Full wwPDB NMR Structure Validation Report

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PDB ID	:	7KWI / pdb_00007kwi
BMRB ID	:	30821
Title	:	Solution Structure of the R2ab Repeat Domain from Staph. epidermidis Autolysin (AtlE)
Authors	:	Yadav, R.; Perera, Y.R.; Fitzkee, N.C.
Deposited on	:	2020-12-01

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

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/NMRValidationReportHelp
with specific help available everywhere you see the (i) symbol.

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

The following versions of software and data (see references (1)) were used in the production of this report:

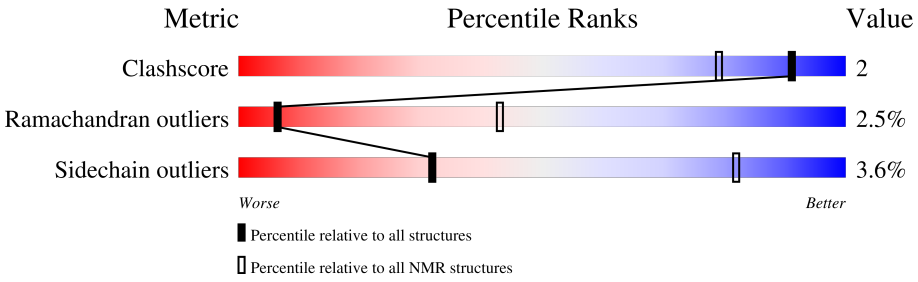
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
SOLUTION NMR

The overall completeness of chemical shifts assignment is 81%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	152	97%

2 Ensemble composition and analysis (i)

This entry contains 20 models. Model 2 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:696-A:847 (152)	1.43	2

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

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

The models can be grouped into 4 clusters. No single-model clusters were found.

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 2365 atoms, of which 1182 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Bifunctional autolysin.

Mol	Chain	Residues	Atoms					Trace
			Total	C	H	N	O	
1	A	152	2365	748	1182	202	233	0

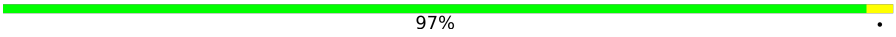
4 Residue-property plots

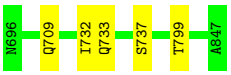
4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: Bifunctional autolysin

Chain A:





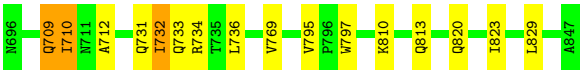
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Bifunctional autolysin

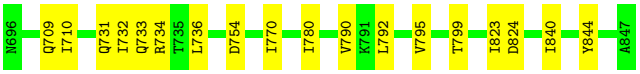
Chain A:



4.2.2 Score per residue for model 2 (medoid)

• Molecule 1: Bifunctional autolysin

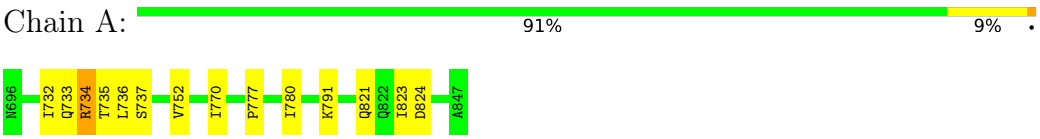
Chain A:



4.2.3 Score per residue for model 3

• Molecule 1: Bifunctional autolysin

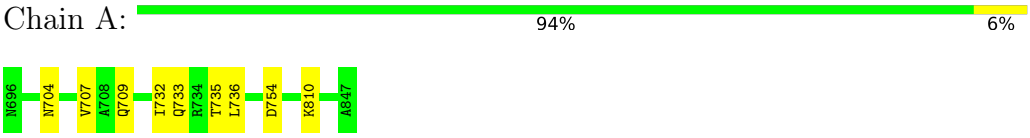
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: Bifunctional autolysin

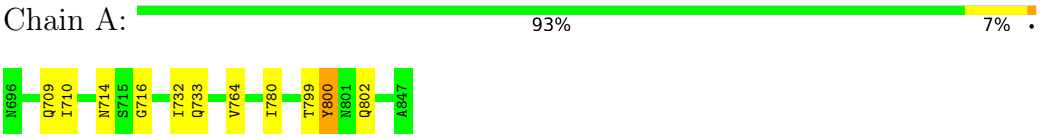
Chain A:



4.2.5 Score per residue for model 5

• Molecule 1: Bifunctional autolysin

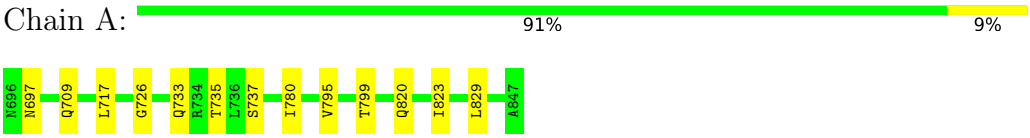
Chain A:



4.2.6 Score per residue for model 6

• Molecule 1: Bifunctional autolysin

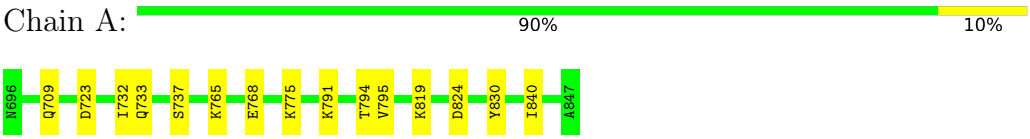
Chain A:



4.2.7 Score per residue for model 7

• Molecule 1: Bifunctional autolysin

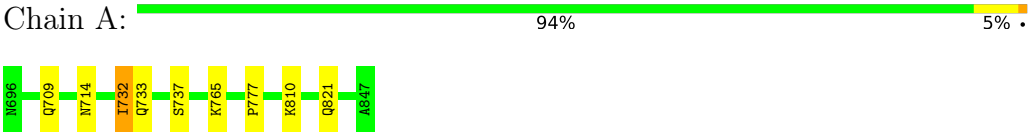
Chain A:



4.2.8 Score per residue for model 8

• Molecule 1: Bifunctional autolysin

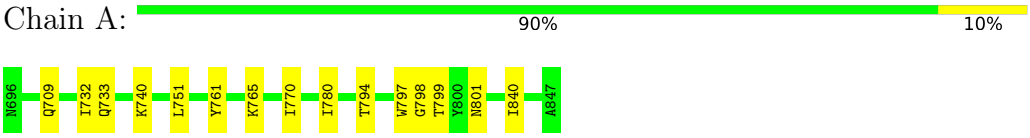
Chain A:



4.2.9 Score per residue for model 9

• Molecule 1: Bifunctional autolysin

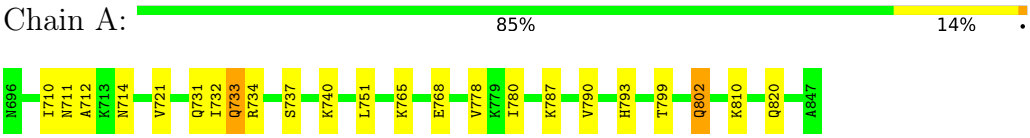
Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: Bifunctional autolysin

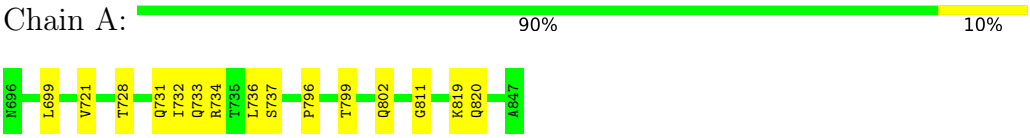
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: Bifunctional autolysin

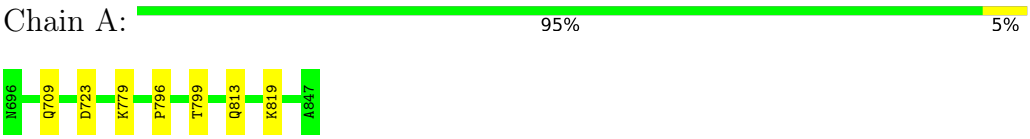
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: Bifunctional autolysin

