	1:437:A:PHE:HD2	15	0.1
(1,1218)	1:467:A:ASN:HA	1:468:A:GLY:HA2	12	0.1
(1,1208)	1:470:A:GLN:H	1:470:A:GLN:HG2	4	0.1
(1,1208)	1:470:A:GLN:H	1:470:A:GLN:HG3	4	0.1
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG2	16	0.1
(1,1192)	1:460:A:GLN:H	1:460:A:GLN:HG3	16	0.1
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG2	4	0.1
(1,1191)	1:457:A:VAL:HG11	1:460:A:GLN:HG3	4	0.1
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG2	4	0.1
(1,1191)	1:457:A:VAL:HG12	1:460:A:GLN:HG3	4	0.1
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG2	4	0.1
(1,1191)	1:457:A:VAL:HG13	1:460:A:GLN:HG3	4	0.1
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG2	4	0.1
(1,1191)	1:457:A:VAL:HG21	1:460:A:GLN:HG3	4	0.1
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG2	4	0.1
(1,1191)	1:457:A:VAL:HG22	1:460:A:GLN:HG3	4	0.1
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG2	4	0.1
(1,1191)	1:457:A:VAL:HG23	1:460:A:GLN:HG3	4	0.1
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG2	15	0.1
(1,1188)	1:457:A:VAL:H	1:460:A:GLN:HG3	15	0.1
(1,1178)	1:399:A:LYS:H	1:399:A:LYS:HB2	14	0.1
(1,1178)	1:399:A:LYS:H	1:399:A:LYS:HB3	14	0.1
(1,1145)	1:484:A:LYS:HA	1:485:A:ASN:HB3	3	0.1
(1,1143)	1:408:A:PHE:HA	1:450:A:PHE:HA	19	0.1
(1,1081)	1:440:A:LYS:HD2	1:441:A:GLN:HG3	14	0.1
(1,1081)	1:440:A:LYS:HD3	1:441:A:GLN:HG3	14	0.1
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB2	3	0.1
(1,1059)	1:411:A:HIS:HB3	1:477:A:LYS:HB3	3	0.1
(1,1052)	1:411:A:HIS:HB3	1:474:A:LYS:HB2	10	0.1
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG2	6	0.1
(1,1020)	1:438:A:ILE:HA	1:440:A:LYS:HG3	6	0.1
(1,994)	1:403:A:GLU:HG3	1:404:A:GLY:H	7	0.1
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	5	0.1
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	5	0.1
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	6	0.1
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	6	0.1
(1,978)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	6	0.1
(1,976)	1:432:A:ILE:HD11	1:453:A:TYR:HA	14	0.1
(1,976)	1:432:A:ILE:HD12	1:453:A:TYR:HA	14	0.1
(1,976)	1:432:A:ILE:HD13	1:453:A:TYR:HA	14	0.1
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD11	15	0.1
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD12	15	0.1
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD13	15	0.1
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD11	18	0.1
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD12	18	0.1
(1,974)	1:432:A:ILE:H	1:432:A:ILE:HD13	18	0.1
(1,960)	1:409:A:ILE:HA	1:410:A:TYR:HB2	5	0.1
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	17	0.1
(1,959)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	17	0.1
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	17	0.1
(1,959)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	17	0.1
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG2	15	0.1
(1,958)	1:414:A:GLN:HE22	1:415:A:GLU:HG3	15	0.1
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG11	12	0.1
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG12	12	0.1
(1,954)	1:415:A:GLU:HG2	1:436:A:VAL:HG13	12	0.1
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG11	12	0.1
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG12	12	0.1
(1,954)	1:415:A:GLU:HG3	1:436:A:VAL:HG13	12	0.1
(1,939)	1:408:A:PHE:HB3	1:409:A:ILE:HA	1	0.1
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	2	0.1
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	2	0.1
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB2	13	0.1
(1,935)	1:418:A:ASP:HB2	1:435:A:LYS:HB3	13	0.1
(1,928)	1:400:A:GLU:HG2	1:401:A:GLY:H	11	0.1
(1,927)	1:400:A:GLU:HG2	1:406:A:ASN:HB2	12	0.1
(1,916)	1:432:A:ILE:H	1:451:A:VAL:HA	20	0.1
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	16	0.1
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	16	0.1
(1,912)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	16	0.1
(1,905)	1:416:A:PHE:HD1	1:421:A:ILE:HD11	17	0.1
(1,905)	1:416:A:PHE:HD1	1:421:A:ILE:HD12	17	0.1
(1,905)	1:416:A:PHE:HD1	1:421:A:ILE:HD13	17	0.1
(1,905)	1:416:A:PHE:HD2	1:421:A:ILE:HD11	17	0.1
(1,905)	1:416:A:PHE:HD2	1:421:A:ILE:HD12	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	1:416:A:PHE:HD2	1:421:A:ILE:HD13	17	0.1
(1,900)	1:421:A:ILE:HD11	1:435:A:LYS:H	7	0.1
(1,900)	1:421:A:ILE:HD12	1:435:A:LYS:H	7	0.1
(1,900)	1:421:A:ILE:HD13	1:435:A:LYS:H	7	0.1
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD11	15	0.1
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD12	15	0.1
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD13	15	0.1
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD11	20	0.1
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD12	20	0.1
(1,883)	1:460:A:GLN:H	1:463:A:ILE:HD13	20	0.1
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD11	2	0.1
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD12	2	0.1
(1,854)	1:469:A:PHE:HB2	1:471:A:ILE:HD13	2	0.1
(1,848)	1:421:A:ILE:HB	1:422:A:LEU:H	9	0.1
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD11	11	0.1
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD12	11	0.1
(1,845)	1:414:A:GLN:H	1:471:A:ILE:HD13	11	0.1
(1,842)	1:432:A:ILE:HB	1:433:A:SER:HA	13	0.1
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD11	16	0.1
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD12	16	0.1
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD13	16	0.1
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD21	16	0.1
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD22	16	0.1
(1,840)	1:443:A:ASN:HB3	1:444:A:LEU:HD23	16	0.1
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD11	5	0.1
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD12	5	0.1
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD13	5	0.1
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD21	5	0.1
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD22	5	0.1
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD23	5	0.1
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD11	13	0.1
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD12	13	0.1
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD13	13	0.1
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD21	13	0.1
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD22	13	0.1
(1,834)	1:443:A:ASN:HB2	1:444:A:LEU:HD23	13	0.1
(1,826)	1:407:A:LEU:HB3	1:478:A:VAL:HA	14	0.1
(1,810)	1:458:A:SER:HA	1:461:A:ALA:HB1	17	0.1
(1,810)	1:458:A:SER:HA	1:461:A:ALA:HB2	17	0.1
(1,810)	1:458:A:SER:HA	1:461:A:ALA:HB3	17	0.1
(1,809)	1:458:A:SER:HA	1:460:A:GLN:HB2	3	0.1
(1,809)	1:458:A:SER:HA	1:460:A:GLN:HB3	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	1:463:A:ILE:HB	1:467:A:ASN:HB3	9	0.1
(1,778)	1:409:A:ILE:HD11	1:421:A:ILE:HG12	9	0.1
(1,778)	1:409:A:ILE:HD12	1:421:A:ILE:HG12	9	0.1
(1,778)	1:409:A:ILE:HD13	1:421:A:ILE:HG12	9	0.1
(1,763)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	12	0.1
(1,763)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	12	0.1
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE1	1	0.1
(1,755)	1:431:A:VAL:HA	1:453:A:TYR:HE2	1	0.1
(1,754)	1:402:A:PRO:HA	1:403:A:GLU:HA	8	0.1
(1,754)	1:402:A:PRO:HA	1:403:A:GLU:HA	11	0.1
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB1	1	0.1
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB2	1	0.1
(1,752)	1:402:A:PRO:HA	1:405:A:ALA:HB3	1	0.1
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB1	4	0.1
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB2	4	0.1
(1,749)	1:458:A:SER:HB2	1:462:A:ALA:HB3	4	0.1
(1,728)	1:431:A:VAL:HA	1:432:A:ILE:HA	4	0.1
(1,728)	1:431:A:VAL:HA	1:432:A:ILE:HA	14	0.1
(1,712)	1:430:A:ASN:H	1:458:A:SER:HB2	4	0.1
(1,709)	1:429:A:GLY:HA2	1:458:A:SER:HB3	3	0.1
(1,687)	1:438:A:ILE:HG21	1:444:A:LEU:HD11	18	0.1
(1,687)	1:438:A:ILE:HG21	1:444:A:LEU:HD12	18	0.1
(1,687)	1:438:A:ILE:HG21	1:444:A:LEU:HD13	18	0.1
(1,687)	1:438:A:ILE:HG21	1:444:A:LEU:HD21	18	0.1
(1,687)	1:438:A:ILE:HG21	1:444:A:LEU:HD22	18	0.1
(1,687)	1:438:A:ILE:HG21	1:444:A:LEU:HD23	18	0.1
(1,687)	1:438:A:ILE:HG22	1:444:A:LEU:HD11	18	0.1
(1,687)	1:438:A:ILE:HG22	1:444:A:LEU:HD12	18	0.1
(1,687)	1:438:A:ILE:HG22	1:444:A:LEU:HD13	18	0.1
(1,687)	1:438:A:ILE:HG22	1:444:A:LEU:HD21	18	0.1
(1,687)	1:438:A:ILE:HG22	1:444:A:LEU:HD22	18	0.1
(1,687)	1:438:A:ILE:HG22	1:444:A:LEU:HD23	18	0.1
(1,687)	1:438:A:ILE:HG23	1:444:A:LEU:HD11	18	0.1
(1,687)	1:438:A:ILE:HG23	1:444:A:LEU:HD12	18	0.1
(1,687)	1:438:A:ILE:HG23	1:444:A:LEU:HD13	18	0.1
(1,687)	1:438:A:ILE:HG23	1:444:A:LEU:HD21	18	0.1
(1,687)	1:438:A:ILE:HG23	1:444:A:LEU:HD22	18	0.1
(1,687)	1:438:A:ILE:HG23	1:444:A:LEU:HD23	18	0.1
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG21	11	0.1
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG22	11	0.1
(1,684)	1:469:A:PHE:HD1	1:471:A:ILE:HG23	11	0.1
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG21	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG22	11	0.1
(1,684)	1:469:A:PHE:HD2	1:471:A:ILE:HG23	11	0.1
(1,642)	1:463:A:ILE:HG21	1:464:A:GLN:H	6	0.1
(1,642)	1:463:A:ILE:HG22	1:464:A:GLN:H	6	0.1
(1,642)	1:463:A:ILE:HG23	1:464:A:GLN:H	6	0.1
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG21	1	0.1
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG22	1	0.1
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG23	1	0.1
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG21	14	0.1
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG22	14	0.1
(1,635)	1:401:A:GLY:H	1:432:A:ILE:HG23	14	0.1
(1,634)	1:488:A:LYS:HB2	1:489:A:PRO:HA	20	0.1
(1,634)	1:488:A:LYS:HB3	1:489:A:PRO:HA	20	0.1
(1,632)	1:438:A:ILE:HG21	1:445:A:SER:HB2	7	0.1
(1,632)	1:438:A:ILE:HG22	1:445:A:SER:HB2	7	0.1
(1,632)	1:438:A:ILE:HG23	1:445:A:SER:HB2	7	0.1
(1,625)	1:466:A:MET:HG2	1:469:A:PHE:HB2	5	0.1
(1,625)	1:466:A:MET:HG3	1:469:A:PHE:HB2	5	0.1
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB1	3	0.1
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB2	3	0.1
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB3	3	0.1
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB1	14	0.1
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB2	14	0.1
(1,583)	1:453:A:TYR:HB3	1:459:A:ALA:HB3	14	0.1
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG21	5	0.1
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG22	5	0.1
(1,563)	1:421:A:ILE:H	1:421:A:ILE:HG23	5	0.1
(1,555)	1:421:A:ILE:HG21	1:436:A:VAL:H	16	0.1
(1,555)	1:421:A:ILE:HG22	1:436:A:VAL:H	16	0.1
(1,555)	1:421:A:ILE:HG23	1:436:A:VAL:H	16	0.1