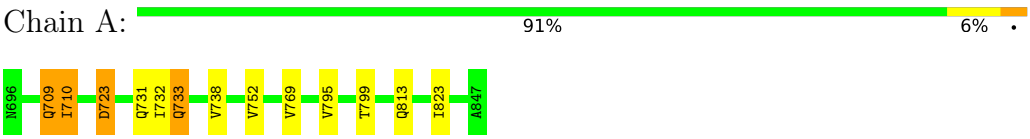
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: Bifunctional autolysin

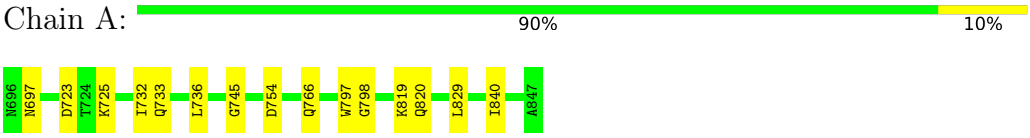
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Bifunctional autolysin

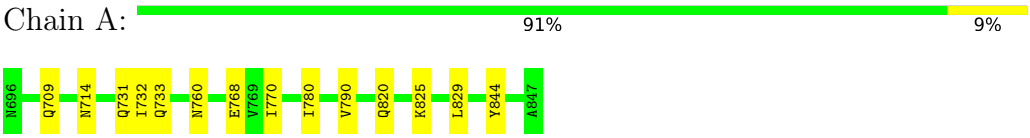
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Bifunctional autolysin

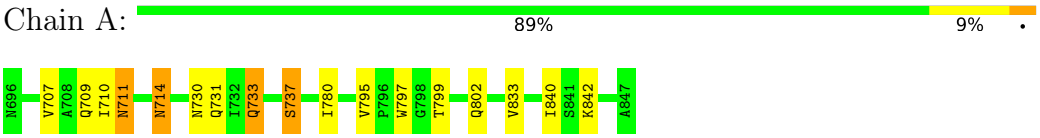
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: Bifunctional autolysin

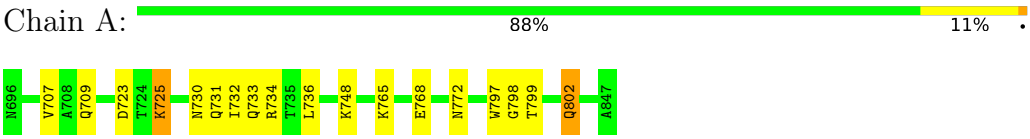
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: Bifunctional autolysin

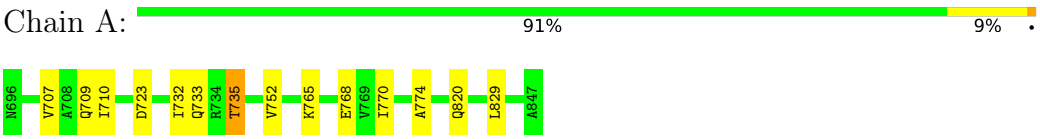
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Bifunctional autolysin

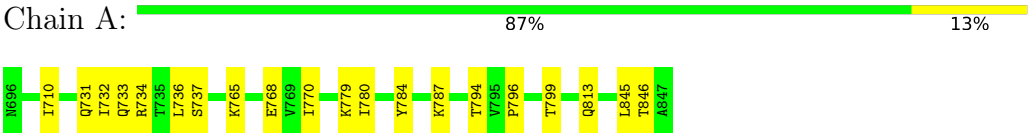
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Bifunctional autolysin

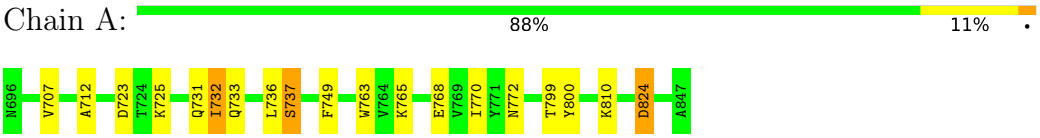
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Bifunctional autolysin

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 200 calculated structures, 20 were deposited, based on the following criterion: *target function*.

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

Software name	Classification	Version
CYANA	structure calculation	2.1
CNS	refinement	1.3

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1633
Number of shifts mapped to atoms	1633
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	81%

6 Model quality

6.1 Standard geometry

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	1.20±0.03	1±1/1206 (0.1± 0.1%)	0.87±0.02	0±0/1638 (0.0± 0.0%)
All	All	1.20	13/23762 (0.1%)	0.87	0/32271 (0.0%)

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	710	ILE	CA-CB	5.95	1.60	1.54	16	3
1	A	697	ASN	CA-CB	5.53	1.57	1.53	6	1
1	A	770	ILE	CA-CB	5.40	1.59	1.53	15	5
1	A	795	VAL	C-N	5.28	1.40	1.33	2	3
1	A	833	VAL	CA-CB	5.12	1.59	1.53	16	1

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	1183	1182	1178	4±2
All	All	23660	23640	22602	74

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 2.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:820:GLN:HG2	1:A:829:LEU:HG	0.56	1.77	14	4
1:A:736:LEU:HD13	1:A:754:ASP:HA	0.55	1.77	4	1
1:A:731:GLN:HG2	1:A:736:LEU:HD11	0.53	1.79	20	2
1:A:765:LYS:HB2	1:A:768:GLU:HG2	0.52	1.82	19	6
1:A:731:GLN:HA	1:A:734:ARG:HB3	0.52	1.80	11	3
1:A:736:LEU:HB3	1:A:754:ASP:HA	0.51	1.81	14	2
1:A:699:LEU:HD22	1:A:721:VAL:HG21	0.51	1.83	11	1
1:A:707:VAL:HG12	1:A:735:THR:HG22	0.50	1.83	4	1
1:A:711:ASN:HB2	1:A:714:ASN:HB3	0.49	1.84	16	1
1:A:738:VAL:HG22	1:A:752:VAL:HG12	0.48	1.84	13	1
1:A:707:VAL:HA	1:A:737:SER:HA	0.48	1.85	16	2
1:A:795:VAL:HG12	1:A:802:GLN:HG2	0.48	1.84	16	1
1:A:740:LYS:HB3	1:A:751:LEU:HB3	0.47	1.86	10	2
1:A:714:ASN:HD22	1:A:768:GLU:HB3	0.47	1.68	15	1
1:A:734:ARG:NH1	1:A:736:LEU:HD23	0.47	2.24	19	1
1:A:707:VAL:HG23	1:A:774:ALA:HB2	0.47	1.87	18	1
1:A:819:LYS:HB2	1:A:830:TYR:HB3	0.47	1.87	7	1
1:A:710:ILE:HD13	1:A:731:GLN:HB3	0.45	1.86	13	1
1:A:731:GLN:HA	1:A:734:ARG:O	0.45	2.12	17	1
1:A:709:GLN:HB2	1:A:733:GLN:HA	0.44	1.89	13	2
1:A:710:ILE:HG13	1:A:764:VAL:HG21	0.44	1.89	5	1
1:A:790:VAL:HG13	1:A:844:TYR:HB3	0.44	1.88	2	2
1:A:730:ASN:HB2	1:A:736:LEU:HD21	0.44	1.88	17	1
1:A:733:GLN:NE2	1:A:752:VAL:HG11	0.44	2.28	3	1
1:A:709:GLN:HE22	1:A:770:ILE:HB	0.44	1.72	18	1
1:A:793:HIS:HA	1:A:802:GLN:O	0.43	2.13	10	1
1:A:772:ASN:ND2	1:A:824:ASP:HB3	0.43	2.29	20	1
1:A:734:ARG:O	1:A:736:LEU:HG	0.43	2.13	3	1
1:A:709:GLN:N	1:A:709:GLN:HE21	0.43	2.11	1	1
1:A:799:THR:HG22	1:A:800:TYR:H	0.43	1.74	5	1
1:A:710:ILE:HD11	1:A:752:VAL:HG11	0.43	1.89	18	1
1:A:707:VAL:HG23	1:A:772:ASN:HB3	0.42	1.91	17	1
1:A:779:LYS:HD3	1:A:779:LYS:H	0.42	1.74	19	1
1:A:697:ASN:HA	1:A:745:GLY:HA3	0.42	1.91	14	1
1:A:820:GLN:HB3	1:A:829:LEU:HG	0.42	1.90	15	1
1:A:787:LYS:HB2	1:A:846:THR:HG23	0.42	1.90	19	1
1:A:734:ARG:HG3	1:A:802:GLN:HE22	0.42	1.74	11	1
1:A:712:ALA:HA	1:A:732:ILE:HB	0.42	1.91	20	2
1:A:717:LEU:HD21	1:A:733:GLN:HB2	0.42	1.91	6	1
1:A:799:THR:HB	1:A:802:GLN:H	0.42	1.74	17	1
1:A:711:ASN:HB3	1:A:714:ASN:HB2	0.42	1.91	10	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:710:ILE:HG13	1:A:769:VAL:HG12	0.42	1.90	1	2
1:A:712:ALA:HB2	1:A:733:GLN:NE2	0.42	2.30	10	1
1:A:777:PRO:HG3	1:A:821:GLN:HE21	0.42	1.74	3	1
1:A:777:PRO:HB3	1:A:821:GLN:HG2	0.42	1.92	8	1
1:A:731:GLN:HG3	1:A:734:ARG:O	0.41	2.15	10	1
1:A:710:ILE:HG21	1:A:716:GLY:HA2	0.41	1.91	5	1
1:A:749:PHE:HB3	1:A:763:TRP:HB3	0.41	1.92	20	1
1:A:714:ASN:ND2	1:A:732:ILE:HG22	0.41	2.30	8	1
1:A:784:TYR:HB3	1:A:845:LEU:HD21	0.41	1.92	19	1
1:A:778:VAL:HB	1:A:820:GLN:HB3	0.41	1.93	10	1
1:A:819:LYS:HG2	1:A:820:GLN:N	0.41	2.31	11	1
1:A:792:LEU:HG	1:A:840:ILE:HB	0.40	1.93	2	1
1:A:799:THR:HG22	1:A:801:ASN:H	0.40	1.75	9	1
1:A:787:LYS:HB2	1:A:790:VAL:HG23	0.40	1.94	10	1
1:A:709:GLN:HB3	1:A:735:THR:HA	0.40	1.93	18	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	150/152 (99%)	129±9 (86±6%)	14±3 (9±2%)	4±2 (2±1%)	6	43
All	All	2928/3040 (96%)	2579 (88%)	275 (9%)	74 (3%)	6	43

All 17 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	733	GLN	17
1	A	732	ILE	16
1	A	737	SER	9
1	A	723	ASP	7
1	A	824	ASP	4
1	A	797	TRP	3
1	A	798	GLY	3

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Mol	Chain	Res	Type	Models (Total)
1	A	796	PRO	3
1	A	735	THR	2
1	A	800	TYR	2
1	A	725	LYS	2
1	A	734	ARG	1
1	A	726	GLY	1
1	A	728	THR	1
1	A	811	GLY	1
1	A	825	LYS	1
1	A	802	GLN	1

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	128/128 (100%)	121±9 (94±7%)	4±2 (3±1%)	32 82
All	All	2507/2560 (98%)	2418 (96%)	89 (4%)	32 82

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

Mol	Chain	Res	Type	Models (Total)
1	A	709	GLN	12
1	A	780	ILE	9
1	A	799	THR	9
1	A	810	LYS	5
1	A	823	ILE	5
1	A	813	GLN	4
1	A	840	ILE	4
1	A	710	ILE	3
1	A	794	THR	3
1	A	736	LEU	2
1	A	797	TRP	2
1	A	791	LYS	2
1	A	714	ASN	2
1	A	802	GLN	2
1	A	795	VAL	2

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Mol	Chain	Res	Type	Models (Total)
1	A	765	LYS	2
1	A	819	LYS	2
1	A	725	LYS	2
1	A	731	GLN	2
1	A	704	ASN	1
1	A	732	ILE	1
1	A	775	LYS	1
1	A	761	TYR	1
1	A	721	VAL	1
1	A	779	LYS	1
1	A	723	ASP	1
1	A	766	GLN	1
1	A	760	ASN	1
1	A	711	ASN	1
1	A	730	ASN	1
1	A	842	LYS	1
1	A	748	LYS	1
1	A	735	THR	1
1	A	770	ILE	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 81% for the well-defined parts and 81% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *starch_output*

7.1.1 Bookkeeping

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

Total number of shifts	1633
Number of shifts mapped to atoms	1633
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	8

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	149	0.04 ± 0.17	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	134	0.11 ± 0.17	None needed (< 0.5 ppm)
$^{13}C'$	141	0.18 ± 0.19	None needed (< 0.5 ppm)
^{15}N	141	0.22 ± 0.43	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 81%, i.e. 1632 atoms were assigned a chemical shift out of a possible 2011. 0 out of 22 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	736/769 (96%)	305/316 (97%)	290/304 (95%)	141/149 (95%)
Sidechain	812/1070 (76%)	533/692 (77%)	279/333 (84%)	0/45 (0%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	84/172 (49%)	55/80 (69%)	29/87 (33%)	0/5 (0%)
Overall	1632/2011 (81%)	893/1088 (82%)	598/724 (83%)	141/199 (71%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 81%, i.e. 1632 atoms were assigned a chemical shift out of a possible 2011. 0 out of 22 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	736/769 (96%)	305/316 (97%)	290/304 (95%)	141/149 (95%)
Sidechain	812/1070 (76%)	533/692 (77%)	279/333 (84%)	0/45 (0%)
Aromatic	84/172 (49%)	55/80 (69%)	29/87 (33%)	0/5 (0%)
Overall	1632/2011 (81%)	893/1088 (82%)	598/724 (83%)	141/199 (71%)

7.1.4 Statistically unusual chemical shifts (i)

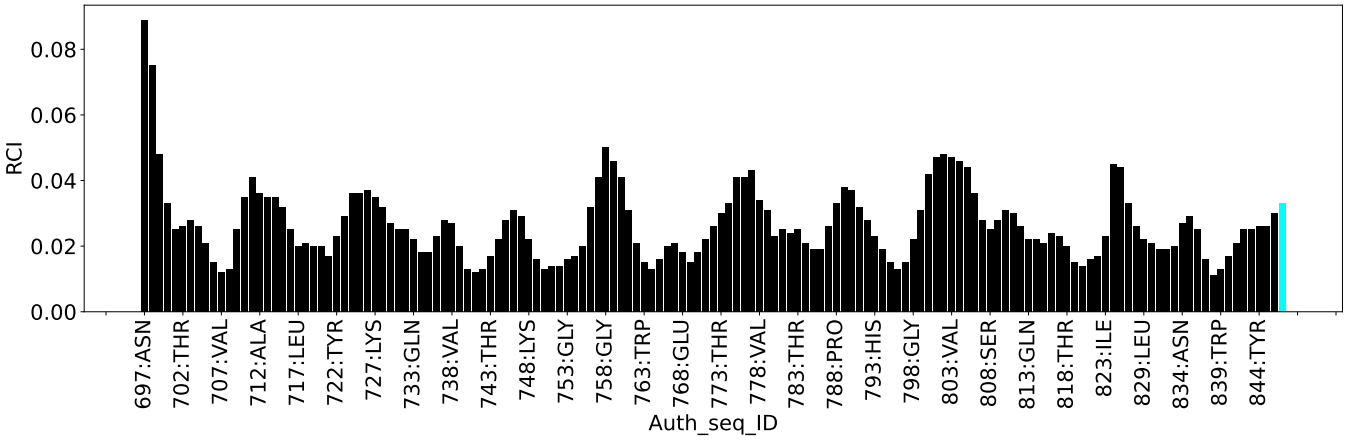
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	830	TYR	HB2	-0.17	1.09 – 4.72	-8.5
1	A	721	VAL	HG21	-1.19	-0.58 – 2.19	-7.2
1	A	721	VAL	HG22	-1.19	-0.58 – 2.19	-7.2
1	A	721	VAL	HG23	-1.19	-0.58 – 2.19	-7.2
1	A	751	LEU	HD21	-0.94	-0.65 – 2.13	-6.0
1	A	751	LEU	HD22	-0.94	-0.65 – 2.13	-6.0
1	A	751	LEU	HD23	-0.94	-0.65 – 2.13	-6.0
1	A	772	ASN	HB2	1.06	1.27 – 4.34	-5.7