(1,537)	1:455:A:ASN:HB3	1:457:A:VAL:HB	12	0.1
(1,532)	1:455:A:ASN:HB2	1:457:A:VAL:HB	8	0.1
(1,532)	1:455:A:ASN:HB2	1:457:A:VAL:HB	20	0.1
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG21	14	0.1
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG22	14	0.1
(1,520)	1:422:A:LEU:HB3	1:431:A:VAL:HG23	14	0.1
(1,514)	1:435:A:LYS:HE2	1:439:A:ASP:HB2	11	0.1
(1,514)	1:435:A:LYS:HE3	1:439:A:ASP:HB2	11	0.1
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE2	20	0.1
(1,505)	1:481:A:LYS:H	1:481:A:LYS:HE3	20	0.1
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	4	0.1
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	4	0.1
(1,485)	1:462:A:ALA:HB1	1:465:A:ALA:H	14	0.1
(1,485)	1:462:A:ALA:HB2	1:465:A:ALA:H	14	0.1
(1,485)	1:462:A:ALA:HB3	1:465:A:ALA:H	14	0.1
(1,484)	1:462:A:ALA:HB1	1:464:A:GLN:H	3	0.1
(1,484)	1:462:A:ALA:HB2	1:464:A:GLN:H	3	0.1
(1,484)	1:462:A:ALA:HB3	1:464:A:GLN:H	3	0.1
(1,478)	1:462:A:ALA:HB1	1:466:A:MET:H	5	0.1
(1,478)	1:462:A:ALA:HB2	1:466:A:MET:H	5	0.1
(1,478)	1:462:A:ALA:HB3	1:466:A:MET:H	5	0.1
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE2	3	0.1
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE3	3	0.1
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE2	9	0.1
(1,477)	1:411:A:HIS:HB3	1:474:A:LYS:HE3	9	0.1
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE2	3	0.1
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE3	3	0.1
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE2	10	0.1
(1,470)	1:474:A:LYS:HB3	1:474:A:LYS:HE3	10	0.1
(1,455)	1:438:A:ILE:HA	1:439:A:ASP:HB3	12	0.1
(1,433)	1:432:A:ILE:H	1:433:A:SER:HB3	11	0.1
(1,433)	1:432:A:ILE:H	1:433:A:SER:HB3	16	0.1
(1,425)	1:433:A:SER:HB2	1:434:A:ALA:HA	8	0.1
(1,416)	1:453:A:TYR:HB2	1:459:A:ALA:H	14	0.1
(1,398)	1:463:A:ILE:HA	1:467:A:ASN:HD22	19	0.1
(1,368)	1:432:A:ILE:HB	1:452:A:SER:HB2	20	0.1
(1,365)	1:409:A:ILE:HG21	1:425:A:PHE:HD1	12	0.1
(1,365)	1:409:A:ILE:HG21	1:425:A:PHE:HD2	12	0.1
(1,365)	1:409:A:ILE:HG22	1:425:A:PHE:HD1	12	0.1
(1,365)	1:409:A:ILE:HG22	1:425:A:PHE:HD2	12	0.1
(1,365)	1:409:A:ILE:HG23	1:425:A:PHE:HD1	12	0.1
(1,365)	1:409:A:ILE:HG23	1:425:A:PHE:HD2	12	0.1
(1,364)	1:409:A:ILE:HG21	1:411:A:HIS:H	20	0.1
(1,364)	1:409:A:ILE:HG22	1:411:A:HIS:H	20	0.1
(1,364)	1:409:A:ILE:HG23	1:411:A:HIS:H	20	0.1
(1,363)	1:409:A:ILE:HG21	1:476:A:LEU:H	8	0.1
(1,363)	1:409:A:ILE:HG22	1:476:A:LEU:H	8	0.1
(1,363)	1:409:A:ILE:HG23	1:476:A:LEU:H	8	0.1
(1,354)	1:432:A:ILE:HB	1:452:A:SER:HB3	3	0.1
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	20	0.1
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	20	0.1
(1,351)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	20	0.1
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	6	0.1
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	6	0.1
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	18	0.1
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	18	0.1
(1,283)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	18	0.1
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	10	0.1
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	10	0.1
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	10	0.1
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	12	0.1
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	12	0.1
(1,282)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	12	0.1
(1,273)	1:434:A:ALA:HB1	1:435:A:LYS:H	10	0.1
(1,273)	1:434:A:ALA:HB2	1:435:A:LYS:H	10	0.1
(1,273)	1:434:A:ALA:HB3	1:435:A:LYS:H	10	0.1
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB1	10	0.1
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB2	10	0.1
(1,268)	1:462:A:ALA:HA	1:465:A:ALA:HB3	10	0.1
(1,234)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	2	0.1
(1,234)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	2	0.1
(1,234)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	2	0.1
(1,234)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	2	0.1
(1,234)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	2	0.1
(1,234)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	2	0.1
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG21	18	0.1
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG22	18	0.1
(1,230)	1:409:A:ILE:H	1:451:A:VAL:HG23	18	0.1
(1,217)	1:429:A:GLY:HA3	1:455:A:ASN:HD21	11	0.1
(1,204)	1:457:A:VAL:HG11	1:459:A:ALA:H	1	0.1
(1,204)	1:457:A:VAL:HG12	1:459:A:ALA:H	1	0.1
(1,204)	1:457:A:VAL:HG13	1:459:A:ALA:H	1	0.1
(1,204)	1:457:A:VAL:HG21	1:459:A:ALA:H	1	0.1
(1,204)	1:457:A:VAL:HG22	1:459:A:ALA:H	1	0.1
(1,204)	1:457:A:VAL:HG23	1:459:A:ALA:H	1	0.1
(1,204)	1:457:A:VAL:HG11	1:459:A:ALA:H	3	0.1
(1,204)	1:457:A:VAL:HG12	1:459:A:ALA:H	3	0.1
(1,204)	1:457:A:VAL:HG13	1:459:A:ALA:H	3	0.1
(1,204)	1:457:A:VAL:HG21	1:459:A:ALA:H	3	0.1
(1,204)	1:457:A:VAL:HG22	1:459:A:ALA:H	3	0.1
(1,204)	1:457:A:VAL:HG23	1:459:A:ALA:H	3	0.1
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	10	0.1
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	10	0.1
(1,183)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	10	0.1
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	10	0.1
(1,183)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	10	0.1
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	10	0.1
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	10	0.1
(1,183)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	10	0.1
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	1	0.1
(1,177)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	1	0.1
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	1	0.1
(1,177)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	1	0.1
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	1	0.1
(1,177)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	1	0.1
(1,167)	1:468:A:GLY:HA2	1:476:A:LEU:HB2	20	0.1
(1,167)	1:468:A:GLY:HA2	1:476:A:LEU:HB3	20	0.1
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD11	4	0.1
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD12	4	0.1
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD13	4	0.1
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD21	4	0.1
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD22	4	0.1
(1,147)	1:443:A:ASN:H	1:444:A:LEU:HD23	4	0.1
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD11	5	0.1
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD12	5	0.1
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD13	5	0.1
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD21	5	0.1
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD22	5	0.1
(1,143)	1:470:A:GLN:HA	1:476:A:LEU:HD23	5	0.1
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	14	0.1
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	14	0.1
(1,136)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	14	0.1
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	14	0.1
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	14	0.1
(1,136)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	14	0.1
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	14	0.1
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	14	0.1
(1,136)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	14	0.1
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	14	0.1
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	14	0.1
(1,136)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	14	0.1
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	14	0.1
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	14	0.1
(1,136)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	14	0.1
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	14	0.1
(1,136)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	14	0.1
(1,116)	1:422:A:LEU:HD11	1:451:A:VAL:HG11	13	0.1
(1,116)	1:422:A:LEU:HD11	1:451:A:VAL:HG12	13	0.1
(1,116)	1:422:A:LEU:HD11	1:451:A:VAL:HG13	13	0.1
(1,116)	1:422:A:LEU:HD12	1:451:A:VAL:HG11	13	0.1
(1,116)	1:422:A:LEU:HD12	1:451:A:VAL:HG12	13	0.1
(1,116)	1:422:A:LEU:HD12	1:451:A:VAL:HG13	13	0.1
(1,116)	1:422:A:LEU:HD13	1:451:A:VAL:HG11	13	0.1
(1,116)	1:422:A:LEU:HD13	1:451:A:VAL:HG12	13	0.1
(1,116)	1:422:A:LEU:HD13	1:451:A:VAL:HG13	13	0.1
(1,116)	1:422:A:LEU:HD21	1:451:A:VAL:HG11	13	0.1
(1,116)	1:422:A:LEU:HD21	1:451:A:VAL:HG12	13	0.1
(1,116)	1:422:A:LEU:HD21	1:451:A:VAL:HG13	13	0.1
(1,116)	1:422:A:LEU:HD22	1:451:A:VAL:HG11	13	0.1
(1,116)	1:422:A:LEU:HD22	1:451:A:VAL:HG12	13	0.1
(1,116)	1:422:A:LEU:HD22	1:451:A:VAL:HG13	13	0.1
(1,116)	1:422:A:LEU:HD23	1:451:A:VAL:HG11	13	0.1
(1,116)	1:422:A:LEU:HD23	1:451:A:VAL:HG12	13	0.1
(1,116)	1:422:A:LEU:HD23	1:451:A:VAL:HG13	13	0.1
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD11	11	0.1
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD12	11	0.1
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD13	11	0.1
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD21	11	0.1
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD22	11	0.1
(1,106)	1:412:A:LEU:HA	1:412:A:LEU:HD23	11	0.1
(1,84)	1:422:A:LEU:HD11	1:423:A:GLN:HE21	19	0.1
(1,84)	1:422:A:LEU:HD12	1:423:A:GLN:HE21	19	0.1
(1,84)	1:422:A:LEU:HD13	1:423:A:GLN:HE21	19	0.1
(1,84)	1:422:A:LEU:HD21	1:423:A:GLN:HE21	19	0.1
(1,84)	1:422:A:LEU:HD22	1:423:A:GLN:HE21	19	0.1
(1,84)	1:422:A:LEU:HD23	1:423:A:GLN:HE21	19	0.1
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD11	20	0.1
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD12	20	0.1
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD13	20	0.1
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD21	20	0.1
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD22	20	0.1
(1,81)	1:442:A:THR:HB	1:444:A:LEU:HD23	20	0.1
(1,47)	1:412:A:LEU:HG	1:449:A:GLY:H	5	0.1
(1,40)	1:409:A:ILE:HD11	1:476:A:LEU:HG	15	0.1
(1,40)	1:409:A:ILE:HD12	1:476:A:LEU:HG	15	0.1
(1,40)	1:409:A:ILE:HD13	1:476:A:LEU:HG	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:469:A:PHE:HB3	1:476:A:LEU:HG	5	0.1
(1,36)	1:425:A:PHE:HE1	1:476:A:LEU:HG	10	0.1
(1,36)	1:425:A:PHE:HE2	1:476:A:LEU:HG	10	0.1
(1,31)	1:402:A:PRO:HD3	1:455:A:ASN:H	18	0.1
(1,31)	1:402:A:PRO:HD3	1:455:A:ASN:H	19	0.1
(1,12)	1:407:A:LEU:HG	1:453:A:TYR:HD1	15	0.1
(1,12)	1:407:A:LEU:HG	1:453:A:TYR:HD2	15	0.1
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG21	1	0.1
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG22	1	0.1
(1,9)	1:407:A:LEU:HG	1:478:A:VAL:HG23	1	0.1
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	18	0.1
(1,3)	1:407:A:LEU:HG	1:408:A:PHE:H	19	0.1