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:


RCI
0.08
0.06
0.04
0.02
0.00
697:ASN
702:THR
707:VAL
712:ALA
717:LEU
722:TYR
727:LYS
733:GLN
738:VAL
743:THR
748:LYS
753:GLY
758:GLY
763:TRP
768:GLU
773:THR
778:VAL
783:THR
788:PRO
793:HIS
798:GLY
803:VAL
808:SER
813:GLN
818:THR
823:ILE
829:LEU
834:ASN
839:TRP
844:TYR
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	1479
Intra-residue (|i-j|=0)	687
Sequential (|i-j|=1)	236
Medium range (|i-j|>1 and |i-j|<5)	88
Long range (|i-j|≥5)	468
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	9.7
Number of long range restraints per residue[1]	3.1

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	52.2	0.2
0.2-0.5 (Medium)	118.7	0.5
>0.5 (Large)	177.6	3.06

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

Dihedral-angle violations less than 1° are not included in the calculation.There are no dihedral-angle violations

9 Distance violation analysis (i)

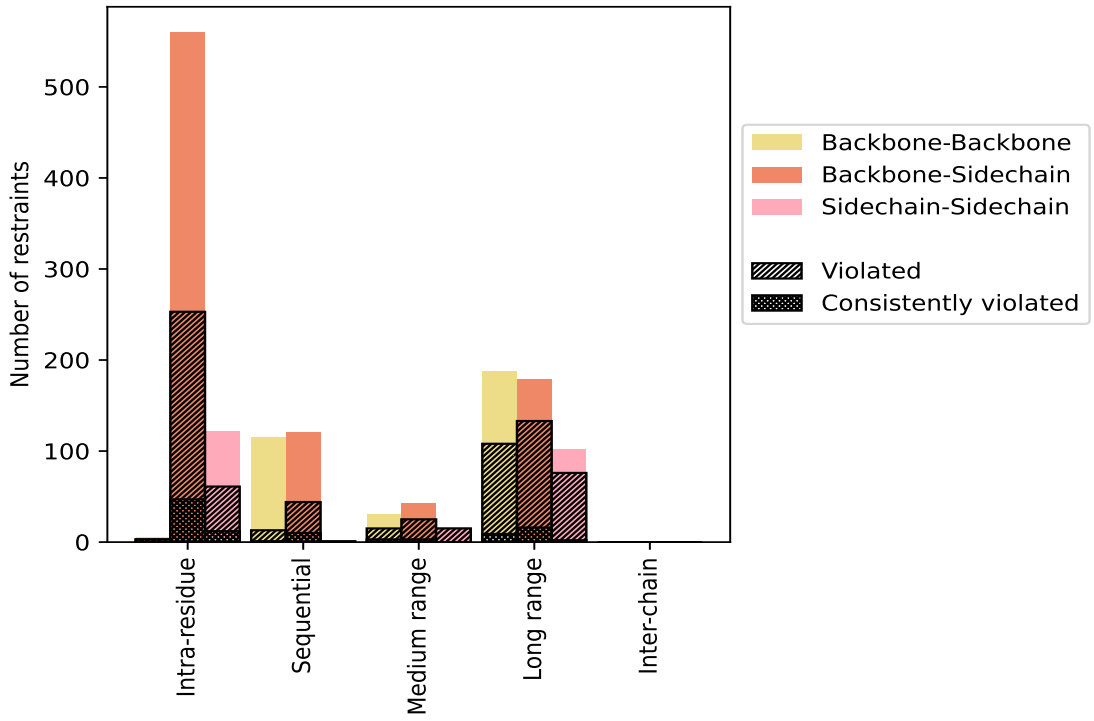
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	687	46.5	317	46.1	21.4	62	9.0	4.2
Backbone-Backbone	5	0.3	3	60.0	0.2	3	60.0	0.2
Backbone-Sidechain	560	37.9	253	45.2	17.1	47	8.4	3.2
Sidechain-Sidechain	122	8.2	61	50.0	4.1	12	9.8	0.8
Sequential (|i-j|=1)	236	16.0	58	24.6	3.9	11	4.7	0.7
Backbone-Backbone	115	7.8	13	11.3	0.9	1	0.9	0.1
Backbone-Sidechain	120	8.1	44	36.7	3.0	10	8.3	0.7
Sidechain-Sidechain	1	0.1	1	100.0	0.1	0	0.0	0.0
Medium range (|i-j|>1 & |i-j|<5)	88	5.9	55	62.5	3.7	6	6.8	0.4
Backbone-Backbone	30	2.0	15	50.0	1.0	3	10.0	0.2
Backbone-Sidechain	42	2.8	25	59.5	1.7	3	7.1	0.2
Sidechain-Sidechain	16	1.1	15	93.8	1.0	0	0.0	0.0
Long range (|i-j|≥5)	468	31.6	317	67.7	21.4	27	5.8	1.8
Backbone-Backbone	187	12.6	108	57.8	7.3	9	4.8	0.6
Backbone-Sidechain	179	12.1	133	74.3	9.0	16	8.9	1.1
Sidechain-Sidechain	102	6.9	76	74.5	5.1	2	2.0	0.1
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	1479	100.0	747	50.5	50.5	106	7.2	7.2
Backbone-Backbone	337	22.8	139	41.2	9.4	16	4.7	1.1
Backbone-Sidechain	901	60.9	455	50.5	30.8	76	8.4	5.1
Sidechain-Sidechain	241	16.3	153	63.5	10.3	14	5.8	0.9

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	159	23	22	140	0	344	0.64	2.59	0.45	0.51
2	169	27	19	132	0	347	0.62	2.92	0.44	0.48
3	165	28	18	136	0	347	0.65	2.88	0.46	0.53
4	159	30	17	132	0	338	0.64	2.74	0.45	0.52
5	161	27	23	124	0	335	0.66	2.73	0.48	0.53
6	165	29	26	146	0	366	0.66	2.71	0.47	0.54
7	168	26	20	134	0	348	0.65	2.94	0.49	0.5
8	151	26	29	154	0	360	0.64	2.65	0.47	0.48
9	165	26	26	130	0	347	0.64	2.69	0.47	0.48
10	164	27	20	132	0	343	0.64	2.64	0.45	0.54

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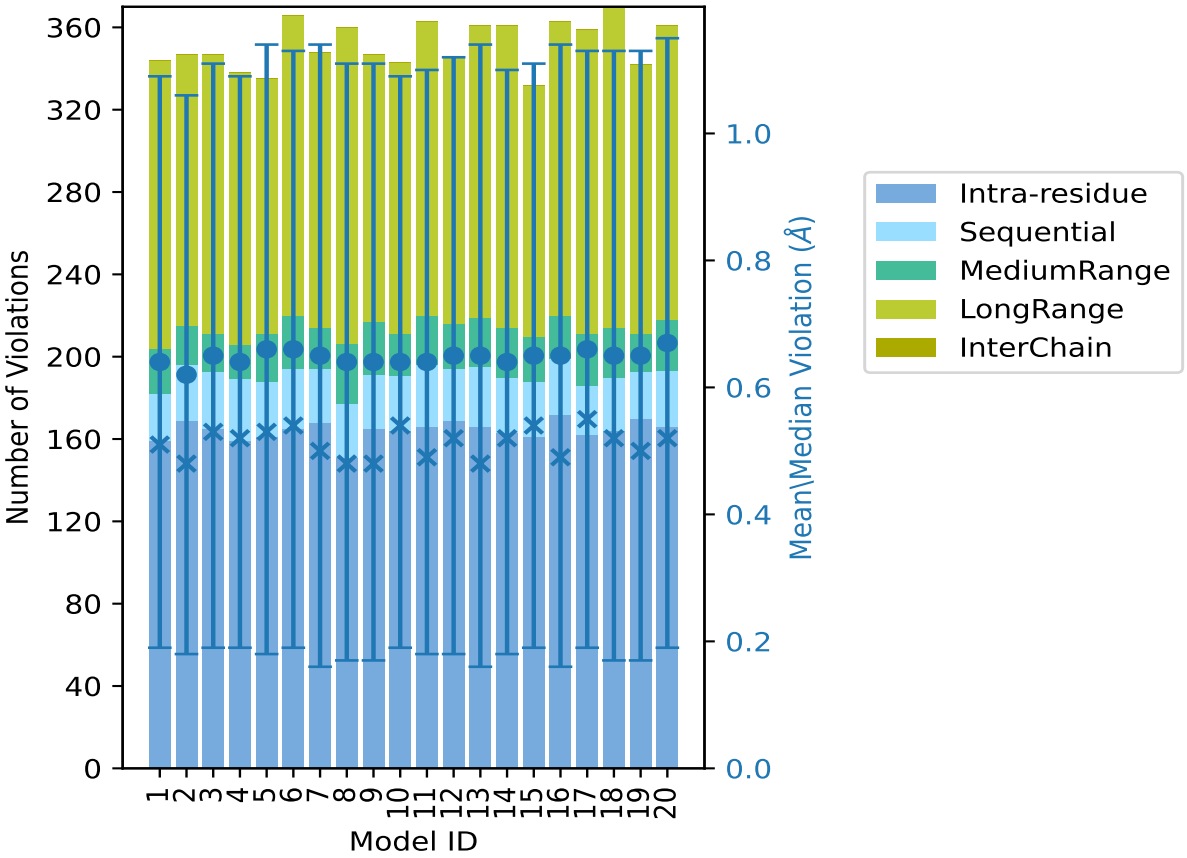
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	166	30	24	143	0	363	0.64	2.66	0.46	0.49
12	169	25	22	130	0	346	0.65	2.72	0.47	0.52
13	166	29	24	142	0	361	0.65	3.06	0.49	0.48
14	163	27	24	147	0	361	0.64	2.9	0.46	0.52
15	161	27	22	122	0	332	0.65	2.82	0.46	0.54
16	172	27	21	143	0	363	0.65	2.66	0.49	0.49
17	162	24	25	148	0	359	0.66	2.72	0.47	0.55
18	164	26	24	156	0	370	0.65	2.66	0.48	0.52
19	170	23	18	131	0	342	0.65	2.85	0.48	0.5
20	166	27	25	143	0	361	0.67	2.63	0.48	0.52

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

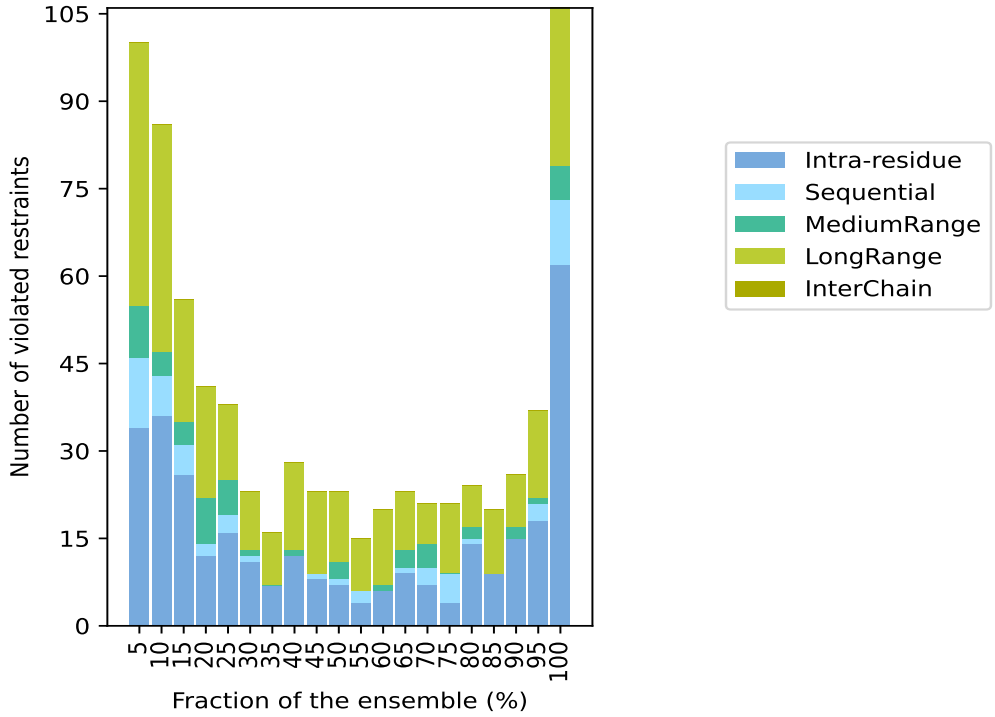
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 732(IR:370, SQ:178, MR:33, LR:151, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
34	12	9	45	0	100	1	5.0
36	7	4	39	0	86	2	10.0
26	5	4	21	0	56	3	15.0
12	2	8	19	0	41	4	20.0
16	3	6	13	0	38	5	25.0
11	1	1	10	0	23	6	30.0
7	0	0	9	0	16	7	35.0
12	0	1	15	0	28	8	40.0
8	1	0	14	0	23	9	45.0
7	1	3	12	0	23	10	50.0
4	2	0	9	0	15	11	55.0
6	0	1	13	0	20	12	60.0
9	1	3	10	0	23	13	65.0
7	3	4	7	0	21	14	70.0
4	5	0	12	0	21	15	75.0
14	1	2	7	0	24	16	80.0
9	0	0	11	0	20	17	85.0
15	0	2	9	0	26	18	90.0
18	3	1	15	0	37	19	95.0
62	11	6	27	0	106	20	100.0

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

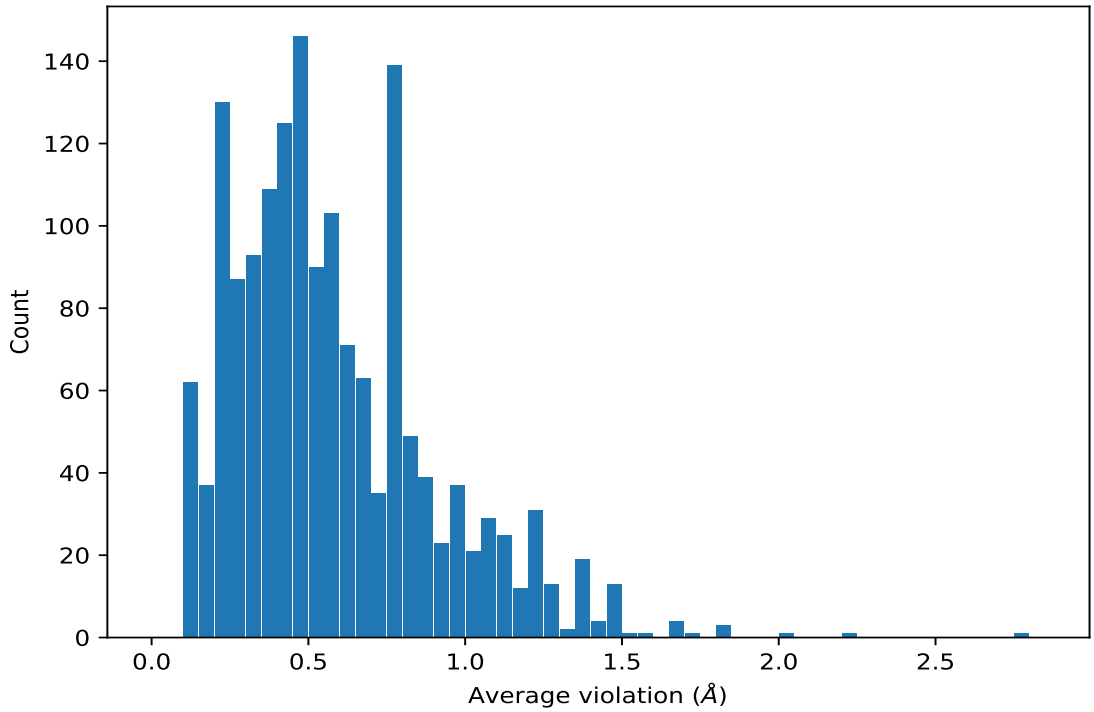
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	20	2.76	0.12	2.72
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	20	2.23	0.37	2.46
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	20	2.03	0.28	2.07
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	20	1.81	0.37	1.64
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	20	1.71	0.06	1.71
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	20	1.68	0.43	1.88
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	20	1.68	0.43	1.88
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	20	1.68	0.43	1.88
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	20	1.59	0.44	1.7
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	20	1.52	0.12	1.54
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	20	1.49	0.09	1.5
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	20	1.47	0.09	1.44
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	20	1.46	0.49	1.56
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	20	1.46	0.49	1.56
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	20	1.46	0.49	1.56
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	20	1.46	0.49	1.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	20	1.46	0.49	1.56
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	20	1.46	0.49	1.56
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	20	1.46	0.05	1.45
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	20	1.46	0.05	1.45
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	20	1.41	0.17	1.46
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	20	1.41	0.17	1.46
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	20	1.38	0.47	1.47
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	20	1.36	0.06	1.35
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	20	1.36	0.06	1.35
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	20	1.35	0.03	1.35
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	20	1.35	0.03	1.35
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	20	1.33	0.18	1.4
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	20	1.33	0.39	1.3
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	20	1.26	0.03	1.26
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	20	1.26	0.08	1.28
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	20	1.26	0.08	1.28
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	20	1.25	0.36	1.36
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	20	1.22	0.04	1.23
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	20	1.22	0.04	1.23
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	20	1.22	0.36	1.38
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	20	1.21	0.23	1.25
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	20	1.21	0.23	1.25
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	20	1.18	0.2	1.18
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	20	1.17	0.26	1.31
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	20	1.15	0.26	1.19
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	20	1.15	0.26	1.19
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	20	1.15	0.26	1.19
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	20	1.15	0.26	1.19
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	20	1.13	0.06	1.11
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	20	1.13	0.06	1.11
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	20	1.13	0.1	1.15
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	20	1.13	0.1	1.15
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	20	1.12	0.5	1.13
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	20	1.11	0.26	1.2
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	20	1.06	0.46	1.1
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	20	1.05	0.18	1.13
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	20	1.02	0.26	0.96
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	20	1.02	0.07	1.02
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	20	1.02	0.07	1.02
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	20	1.01	0.39	1.04
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	20	0.99	0.17	0.96
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	20	0.99	0.34	0.96