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

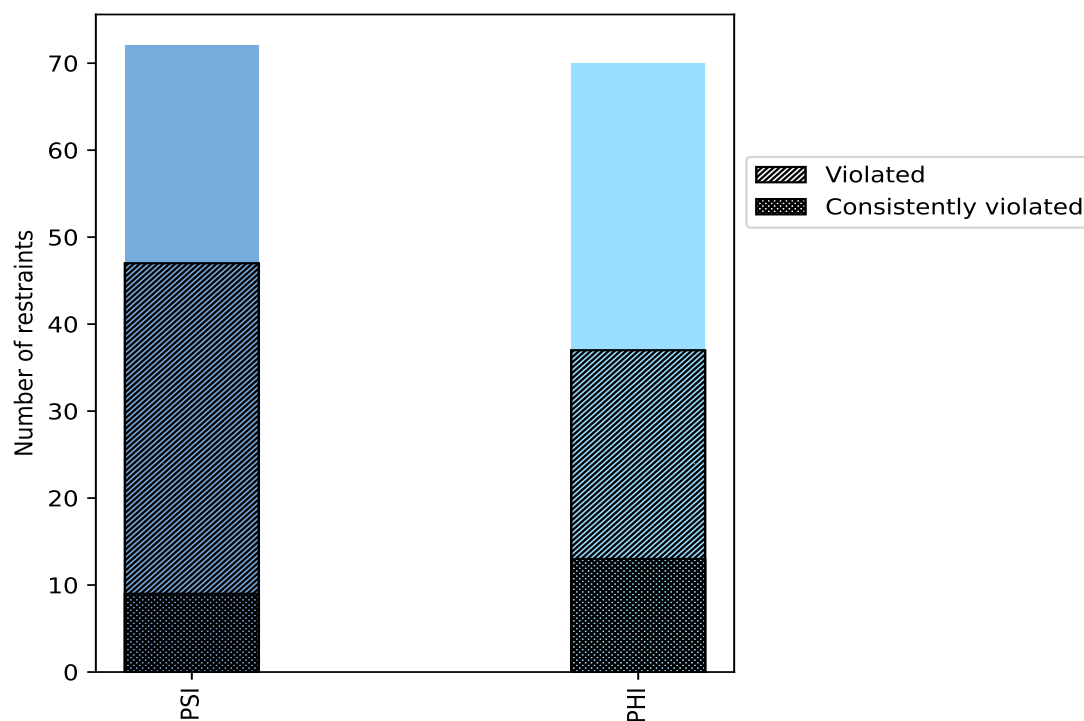
10.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PSI	72	50.7	47	65.3	33.1	9	12.5	6.3
PHI	70	49.3	37	52.9	26.1	13	18.6	9.2
Total	142	100.0	84	59.2	59.2	22	15.5	15.5