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	20	0.98	0.14	0.94
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	20	0.97	0.04	0.98
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	20	0.97	0.04	0.98
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	20	0.97	0.04	0.98
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	20	0.96	0.29	1.0
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	20	0.96	0.29	1.0
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	20	0.94	0.24	0.96
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	20	0.94	0.24	0.96
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	20	0.94	0.26	1.01
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	20	0.89	0.03	0.91
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	20	0.89	0.28	0.82
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	20	0.88	0.16	0.92
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	20	0.88	0.26	0.9
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	20	0.88	0.26	0.9
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	20	0.88	0.26	0.9
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	20	0.82	0.3	0.78
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	20	0.82	0.3	0.78
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	20	0.81	0.39	0.77
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	20	0.81	0.39	0.77
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	20	0.81	0.39	0.77
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	20	0.8	0.46	0.82
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	20	0.8	0.19	0.74
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	20	0.79	0.03	0.79
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	20	0.79	0.17	0.81
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	20	0.76	0.33	0.98
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	20	0.74	0.32	0.85
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	20	0.74	0.19	0.76
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	20	0.74	0.19	0.76
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	20	0.74	0.19	0.76
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	20	0.73	0.49	0.65
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	20	0.73	0.49	0.65
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	20	0.73	0.49	0.65
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	20	0.73	0.2	0.74
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	20	0.73	0.2	0.74
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	20	0.73	0.2	0.74
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	20	0.71	0.11	0.72
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	20	0.71	0.11	0.72
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	20	0.7	0.28	0.63
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	20	0.7	0.28	0.63
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	20	0.7	0.28	0.63
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	20	0.7	0.28	0.63
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	20	0.7	0.28	0.63

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	20	0.7	0.28	0.63
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	20	0.69	0.15	0.7
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	20	0.69	0.15	0.7
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	20	0.68	0.28	0.64
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	20	0.68	0.28	0.64
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	20	0.68	0.28	0.64
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	20	0.66	0.12	0.66
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	20	0.65	0.0	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	20	0.65	0.0	0.65
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	20	0.65	0.07	0.64
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	20	0.65	0.07	0.64
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	20	0.64	0.44	0.49
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	20	0.64	0.44	0.49
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	20	0.64	0.44	0.49
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	20	0.62	0.2	0.62
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	20	0.62	0.2	0.62
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	20	0.62	0.2	0.62
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	20	0.62	0.2	0.62
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	20	0.62	0.2	0.62
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	20	0.62	0.2	0.62
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	20	0.59	0.14	0.65
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	20	0.59	0.16	0.56
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	20	0.59	0.16	0.56
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	20	0.58	0.1	0.59
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	20	0.57	0.13	0.6
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	20	0.56	0.48	0.34
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	20	0.56	0.48	0.34
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	20	0.55	0.3	0.48
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	20	0.55	0.09	0.57
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	20	0.52	0.07	0.54
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	20	0.52	0.07	0.54
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	20	0.51	0.11	0.55
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	20	0.5	0.08	0.5
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	20	0.49	0.12	0.52
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	20	0.49	0.12	0.52
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	20	0.47	0.15	0.46
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	20	0.47	0.01	0.47
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	20	0.46	0.13	0.45
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	20	0.46	0.02	0.46
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	20	0.45	0.0	0.45
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	20	0.43	0.02	0.42
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	20	0.42	0.01	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	20	0.42	0.01	0.42
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	20	0.4	0.14	0.39
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	20	0.4	0.0	0.4
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	20	0.4	0.13	0.38
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	20	0.39	0.0	0.39
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	20	0.37	0.01	0.36
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	20	0.36	0.0	0.36
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	20	0.35	0.35	0.25
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	20	0.35	0.0	0.35
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	20	0.33	0.01	0.33
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	20	0.33	0.03	0.32
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	20	0.32	0.06	0.35
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	20	0.29	0.1	0.3
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	20	0.29	0.1	0.3
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	20	0.29	0.04	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	20	0.29	0.04	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	20	0.29	0.04	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	20	0.29	0.04	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	20	0.29	0.04	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	20	0.29	0.04	0.28
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	20	0.24	0.01	0.24
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	20	0.22	0.0	0.22
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	20	0.22	0.03	0.22
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	20	0.2	0.04	0.19
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	20	0.15	0.01	0.15
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	20	0.14	0.01	0.14
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	19	1.67	0.6	1.94
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	19	1.47	0.28	1.58
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	19	1.47	0.28	1.58
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	19	1.47	0.28	1.58
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	19	1.17	0.08	1.2
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	19	1.17	0.08	1.2
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	19	1.1	0.22	1.1
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	19	1.1	0.22	1.1
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	19	1.09	0.29	1.06
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	19	1.09	0.29	1.06
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	19	1.09	0.29	1.06
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	19	1.08	0.46	1.09
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	19	1.08	0.46	1.09
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	19	1.08	0.46	1.09
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	19	1.08	0.46	1.09
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	19	1.08	0.46	1.09