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

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



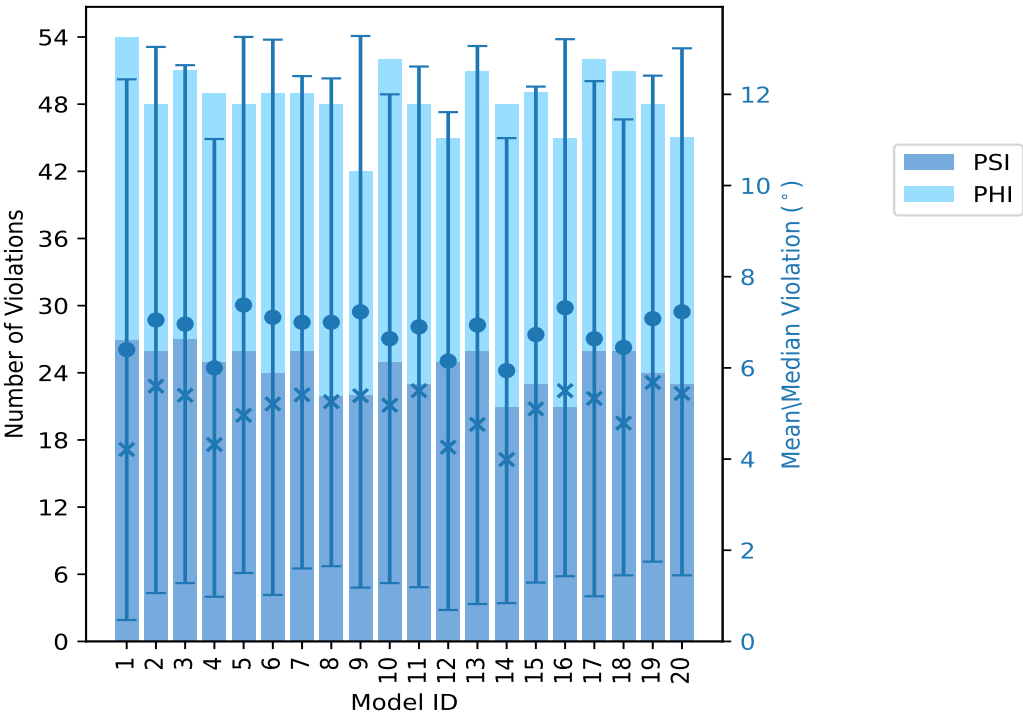
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	27	27	54	6.4	24.9	5.93	4.21
2	26	22	48	7.05	23.74	5.99	5.6
3	27	24	51	6.96	23.42	5.68	5.4
4	25	24	49	6.0	22.49	5.02	4.32
5	26	22	48	7.38	23.92	5.88	4.96
6	24	25	49	7.11	24.55	6.09	5.21
7	26	23	49	7.0	23.7	5.4	5.41
8	22	26	48	7.0	23.25	5.35	5.26
9	22	20	42	7.23	25.89	6.05	5.39
10	25	27	52	6.64	24.93	5.36	5.18
11	23	25	48	6.9	23.68	5.71	5.5
12	25	20	45	6.15	21.5	5.46	4.26
13	26	25	51	6.94	24.3	6.12	4.76
14	21	27	48	5.94	22.0	5.1	3.99
15	23	26	49	6.73	24.75	5.44	5.1
16	21	24	45	7.32	22.52	5.89	5.5
17	26	26	52	6.64	23.7	5.65	5.33
18	26	25	51	6.45	22.14	5.0	4.79
19	24	24	48	7.08	23.72	5.33	5.68
20	23	22	45	7.23	25.25	5.78	5.44

10.2.1 Bar graph : Dihedral violation statistics for each model [i](#)



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

10.3 Dihedral-angle violation statistics for the ensemble [i](#)

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

Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count ¹	%
5	5	10	1	5.0
5	1	6	2	10.0
2	1	3	3	15.0
1	0	1	4	20.0
4	2	6	5	25.0
2	1	3	6	30.0
1	0	1	7	35.0
3	0	3	8	40.0
3	1	4	9	45.0
1	2	3	10	50.0
0	0	0	11	55.0

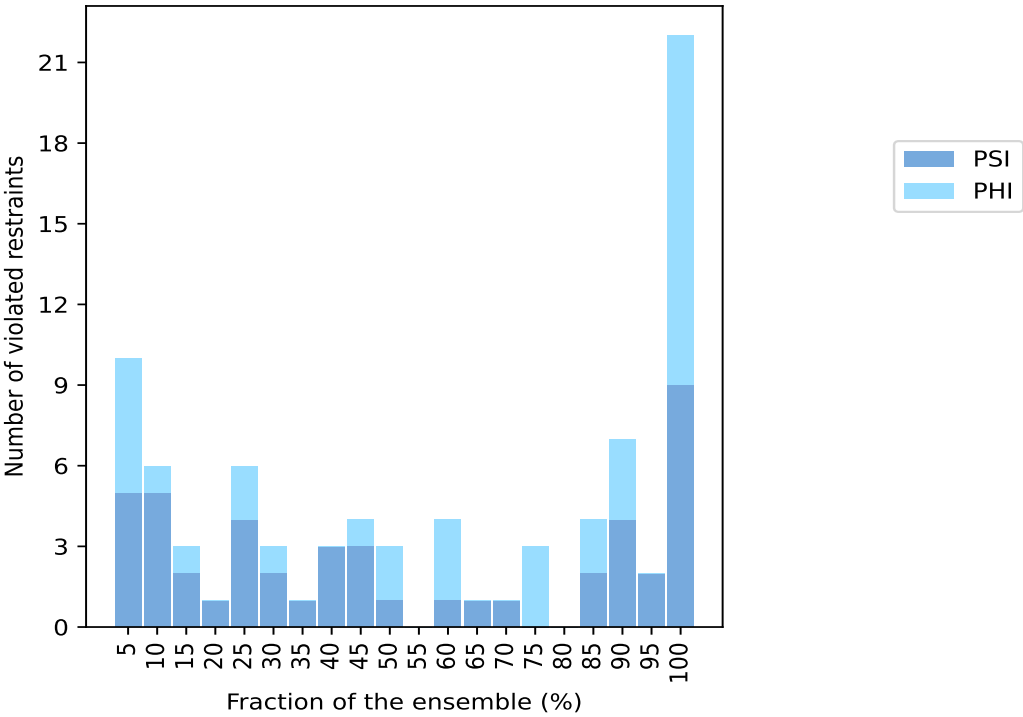
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Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count ¹	%
1	3	4	12	60.0
1	0	1	13	65.0
1	0	1	14	70.0
0	3	3	15	75.0
0	0	0	16	80.0
2	2	4	17	85.0
4	3	7	18	90.0
2	0	2	19	95.0
9	13	22	20	100.0

¹ Number of models with violations

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

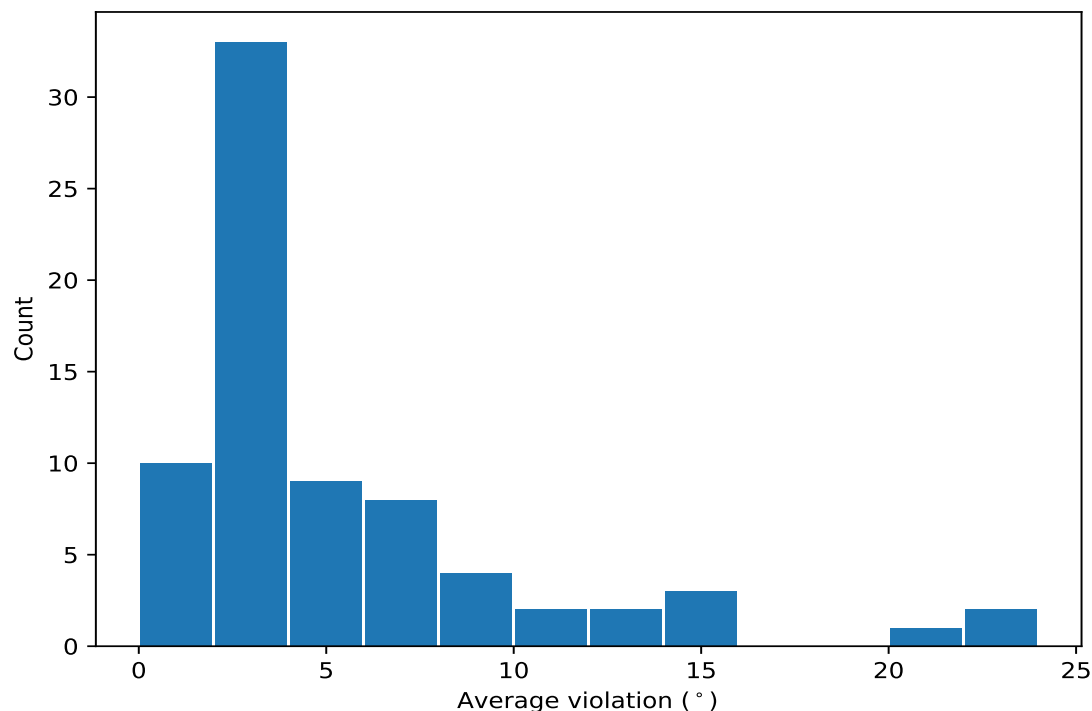


10.4 Most violated dihedral-angle restraints in the ensemble ⓘ

10.4.1 Histogram : Distribution of mean dihedral-angle violations ⓘ

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

in the ensemble



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

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	20	23.03	1.36	23.09
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	20	22.9	1.21	22.79
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	20	20.64	2.48	20.2
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	20	14.5	2.38	15.25
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	20	14.45	2.6	13.95
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	20	14.32	1.14	14.12
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	20	13.14	2.04	13.42
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	20	12.51	2.25	12.38
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	20	11.08	2.87	11.18
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	20	10.05	4.15	11.11
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	20	9.06	1.97	8.54
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	20	8.57	2.29	8.52
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	20	8.56	1.23	8.62
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	20	8.48	2.46	8.57
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	20	7.16	1.18	7.06
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	20	6.59	1.92	6.06
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	20	6.4	1.14	6.46
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	20	6.34	1.53	6.34
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	20	6.19	2.26	6.48
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	20	5.5	1.93	5.72