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	19	1.08	0.46	1.09
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	19	1.07	0.25	1.01
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	19	1.07	0.25	1.01
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	19	1.07	0.25	1.01
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	19	1.04	0.34	1.02
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	19	1.01	0.25	1.01
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	19	1.01	0.25	1.01
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	19	0.97	0.53	0.9
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	19	0.96	0.27	1.08
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	19	0.91	0.44	0.87
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	19	0.87	0.04	0.88
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	19	0.75	0.41	0.78
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	19	0.75	0.41	0.78
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	19	0.75	0.41	0.78
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	19	0.75	0.41	0.78
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	19	0.75	0.41	0.78
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	19	0.75	0.41	0.78
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	19	0.75	0.41	0.78
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	19	0.75	0.41	0.78
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	19	0.75	0.41	0.78
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	19	0.69	0.32	0.74
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	19	0.66	0.27	0.8
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	19	0.65	0.37	0.67
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	19	0.62	0.15	0.64
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	19	0.6	0.04	0.6
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	19	0.58	0.26	0.56
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	19	0.58	0.26	0.56
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	19	0.58	0.26	0.56
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	19	0.58	0.26	0.56
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	19	0.58	0.26	0.56
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	19	0.58	0.26	0.56
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	19	0.56	0.29	0.47
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	19	0.56	0.07	0.56
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	19	0.56	0.32	0.44
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	19	0.48	0.17	0.57
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	19	0.48	0.07	0.49
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	19	0.46	0.22	0.44
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	19	0.46	0.22	0.44
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	19	0.42	0.19	0.48
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	19	0.41	0.23	0.34
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	19	0.41	0.23	0.34
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	19	0.37	0.08	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	19	0.35	0.0	0.35
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	19	0.32	0.0	0.32
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	19	0.29	0.26	0.24
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	19	0.26	0.09	0.25
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	19	0.22	0.07	0.26
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	19	0.22	0.07	0.26
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	19	0.22	0.07	0.26
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	19	0.2	0.06	0.18
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	19	0.18	0.16	0.13
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	19	0.17	0.0	0.17
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	18	1.81	0.03	1.81
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	18	1.81	0.03	1.81
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	18	1.07	0.45	1.15
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	18	1.07	0.45	1.15
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	18	0.96	0.34	1.08
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	18	0.96	0.34	1.08
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	18	0.95	0.29	1.09
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	18	0.95	0.29	1.09
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	18	0.9	0.42	0.8
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	18	0.9	0.42	0.8
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	18	0.9	0.42	0.8
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	18	0.9	0.42	0.8
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	18	0.86	0.15	0.83
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	18	0.85	0.43	0.96
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	18	0.85	0.43	0.96
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	18	0.85	0.43	0.96
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	18	0.84	0.3	0.82
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	18	0.76	0.03	0.75
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	18	0.71	0.27	0.7
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	18	0.65	0.03	0.65
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	18	0.65	0.03	0.65
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	18	0.56	0.18	0.65
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	18	0.52	0.23	0.5
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	18	0.52	0.2	0.58
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	18	0.52	0.2	0.58
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	18	0.52	0.2	0.58
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	18	0.52	0.2	0.58
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	18	0.52	0.2	0.58
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	18	0.52	0.2	0.58
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	18	0.52	0.29	0.44
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	18	0.52	0.29	0.44
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	18	0.52	0.29	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	18	0.51	0.18	0.48
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	18	0.5	0.25	0.45
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	18	0.5	0.25	0.45
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	18	0.5	0.25	0.45
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	18	0.5	0.25	0.45
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	18	0.5	0.25	0.45
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	18	0.5	0.25	0.45
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	18	0.44	0.17	0.42
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	18	0.4	0.01	0.4
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	18	0.4	0.01	0.4
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	18	0.4	0.25	0.42
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	18	0.39	0.23	0.28
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	18	0.34	0.1	0.36
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	18	0.34	0.1	0.36
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	18	0.28	0.04	0.28
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	18	0.21	0.0	0.21
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	18	0.2	0.0	0.2
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	18	0.17	0.0	0.17
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	17	1.35	0.22	1.33
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	17	1.35	0.22	1.33
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	17	1.35	0.22	1.33
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	17	1.26	0.37	1.4
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	17	1.26	0.37	1.4
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	17	1.26	0.37	1.4
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	17	1.25	0.7	1.21
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	17	1.25	0.7	1.21
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	17	1.25	0.7	1.21
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	17	1.17	0.21	1.25
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	17	1.17	0.21	1.25
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	17	1.15	0.23	1.17
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	17	1.15	0.23	1.17
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	17	1.15	0.23	1.17
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	17	0.97	0.21	0.92
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	17	0.97	0.21	0.92
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	17	0.97	0.21	0.92
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	17	0.97	0.21	0.92
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	17	0.87	0.4	0.87
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	17	0.87	0.4	0.87
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	17	0.8	0.31	0.76
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	17	0.73	0.36	0.7
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	17	0.69	0.3	0.7
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	17	0.66	0.33	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	17	0.66	0.33	0.62
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	17	0.66	0.33	0.62
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	17	0.66	0.33	0.62
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	17	0.66	0.33	0.62
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	17	0.66	0.33	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	17	0.62	0.01	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	17	0.62	0.01	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	17	0.62	0.01	0.62
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	17	0.6	0.21	0.58
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	17	0.57	0.21	0.61
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	17	0.41	0.25	0.36
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	17	0.38	0.03	0.38
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	17	0.37	0.19	0.5
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	17	0.36	0.23	0.25
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	17	0.36	0.07	0.39
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	17	0.11	0.01	0.12
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB2	16	1.45	0.63	1.79
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB3	16	1.45	0.63	1.79
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB2	16	1.35	0.36	1.4
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB3	16	1.35	0.36	1.4
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB2	16	1.35	0.36	1.4
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB3	16	1.35	0.36	1.4
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB2	16	1.35	0.36	1.4
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB3	16	1.35	0.36	1.4
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB1	16	0.96	0.46	1.08
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB2	16	0.96	0.46	1.08
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB3	16	0.96	0.46	1.08
(1,298)	1:781:A:ASN:H	1:781:A:ASN:HB2	16	0.8	0.03	0.8
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG11	16	0.79	0.37	0.92
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG12	16	0.79	0.37	0.92
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG13	16	0.79	0.37	0.92
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG21	16	0.79	0.37	0.92
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG22	16	0.79	0.37	0.92
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG23	16	0.79	0.37	0.92
(1,711)	1:793:A:HIS:H	1:793:A:HIS:HE1	16	0.78	0.19	0.88
(1,229)	1:705:A:SER:HA	1:739:A:THR:HA	16	0.62	0.35	0.58
(1,196)	1:710:A:ILE:HA	1:770:A:ILE:H	16	0.61	0.3	0.66
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB2	16	0.54	0.31	0.4
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB3	16	0.54	0.31	0.4
(1,424)	1:708:A:ALA:HA	1:771:A:TYR:HA	16	0.46	0.28	0.41
(1,957)	1:727:A:LYS:H	1:727:A:LYS:HD2	16	0.45	0.14	0.45
(1,589)	1:749:A:PHE:HA	1:765:A:LYS:HA	16	0.43	0.25	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,469)	1:816:A:LYS:HB3	1:816:A:LYS:HG3	16	0.42	0.01	0.42
(1,417)	1:728:A:THR:HA	1:728:A:THR:HB	16	0.36	0.24	0.37
(1,668)	1:773:A:THR:H	1:773:A:THR:HG21	16	0.36	0.05	0.34
(1,668)	1:773:A:THR:H	1:773:A:THR:HG22	16	0.36	0.05	0.34
(1,668)	1:773:A:THR:H	1:773:A:THR:HG23	16	0.36	0.05	0.34
(1,1048)	1:793:A:HIS:HB2	1:793:A:HIS:HE1	16	0.31	0.02	0.32
(1,781)	1:713:A:LYS:H	1:713:A:LYS:HG3	16	0.27	0.11	0.22
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE2	16	0.27	0.04	0.26
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE3	16	0.27	0.04	0.26
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE2	16	0.27	0.04	0.26
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE3	16	0.27	0.04	0.26
(1,252)	1:713:A:LYS:HA	1:713:A:LYS:HG2	16	0.26	0.17	0.2
(1,386)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	16	0.26	0.17	0.22
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG21	16	0.25	0.01	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG22	16	0.25	0.01	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG23	16	0.25	0.01	0.25
(1,31)	1:845:A:LEU:HB3	1:845:A:LEU:HG	16	0.23	0.2	0.15
(1,177)	1:709:A:GLN:HB2	1:709:A:GLN:HG2	16	0.23	0.13	0.2
(1,1330)	1:782:A:GLN:HB2	1:783:A:THR:H	16	0.22	0.07	0.21
(1,1330)	1:782:A:GLN:HB3	1:783:A:THR:H	16	0.22	0.07	0.21
(1,69)	1:709:A:GLN:HA	1:736:A:LEU:HG	15	1.1	0.3	1.16
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD11	15	0.78	0.32	0.9
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD12	15	0.78	0.32	0.9
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD13	15	0.78	0.32	0.9
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD21	15	0.78	0.32	0.9
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD22	15	0.78	0.32	0.9
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD23	15	0.78	0.32	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD11	15	0.78	0.32	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD12	15	0.78	0.32	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD13	15	0.78	0.32	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD21	15	0.78	0.32	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD22	15	0.78	0.32	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD23	15	0.78	0.32	0.9
(1,359)	1:832:A:THR:HG21	1:837:A:SER:HA	15	0.74	0.3	0.89
(1,359)	1:832:A:THR:HG22	1:837:A:SER:HA	15	0.74	0.3	0.89
(1,359)	1:832:A:THR:HG23	1:837:A:SER:HA	15	0.74	0.3	0.89
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD11	15	0.7	0.37	0.67
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD12	15	0.7	0.37	0.67
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD13	15	0.7	0.37	0.67
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD21	15	0.7	0.37	0.67
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD22	15	0.7	0.37	0.67
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD23	15	0.7	0.37	0.67