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	20	3.23	1.46	2.93
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	20	3.21	0.99	3.09
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	19	6.65	1.61	6.64
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	19	5.35	2.52	4.89
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	18	5.31	1.6	5.2
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	18	4.63	1.32	4.36
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	18	4.08	1.97	3.22
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	18	3.83	1.25	4.22
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	18	3.82	1.84	3.8
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	18	2.66	0.92	2.64
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	18	2.49	1.23	2.42
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	17	7.38	3.94	6.22
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	17	4.76	1.7	4.59
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	17	3.5	1.04	3.75
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	17	2.68	0.98	2.98
(1,87)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	15	6.15	2.15	6.29
(1,141)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	15	4.98	2.93	4.63
(1,135)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	15	4.07	1.24	3.89
(1,31)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	14	2.15	0.73	1.94
(1,82)	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	1:451:A:VAL:N	13	2.69	0.93	2.67
(1,51)	1:432:A:ILE:C	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	12	3.5	1.75	3.24
(1,126)	1:473:A:MET:N	1:473:A:MET:CA	1:473:A:MET:C	1:474:A:LYS:N	12	2.77	1.45	2.33
(1,71)	1:442:A:THR:C	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	12	2.7	0.98	2.4
(1,49)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	12	2.32	0.87	2.3
(1,77)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	10	5.11	3.77	3.66
(1,79)	1:448:A:PHE:C	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	10	3.94	2.56	2.66
(1,142)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	10	3.3	2.11	2.64
(1,48)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	9	2.62	0.75	2.59
(1,35)	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	1:424:A:MET:N	9	2.23	1.12	1.68
(1,122)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	9	2.03	0.9	1.76
(1,121)	1:470:A:GLN:C	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	9	1.63	0.41	1.55
(1,42)	1:427:A:PRO:N	1:427:A:PRO:CA	1:427:A:PRO:C	1:428:A:PHE:N	8	2.53	1.02	2.23
(1,70)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	8	1.74	0.36	1.84
(1,44)	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	1:429:A:GLY:N	8	1.73	0.38	1.67
(1,19)	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	1:416:A:PHE:N	7	2.64	1.01	2.43
(1,67)	1:440:A:LYS:C	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	6	2.07	0.53	2.22
(1,14)	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	1:413:A:PRO:N	6	2.0	0.88	1.68
(1,112)	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	1:467:A:ASN:N	6	1.24	0.17	1.19
(1,85)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	5	3.83	0.9	3.84
(1,76)	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1:446:A:LYS:N	5	2.87	0.9	3.11
(1,37)	1:424:A:MET:N	1:424:A:MET:CA	1:424:A:MET:C	1:425:A:PHE:N	5	2.08	0.89	1.52
(1,23)	1:417:A:GLY:N	1:417:A:GLY:CA	1:417:A:GLY:C	1:418:A:ASP:N	5	1.69	0.78	1.14
(1,84)	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	1:452:A:SER:N	5	1.65	0.5	1.51
(1,63)	1:438:A:ILE:C	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	5	1.51	0.67	1.17
(1,96)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	4	1.99	0.75	1.78
(1,140)	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	1:481:A:LYS:N	3	2.6	1.84	1.61
(1,43)	1:427:A:PRO:C	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	3	2.18	0.87	2.12
(1,4)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	3	2.06	0.64	1.73
(1,124)	1:472:A:GLY:N	1:472:A:GLY:CA	1:472:A:GLY:C	1:473:A:MET:N	2	2.9	0.36	2.9
(1,137)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	2	2.25	0.57	2.25
(1,130)	1:475:A:ARG:N	1:475:A:ARG:CA	1:475:A:ARG:C	1:476:A:LEU:N	2	2.08	0.16	2.08

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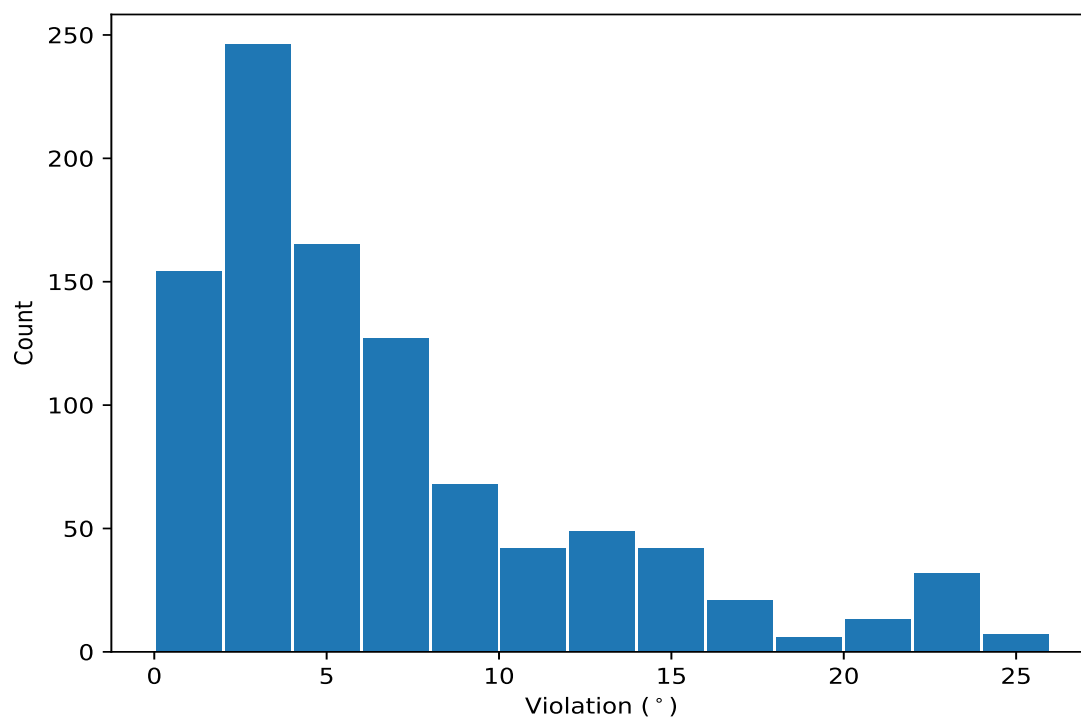
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,138)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	2	2.05	0.78	2.05
(1,50)	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	1:433:A:SER:N	2	1.99	0.76	1.99
(1,68)	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	1:442:A:THR:N	2	1.64	0.36	1.64

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

10.5 All violated dihedral-angle restraints [i](#)

10.5.1 Histogram : Distribution of violations [i](#)

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



10.5.2 Table: All violated dihedral-angle restraints [i](#)

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	9	25.89
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	20	25.25
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	10	24.93
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	1	24.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	15	24.75
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	6	24.55
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	13	24.3
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	5	23.92
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	13	23.91
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	5	23.86
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	2	23.74
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	19	23.72
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	7	23.7
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	17	23.7
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	11	23.68
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	11	23.67
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	6	23.67
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	17	23.58
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	7	23.47
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	2	23.44
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	3	23.42
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	9	23.38
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	8	23.25
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	3	23.21
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	17	23.07
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	13	22.98
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	2	22.8
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	1	22.78
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	20	22.66
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	15	22.6
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	16	22.52
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	4	22.49
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	5	22.49
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	16	22.4
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	11	22.38
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	19	22.26
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	20	22.25
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	18	22.14
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	14	22.0
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	1	21.9
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	14	21.78
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	12	21.5
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	10	21.47
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	10	21.35
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	8	21.22
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	3	20.92
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	12	20.86
(1,15)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	18	20.72
(1,17)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	4	20.65
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	6	20.23
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	16	20.18
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	12	20.1
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	7	19.76
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	19	19.6
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	9	19.31

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	13	18.63
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	6	18.2
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	16	18.07
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	4	17.99
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1	17.97
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	8	17.77
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	2	17.27
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	5	17.25
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	15	17.19
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	16	17.04
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	14	17.02
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	3	16.85
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	10	16.64
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	3	16.53
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	11	16.46
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	3	16.38
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	7	16.35
(1,58)	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	1:437:A:PHE:N	18	16.21
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	20	16.2
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	9	16.16
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	8	16.04
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	16	16.04
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1	16.01
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	8	16.01
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	13	15.93
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	9	15.9
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	6	15.85
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	5	15.84
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	12	15.72
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	6	15.47
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	13	15.45
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	1	15.4
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	15	15.31
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	9	15.25
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	15	15.25
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	6	15.24
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	20	15.1
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	8	15.08
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	3	14.97
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	2	14.91
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	2	14.9
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	12	14.86
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	19	14.84
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	7	14.84
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1	14.81
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	9	14.71
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	11	14.68
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	17	14.67
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	18	14.62
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	2	14.62
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	7	14.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	16	14.49
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	5	14.49
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	15	14.48
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	11	14.35
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	17	14.33
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	11	14.3
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	6	14.23
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	20	14.2
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	19	14.18
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	19	14.14
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	17	14.11
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	15	14.1
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	18	14.07
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	3	14.03
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	2	14.0
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	19	13.8
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	10	13.76
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	20	13.73
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	4	13.61
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	18	13.6
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	13	13.51
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	13	13.46
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	13	13.43
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	18	13.43
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	5	13.42
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	16	13.4
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	5	13.16
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	16	13.16
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	4	13.15
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	5	13.15
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	17	13.11
(1,77)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	6	13.1
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	7	13.08
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	13	13.07
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	17	13.07
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	11	12.98
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	8	12.98
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	10	12.92
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	9	12.9
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	9	12.83
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	16	12.81
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	4	12.8
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	6	12.77
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	12	12.73
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	10	12.58
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	3	12.57
(1,16)	1:413:A:PRO:C	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	14	12.55
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	14	12.52
(1,141)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	18	12.51
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	2	12.45
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	1	12.41

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	7	12.35
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	8	12.3
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	6	12.24
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	10	12.24
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	20	12.21
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	20	12.15
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	2	12.11
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	14	12.08
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	2	12.08
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	19	12.07
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	6	12.04
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	7	12.03
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	14	12.0
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	18	11.96
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	12	11.94
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	14	11.92
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	1	11.88
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1	11.86
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	4	11.79
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	16	11.76
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	15	11.75
(1,77)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	8	11.7
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	14	11.56
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	17	11.51
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	5	11.46
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	15	11.46
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	12	11.24
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	14	11.23
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	13	11.23
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	17	11.2
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	11	11.16
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	5	11.15
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	17	11.13
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	5	11.1
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	13	11.03
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	1	10.99
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	18	10.98
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	12	10.97
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	19	10.88
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	13	10.86
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	20	10.86
(1,59)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	19	10.8
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	8	10.73
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	7	10.54
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	11	10.48
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	10	10.4
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	20	10.38
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	3	10.31
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	1	10.27
(1,87)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	5	10.19
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	6	10.18

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	15	10.16
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	9	10.05
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	19	10.04
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	4	10.03
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	8	9.99
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	4	9.91
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	7	9.86
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	6	9.85
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	15	9.82
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	18	9.78
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	8	9.71
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	8	9.64
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	19	9.62
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	14	9.6
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	15	9.48
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	12	9.48
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	3	9.41
(1,79)	1:448:A:PHE:C	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	8	9.4
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	10	9.39
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	1	9.32
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	17	9.29
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	4	9.22
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	3	9.16
(1,87)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	17	9.1
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	4	9.07
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	16	9.0
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	20	9.0
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	19	8.95
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	13	8.92
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	1	8.87
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	19	8.8
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	16	8.8
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	9	8.75
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	5	8.75
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	17	8.74
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	5	8.73
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	19	8.66
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	8	8.64
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	9	8.64
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	8	8.62
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	4	8.61
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	2	8.59
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	15	8.58
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	18	8.56
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	2	8.55
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	13	8.5
(1,87)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	10	8.49
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	7	8.49
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	18	8.48
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	3	8.47
(1,18)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	12	8.45

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	10	8.41
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	18	8.41
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	2	8.38
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	7	8.38
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1	8.38
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	10	8.38
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	10	8.34
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	9	8.34
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	5	8.29
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	16	8.29
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	15	8.24
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	3	8.23
(1,141)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	3	8.1
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	7	8.1
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	5	8.1
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	1	8.1
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	20	8.09
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	10	8.09
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	14	8.06
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	15	8.03
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	4	8.0
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	2	7.99
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	10	7.98
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	10	7.98
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	8	7.95
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	4	7.93
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	5	7.93
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	11	7.92
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	14	7.92
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	17	7.92
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	5	7.92
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	20	7.91
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	10	7.9
(1,87)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	3	7.83
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	19	7.82
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	15	7.79
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	7	7.76
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	7	7.73
(1,1)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	16	7.73
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	10	7.7
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	5	7.7
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	18	7.66
(1,141)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	19	7.62
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	11	7.61
(1,60)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	6	7.6
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	6	7.58
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	18	7.57
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	6	7.57
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	12	7.56
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	2	7.56
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	16	7.55

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	5	7.54
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	3	7.52
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	15	7.51
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	20	7.46
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	16	7.45
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	17	7.41
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	6	7.4
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	15	7.39
(1,51)	1:432:A:ILE:C	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	11	7.39
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	11	7.38
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	11	7.37
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	19	7.35
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	2	7.33
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	3	7.32
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	12	7.32
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	18	7.29
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	11	7.29
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	7	7.24
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	4	7.22
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	3	7.21
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	11	7.18
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	19	7.18
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	11	7.13
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	10	7.13
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	14	7.11
(1,141)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	13	7.02
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	17	7.02
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	11	7.01
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	2	6.98
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	4	6.97
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	13	6.97
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	7	6.94
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	12	6.94
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	10	6.91
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	20	6.91
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	12	6.9
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	4	6.89
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	12	6.89
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	8	6.88
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	17	6.87
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	7	6.86
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	19	6.85
(1,87)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	12	6.84
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	11	6.84
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	13	6.77
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	14	6.75
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	9	6.73
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	10	6.73
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	3	6.72
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	13	6.68
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	2	6.67

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	3	6.66
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	1	6.64
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	9	6.64
(1,79)	1:448:A:PHE:C	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	6	6.63
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1	6.63
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	17	6.6
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	13	6.59
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	3	6.59
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	8	6.58
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	9	6.57
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	17	6.52
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	9	6.5
(1,87)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	18	6.48
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	18	6.47
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	14	6.43
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	13	6.42
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	13	6.42
(1,87)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	11	6.4
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	9	6.39
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	5	6.34
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	18	6.34
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	2	6.33
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	2	6.31
(1,87)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	8	6.29
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	17	6.28
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	15	6.27
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	4	6.26
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	7	6.24
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	13	6.23
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	3	6.23
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	11	6.22
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	13	6.22
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	4	6.21
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	15	6.2
(1,87)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	19	6.19
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	4	6.13
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	19	6.13
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	9	6.13
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	12	6.11
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	8	6.11
(1,142)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	7	6.1
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	16	6.07
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	20	6.07
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	8	6.02
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	10	6.02
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	9	6.01
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	7	5.99
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	16	5.97
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	11	5.96
(1,39)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	16	5.96
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	2	5.94

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	8	5.93
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	18	5.92
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	15	5.9
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	3	5.9
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	18	5.89
(1,141)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	10	5.87
(1,135)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	2	5.86
(1,79)	1:448:A:PHE:C	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	2	5.84
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	16	5.84
(1,61)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	20	5.82
(1,135)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	19	5.81
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	18	5.81
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	20	5.8
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	19	5.79
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	14	5.79
(1,142)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	1	5.78
(1,126)	1:473:A:MET:N	1:473:A:MET:CA	1:473:A:MET:C	1:474:A:LYS:N	1	5.78
(1,141)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	7	5.76
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	3	5.76
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	1	5.72
(1,142)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	16	5.7
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	14	5.7
(1,87)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	20	5.69
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	13	5.68
(1,87)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	9	5.65
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	20	5.65
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	20	5.64
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	6	5.63
(1,141)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	6	5.6
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1	5.6
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	6	5.58
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	19	5.58
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	11	5.57
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	17	5.57
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	6	5.53
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	1	5.52
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	16	5.5
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	15	5.47
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	17	5.46
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	8	5.45
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	20	5.44
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	6	5.44
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	7	5.43
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	11	5.43
(1,135)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	15	5.42
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	19	5.42
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	7	5.41
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	10	5.41
(1,142)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	3	5.4
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	17	5.39
(1,135)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	17	5.37

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	2	5.36
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	15	5.35
(1,51)	1:432:A:ILE:C	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	17	5.34
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	10	5.33
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	17	5.32
(1,126)	1:473:A:MET:N	1:473:A:MET:CA	1:473:A:MET:C	1:474:A:LYS:N	20	5.31
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	7	5.31
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	19	5.3
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	11	5.29
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	12	5.27
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	5	5.24
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	18	5.23
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	19	5.22
(1,79)	1:448:A:PHE:C	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	5	5.21
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	6	5.21
(1,140)	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	1:481:A:LYS:N	18	5.18
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	4	5.14
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	9	5.13
(1,135)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1	5.12
(1,85)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1	5.12
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	15	5.1
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	8	5.06
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	10	5.04
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	17	5.02
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	20	5.0
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	10	4.98
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	17	4.95
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	6	4.94
(1,51)	1:432:A:ILE:C	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	2	4.93
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	12	4.92
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	16	4.92
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	20	4.92
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	3	4.89
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	15	4.87
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	12	4.83
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	10	4.81
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	8	4.79
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	20	4.79
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	18	4.79
(1,135)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	13	4.76
(1,74)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	9	4.76
(1,77)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	19	4.74
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	11	4.73
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	5	4.72
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	5	4.7
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	20	4.68
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	7	4.68
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	7	4.68
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	4	4.67
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	8	4.66
(1,42)	1:427:A:PRO:N	1:427:A:PRO:CA	1:427:A:PRO:C	1:428:A:PHE:N	18	4.66

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	7	4.64
(1,141)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	2	4.63
(1,71)	1:442:A:THR:C	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	14	4.63
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	17	4.63
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	6	4.6
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	18	4.59
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	4	4.56
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	17	4.56
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	7	4.55
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	19	4.55
(1,51)	1:432:A:ILE:C	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	18	4.54
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	3	4.53
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	15	4.51
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	4	4.51
(1,141)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	11	4.5
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	16	4.49
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	3	4.49
(1,77)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	18	4.48
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	20	4.45
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	18	4.41
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	12	4.41
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	7	4.41
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	16	4.39
(1,122)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	16	4.36
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	14	4.36
(1,48)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	14	4.36
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	8	4.35
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	18	4.34
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	5	4.32
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	4	4.32
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	9	4.31
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	1	4.31
(1,21)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	1	4.31
(1,85)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	14	4.29
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	19	4.29
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	8	4.27
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	12	4.26
(1,82)	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	1:451:A:VAL:N	8	4.23
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	11	4.23
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	18	4.22
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	5	4.2
(1,76)	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1:446:A:LYS:N	20	4.17
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	9	4.16
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	5	4.16
(1,35)	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	1:424:A:MET:N	20	4.14
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	11	4.13
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	14	4.12
(1,71)	1:442:A:THR:C	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	19	4.12
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	5	4.12
(1,19)	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	1:416:A:PHE:N	1	4.11
(1,77)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	7	4.08

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	16	4.07
(1,20)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	14	4.06
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	10	4.05
(1,49)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	8	4.04
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	4	4.03
(1,19)	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	1:416:A:PHE:N	9	4.02
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	1	4.01
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	15	3.99
(1,87)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	2	3.98
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	6	3.98
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	16	3.96
(1,135)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	10	3.95
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	15	3.95
(1,51)	1:432:A:ILE:C	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	13	3.94
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	8	3.94
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1	3.93
(1,83)	1:450:A:PHE:C	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	14	3.92
(1,135)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	5	3.89
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	7	3.89
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	11	3.88
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	10	3.87
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	5	3.87
(1,47)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	14	3.87
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	9	3.86
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	16	3.86
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	9	3.84
(1,85)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	18	3.84
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	2	3.83
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	11	3.83
(1,71)	1:442:A:THR:C	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	2	3.78
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	3	3.76
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	7	3.76
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	15	3.75
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1	3.74
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	17	3.72
(1,35)	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	1:424:A:MET:N	12	3.7
(1,87)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1	3.69
(1,82)	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	1:451:A:VAL:N	6	3.69
(1,126)	1:473:A:MET:N	1:473:A:MET:CA	1:473:A:MET:C	1:474:A:LYS:N	10	3.68
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	19	3.67
(1,14)	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	1:413:A:PRO:N	13	3.65
(1,135)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	7	3.64
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	16	3.61
(1,82)	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	1:451:A:VAL:N	19	3.61
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	18	3.58
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	14	3.56
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	15	3.55
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	20	3.54
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	6	3.54
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	4	3.53
(1,37)	1:424:A:MET:N	1:424:A:MET:CA	1:424:A:MET:C	1:425:A:PHE:N	3	3.53

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	6	3.51
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1	3.51
(1,31)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	15	3.51
(1,142)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	13	3.47
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	10	3.47
(1,85)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	11	3.47
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	18	3.45
(1,82)	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	1:451:A:VAL:N	12	3.45
(1,35)	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	1:424:A:MET:N	6	3.45
(1,135)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	4	3.44
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	15	3.44
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	11	3.44
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	13	3.43
(1,42)	1:427:A:PRO:N	1:427:A:PRO:CA	1:427:A:PRO:C	1:428:A:PHE:N	2	3.42
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	16	3.41
(1,135)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	8	3.4
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	3	3.4
(1,126)	1:473:A:MET:N	1:473:A:MET:CA	1:473:A:MET:C	1:474:A:LYS:N	3	3.39
(1,49)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	5	3.38
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	6	3.37
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	2	3.35
(1,82)	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	1:451:A:VAL:N	3	3.34
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	17	3.32
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	3	3.32
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	10	3.31
(1,51)	1:432:A:ILE:C	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	16	3.29
(1,76)	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1:446:A:LYS:N	9	3.28
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	9	3.28
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	2	3.27
(1,43)	1:427:A:PRO:C	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	7	3.27
(1,124)	1:472:A:GLY:N	1:472:A:GLY:CA	1:472:A:GLY:C	1:473:A:MET:N	7	3.26
(1,127)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	13	3.24
(1,77)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	15	3.24
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	8	3.24
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	10	3.22
(1,6)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	8	3.22
(1,135)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	18	3.2
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	20	3.2
(1,51)	1:432:A:ILE:C	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	10	3.2
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	5	3.2
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	15	3.17
(1,96)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	19	3.16
(1,79)	1:448:A:PHE:C	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	3	3.16
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	20	3.16
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	20	3.12
(1,135)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	9	3.11
(1,76)	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1:446:A:LYS:N	8	3.11
(1,52)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	4	3.1
(1,82)	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	1:451:A:VAL:N	17	3.07
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	9	3.06
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	8	3.05

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	14	3.04
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	11	3.04
(1,31)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	13	3.03
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	19	3.03
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	11	3.02
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	7	3.02
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	5	3.01
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	9	3.01
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	15	2.98
(1,48)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	10	2.98
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	18	2.97
(1,49)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	19	2.97
(1,4)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	16	2.95
(1,77)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	12	2.94
(1,71)	1:442:A:THR:C	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	3	2.94
(1,48)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	15	2.94
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	19	2.93
(1,31)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	7	2.92
(1,118)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	13	2.9
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	8	2.9
(1,49)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	13	2.89
(1,19)	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	1:416:A:PHE:N	5	2.89
(1,51)	1:432:A:ILE:C	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	14	2.88
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	19	2.88
(1,42)	1:427:A:PRO:N	1:427:A:PRO:CA	1:427:A:PRO:C	1:428:A:PHE:N	17	2.87
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	17	2.86
(1,141)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	8	2.85
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	13	2.85
(1,23)	1:417:A:GLY:N	1:417:A:GLY:CA	1:417:A:GLY:C	1:418:A:ASP:N	13	2.85
(1,138)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	3	2.84
(1,71)	1:442:A:THR:C	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	13	2.84
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	6	2.83
(1,137)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	10	2.82
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	1	2.82
(1,31)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	17	2.81
(1,67)	1:440:A:LYS:C	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	14	2.8
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	5	2.79
(1,77)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	4	2.78
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	12	2.78
(1,63)	1:438:A:ILE:C	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	14	2.77
(1,141)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	20	2.76
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	3	2.75
(1,50)	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	1:433:A:SER:N	5	2.75
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	20	2.74
(1,87)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	15	2.74
(1,37)	1:424:A:MET:N	1:424:A:MET:CA	1:424:A:MET:C	1:425:A:PHE:N	7	2.73
(1,9)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	20	2.73
(1,139)	1:479:A:GLN:C	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	10	2.72
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	4	2.71
(1,126)	1:473:A:MET:N	1:473:A:MET:CA	1:473:A:MET:C	1:474:A:LYS:N	13	2.69
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	4	2.69

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	7	2.67
(1,82)	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	1:451:A:VAL:N	10	2.67
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	2	2.66
(1,135)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	14	2.65
(1,87)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	7	2.65
(1,82)	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	1:451:A:VAL:N	2	2.65
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	2	2.63
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	12	2.62
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	6	2.62
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	15	2.62
(1,31)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	3	2.62
(1,31)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	19	2.62
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	17	2.61
(1,48)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	12	2.6
(1,14)	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	1:413:A:PRO:N	1	2.6
(1,141)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	16	2.59
(1,48)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	11	2.59
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	14	2.58
(1,49)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	7	2.58
(1,124)	1:472:A:GLY:N	1:472:A:GLY:CA	1:472:A:GLY:C	1:473:A:MET:N	5	2.55
(1,116)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	19	2.55
(1,77)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	14	2.55
(1,84)	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	1:452:A:SER:N	4	2.53
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	14	2.52
(1,86)	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1:453:A:TYR:N	4	2.51
(1,71)	1:442:A:THR:C	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	4	2.51
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	12	2.48
(1,126)	1:473:A:MET:N	1:473:A:MET:CA	1:473:A:MET:C	1:474:A:LYS:N	16	2.47
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	8	2.43
(1,48)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	9	2.43
(1,19)	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	1:416:A:PHE:N	13	2.43
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	5	2.42
(1,85)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	4	2.41
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	15	2.41
(1,141)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	14	2.4
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	11	2.4
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	16	2.4
(1,23)	1:417:A:GLY:N	1:417:A:GLY:CA	1:417:A:GLY:C	1:418:A:ASP:N	1	2.4
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	4	2.38
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	16	2.38
(1,12)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	14	2.37
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	3	2.35
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	14	2.35
(1,122)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	4	2.33
(1,49)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	15	2.32
(1,44)	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	1:429:A:GLY:N	12	2.32
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	17	2.3
(1,71)	1:442:A:THR:C	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	12	2.29
(1,49)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	6	2.29
(1,44)	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	1:429:A:GLY:N	14	2.29
(1,42)	1:427:A:PRO:N	1:427:A:PRO:CA	1:427:A:PRO:C	1:428:A:PHE:N	6	2.29

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	17	2.29
(1,121)	1:470:A:GLN:C	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	14	2.28
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	12	2.28
(1,67)	1:440:A:LYS:C	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	9	2.28
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	14	2.28
(1,71)	1:442:A:THR:C	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	18	2.27
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	2	2.26
(1,67)	1:440:A:LYS:C	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	6	2.26
(1,130)	1:475:A:ARG:N	1:475:A:ARG:CA	1:475:A:ARG:C	1:476:A:LEU:N	2	2.23
(1,48)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	4	2.21
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	14	2.21
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	3	2.19
(1,70)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	17	2.19
(1,67)	1:440:A:LYS:C	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	10	2.19
(1,126)	1:473:A:MET:N	1:473:A:MET:CA	1:473:A:MET:C	1:474:A:LYS:N	17	2.18
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	20	2.18
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	1	2.17
(1,79)	1:448:A:PHE:C	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	13	2.17
(1,42)	1:427:A:PRO:N	1:427:A:PRO:CA	1:427:A:PRO:C	1:428:A:PHE:N	3	2.17
(1,122)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	12	2.16
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	4	2.16
(1,76)	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1:446:A:LYS:N	12	2.16
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	19	2.15
(1,125)	1:472:A:GLY:C	1:473:A:MET:N	1:473:A:MET:CA	1:473:A:MET:C	6	2.14
(1,96)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	6	2.14
(1,71)	1:442:A:THR:C	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	11	2.14
(1,51)	1:432:A:ILE:C	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1	2.14
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	1	2.13
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	11	2.13
(1,82)	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	1:451:A:VAL:N	5	2.12
(1,49)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	10	2.12
(1,43)	1:427:A:PRO:C	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	11	2.12
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	16	2.12
(1,70)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	2	2.1
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	10	2.1
(1,121)	1:470:A:GLN:C	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	20	2.09
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	6	2.08
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	8	2.08
(1,31)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	4	2.05
(1,126)	1:473:A:MET:N	1:473:A:MET:CA	1:473:A:MET:C	1:474:A:LYS:N	8	2.03
(1,122)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	3	2.03
(1,121)	1:470:A:GLN:C	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	4	2.02
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	12	2.02
(1,2)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	13	2.02
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	18	2.01
(1,68)	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	1:442:A:THR:N	17	2.01
(1,70)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	5	2.0
(1,48)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	7	2.0
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	10	2.0
(1,131)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	8	1.99
(1,91)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	1	1.97

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	6	1.96
(1,35)	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	1:424:A:MET:N	4	1.96
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	2	1.95
(1,130)	1:475:A:ARG:N	1:475:A:ARG:CA	1:475:A:ARG:C	1:476:A:LEU:N	5	1.92
(1,82)	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	1:451:A:VAL:N	7	1.92
(1,71)	1:442:A:THR:C	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	20	1.91
(1,19)	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	1:416:A:PHE:N	7	1.91
(1,44)	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	1:429:A:GLY:N	13	1.89
(1,70)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	10	1.88
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	3	1.86
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	13	1.85
(1,79)	1:448:A:PHE:C	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	19	1.85
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	1	1.85
(1,31)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	5	1.84
(1,32)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	3	1.83
(1,142)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	15	1.82
(1,84)	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	1:452:A:SER:N	12	1.82
(1,79)	1:448:A:PHE:C	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	17	1.82
(1,42)	1:427:A:PRO:N	1:427:A:PRO:CA	1:427:A:PRO:C	1:428:A:PHE:N	13	1.82
(1,104)	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	1:463:A:ILE:N	18	1.81
(1,70)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	15	1.81
(1,67)	1:440:A:LYS:C	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	5	1.8
(1,14)	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	1:413:A:PRO:N	18	1.8
(1,71)	1:442:A:THR:C	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	16	1.79
(1,122)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	17	1.76
(1,126)	1:473:A:MET:N	1:473:A:MET:CA	1:473:A:MET:C	1:474:A:LYS:N	18	1.75
(1,55)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	3	1.74
(1,4)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	3	1.73
(1,121)	1:470:A:GLN:C	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	15	1.72
(1,114)	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	1:468:A:GLY:N	20	1.72
(1,31)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	11	1.72
(1,75)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	12	1.71
(1,79)	1:448:A:PHE:C	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	1	1.7
(1,19)	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	1:416:A:PHE:N	11	1.7
(1,44)	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	1:429:A:GLY:N	4	1.69
(1,137)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	17	1.68
(1,51)	1:432:A:ILE:C	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	3	1.68
(1,35)	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	1:424:A:MET:N	9	1.68
(1,113)	1:466:A:MET:C	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	15	1.67
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	13	1.67
(1,42)	1:427:A:PRO:N	1:427:A:PRO:CA	1:427:A:PRO:C	1:428:A:PHE:N	8	1.67
(1,44)	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	1:429:A:GLY:N	9	1.66
(1,51)	1:432:A:ILE:C	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	6	1.65
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	13	1.64
(1,140)	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	1:481:A:LYS:N	5	1.61
(1,112)	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	1:467:A:ASN:N	3	1.61
(1,76)	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1:446:A:LYS:N	10	1.61
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	12	1.6
(1,63)	1:438:A:ILE:C	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	4	1.6
(1,79)	1:448:A:PHE:C	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	12	1.59
(1,126)	1:473:A:MET:N	1:473:A:MET:CA	1:473:A:MET:C	1:474:A:LYS:N	12	1.58

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,122)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	1	1.58
(1,122)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	20	1.58
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	14	1.58
(1,35)	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	1:424:A:MET:N	2	1.58
(1,142)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	9	1.57
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	2	1.57
(1,38)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	4	1.57
(1,14)	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	1:413:A:PRO:N	5	1.57
(1,31)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	2	1.56
(1,121)	1:470:A:GLN:C	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1	1.55
(1,82)	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	1:451:A:VAL:N	9	1.55
(1,31)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	10	1.54
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	6	1.53
(1,49)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	1	1.53
(1,70)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	12	1.52
(1,37)	1:424:A:MET:N	1:424:A:MET:CA	1:424:A:MET:C	1:425:A:PHE:N	16	1.52
(1,121)	1:470:A:GLN:C	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	16	1.51
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	1	1.51
(1,84)	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	1:452:A:SER:N	18	1.51
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	18	1.5
(1,82)	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	1:451:A:VAL:N	1	1.49
(1,48)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	18	1.49
(1,4)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	14	1.49
(1,77)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	1	1.48
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	2	1.48
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	16	1.46
(1,141)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	15	1.43
(1,135)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	20	1.43
(1,96)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	14	1.42
(1,90)	1:454:A:ASP:N	1:454:A:ASP:CA	1:454:A:ASP:C	1:455:A:ASN:N	9	1.41
(1,73)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	7	1.4
(1,19)	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	1:416:A:PHE:N	6	1.4
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	18	1.39
(1,31)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	1	1.39
(1,111)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	13	1.38
(1,49)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	3	1.36
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	6	1.35
(1,70)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	19	1.34
(1,37)	1:424:A:MET:N	1:424:A:MET:CA	1:424:A:MET:C	1:425:A:PHE:N	11	1.34
(1,31)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	18	1.34
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	10	1.33
(1,44)	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	1:429:A:GLY:N	2	1.33
(1,44)	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	1:429:A:GLY:N	17	1.33
(1,44)	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	1:429:A:GLY:N	18	1.33
(1,42)	1:427:A:PRO:N	1:427:A:PRO:CA	1:427:A:PRO:C	1:428:A:PHE:N	19	1.33
(1,14)	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	1:413:A:PRO:N	2	1.33
(1,122)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	8	1.32
(1,121)	1:470:A:GLN:C	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	17	1.32
(1,35)	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	1:424:A:MET:N	10	1.32
(1,126)	1:473:A:MET:N	1:473:A:MET:CA	1:473:A:MET:C	1:474:A:LYS:N	4	1.31
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	9	1.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,37)	1:424:A:MET:N	1:424:A:MET:CA	1:424:A:MET:C	1:425:A:PHE:N	15	1.3
(1,68)	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	1:442:A:THR:N	11	1.28
(1,138)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	4	1.27
(1,96)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	9	1.25
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	17	1.25
(1,84)	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	1:452:A:SER:N	1	1.25
(1,112)	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	1:467:A:ASN:N	11	1.24
(1,54)	1:434:A:ALA:N	1:434:A:ALA:CA	1:434:A:ALA:C	1:435:A:LYS:N	1	1.24
(1,50)	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	1:433:A:SER:N	19	1.23
(1,49)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	17	1.23
(1,112)	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	1:467:A:ASN:N	1	1.2
(1,112)	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	1:467:A:ASN:N	6	1.18
(1,63)	1:438:A:ILE:C	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	8	1.17
(1,122)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	14	1.16
(1,82)	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	1:451:A:VAL:N	18	1.16
(1,112)	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	1:467:A:ASN:N	7	1.15
(1,71)	1:442:A:THR:C	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	1	1.15
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	1	1.15
(1,43)	1:427:A:PRO:C	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	15	1.15
(1,35)	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	1:424:A:MET:N	5	1.14
(1,31)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	6	1.14
(1,23)	1:417:A:GLY:N	1:417:A:GLY:CA	1:417:A:GLY:C	1:418:A:ASP:N	20	1.14
(1,110)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	19	1.13
(1,84)	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	1:452:A:SER:N	15	1.13
(1,49)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	16	1.13
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	11	1.11
(1,70)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	4	1.11
(1,141)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	12	1.1
(1,121)	1:470:A:GLN:C	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	11	1.1
(1,35)	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	1:424:A:MET:N	18	1.1
(1,126)	1:473:A:MET:N	1:473:A:MET:CA	1:473:A:MET:C	1:474:A:LYS:N	2	1.09
(1,22)	1:416:A:PHE:C	1:417:A:GLY:N	1:417:A:GLY:CA	1:417:A:GLY:C	13	1.09
(1,142)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	6	1.08
(1,142)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	17	1.08
(1,121)	1:470:A:GLN:C	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	10	1.08
(1,112)	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	1:467:A:ASN:N	10	1.08
(1,67)	1:440:A:LYS:C	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	13	1.07
(1,51)	1:432:A:ILE:C	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	8	1.07
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	12	1.06
(1,34)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	14	1.06
(1,25)	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	1:419:A:GLN:N	13	1.05
(1,23)	1:417:A:GLY:N	1:417:A:GLY:CA	1:417:A:GLY:C	1:418:A:ASP:N	8	1.04
(1,23)	1:417:A:GLY:N	1:417:A:GLY:CA	1:417:A:GLY:C	1:418:A:ASP:N	12	1.03
(1,14)	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	1:413:A:PRO:N	7	1.03
(1,142)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	19	1.02
(1,140)	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	1:481:A:LYS:N	14	1.02
(1,63)	1:438:A:ILE:C	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	16	1.02
(1,66)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	13	1.01
(1,88)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	2	1.0
(1,63)	1:438:A:ILE:C	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	17	1.0