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,936)	1:709:A:GLN:HA	1:734:A:ARG:H	15	0.67	0.42	0.61
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG11	15	0.62	0.35	0.61
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG12	15	0.62	0.35	0.61
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG13	15	0.62	0.35	0.61
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG21	15	0.62	0.35	0.61
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG22	15	0.62	0.35	0.61
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG23	15	0.62	0.35	0.61
(1,351)	1:711:A:ASN:H	1:769:A:VAL:HA	15	0.61	0.34	0.51
(1,1112)	1:704:A:ASN:HB2	1:740:A:LYS:HA	15	0.59	0.33	0.64
(1,1112)	1:704:A:ASN:HB3	1:740:A:LYS:HA	15	0.59	0.33	0.64
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG11	15	0.57	0.45	0.36
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG12	15	0.57	0.45	0.36
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG13	15	0.57	0.45	0.36
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG21	15	0.57	0.45	0.36
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG22	15	0.57	0.45	0.36
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG23	15	0.57	0.45	0.36
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG11	15	0.57	0.45	0.36
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG12	15	0.57	0.45	0.36
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG13	15	0.57	0.45	0.36
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG21	15	0.57	0.45	0.36
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG22	15	0.57	0.45	0.36
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG23	15	0.57	0.45	0.36
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB1	15	0.51	0.27	0.49
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB2	15	0.51	0.27	0.49
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB3	15	0.51	0.27	0.49
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB1	15	0.51	0.27	0.49
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB2	15	0.51	0.27	0.49
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB3	15	0.51	0.27	0.49
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB1	15	0.51	0.27	0.49
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB2	15	0.51	0.27	0.49
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB3	15	0.51	0.27	0.49
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB1	15	0.51	0.27	0.49
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB2	15	0.51	0.27	0.49
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB3	15	0.51	0.27	0.49
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB1	15	0.51	0.27	0.49
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB2	15	0.51	0.27	0.49
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB3	15	0.51	0.27	0.49
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB1	15	0.51	0.27	0.49
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB2	15	0.51	0.27	0.49
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB3	15	0.51	0.27	0.49
(1,556)	1:783:A:THR:HG21	1:816:A:LYS:HA	15	0.49	0.25	0.53
(1,556)	1:783:A:THR:HG22	1:816:A:LYS:HA	15	0.49	0.25	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,556)	1:783:A:THR:HG23	1:816:A:LYS:HA	15	0.49	0.25	0.53
(1,628)	1:810:A:LYS:HA	1:810:A:LYS:HB2	15	0.47	0.0	0.47
(1,615)	1:725:A:LYS:HA	1:726:A:GLY:H	15	0.42	0.13	0.47
(1,858)	1:822:A:GLN:HA	1:828:A:TYR:H	15	0.41	0.2	0.39
(1,1038)	1:793:A:HIS:HA	1:793:A:HIS:HD2	15	0.39	0.2	0.34
(1,1420)	1:810:A:LYS:HG2	1:811:A:GLY:H	15	0.38	0.11	0.37
(1,1420)	1:810:A:LYS:HG3	1:811:A:GLY:H	15	0.38	0.11	0.37
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE1	15	0.36	0.14	0.31
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE2	15	0.36	0.14	0.31
(1,550)	1:814:A:THR:HG21	1:815:A:PHE:H	15	0.35	0.13	0.42
(1,550)	1:814:A:THR:HG22	1:815:A:PHE:H	15	0.35	0.13	0.42
(1,550)	1:814:A:THR:HG23	1:815:A:PHE:H	15	0.35	0.13	0.42
(1,587)	1:764:A:VAL:H	1:765:A:LYS:HA	15	0.24	0.11	0.21
(1,788)	1:781:A:ASN:HA	1:782:A:GLN:H	15	0.21	0.05	0.21
(1,488)	1:725:A:LYS:HA	1:725:A:LYS:HB2	15	0.16	0.01	0.16
(1,364)	1:823:A:ILE:HB	1:826:A:ALA:H	14	0.95	0.6	1.03
(1,1373)	1:791:A:LYS:HB2	1:793:A:HIS:HE1	14	0.92	0.21	0.99
(1,1373)	1:791:A:LYS:HB3	1:793:A:HIS:HE1	14	0.92	0.21	0.99
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG21	14	0.87	0.53	0.8
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG22	14	0.87	0.53	0.8
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG23	14	0.87	0.53	0.8
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG21	14	0.87	0.53	0.8
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG22	14	0.87	0.53	0.8
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG23	14	0.87	0.53	0.8
(1,1139)	1:709:A:GLN:HG2	1:770:A:ILE:HB	14	0.86	0.45	0.78
(1,1139)	1:709:A:GLN:HG3	1:770:A:ILE:HB	14	0.86	0.45	0.78
(1,48)	1:743:A:THR:HG21	1:745:A:GLY:H	14	0.77	0.2	0.72
(1,48)	1:743:A:THR:HG22	1:745:A:GLY:H	14	0.77	0.2	0.72
(1,48)	1:743:A:THR:HG23	1:745:A:GLY:H	14	0.77	0.2	0.72
(1,132)	1:787:A:LYS:HA	1:812:A:ASP:HA	14	0.77	0.44	0.94
(1,38)	1:815:A:PHE:HA	1:833:A:VAL:HA	14	0.75	0.37	0.75
(1,605)	1:810:A:LYS:HA	1:810:A:LYS:HE2	14	0.74	0.24	0.84
(1,1219)	1:737:A:SER:HB2	1:755:A:TYR:HA	14	0.73	0.3	0.76
(1,1219)	1:737:A:SER:HB3	1:755:A:TYR:HA	14	0.73	0.3	0.76
(1,863)	1:728:A:THR:HG21	1:729:A:THR:H	14	0.62	0.24	0.56
(1,863)	1:728:A:THR:HG22	1:729:A:THR:H	14	0.62	0.24	0.56
(1,863)	1:728:A:THR:HG23	1:729:A:THR:H	14	0.62	0.24	0.56
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD11	14	0.54	0.01	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD12	14	0.54	0.01	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD13	14	0.54	0.01	0.54
(1,224)	1:732:A:ILE:HD11	1:733:A:GLN:H	14	0.48	0.47	0.24
(1,224)	1:732:A:ILE:HD12	1:733:A:GLN:H	14	0.48	0.47	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,224)	1:732:A:ILE:HD13	1:733:A:GLN:H	14	0.48	0.47	0.24
(1,823)	1:780:A:ILE:HD11	1:781:A:ASN:H	14	0.46	0.29	0.44
(1,823)	1:780:A:ILE:HD12	1:781:A:ASN:H	14	0.46	0.29	0.44
(1,823)	1:780:A:ILE:HD13	1:781:A:ASN:H	14	0.46	0.29	0.44
(1,1243)	1:744:A:LEU:HB2	1:747:A:LYS:H	14	0.38	0.25	0.28
(1,1243)	1:744:A:LEU:HB3	1:747:A:LYS:H	14	0.38	0.25	0.28
(1,1025)	1:818:A:THR:H	1:832:A:THR:H	14	0.29	0.1	0.27
(1,1321)	1:778:A:VAL:HG11	1:820:A:GLN:H	14	0.26	0.07	0.26
(1,1321)	1:778:A:VAL:HG12	1:820:A:GLN:H	14	0.26	0.07	0.26
(1,1321)	1:778:A:VAL:HG13	1:820:A:GLN:H	14	0.26	0.07	0.26
(1,1321)	1:778:A:VAL:HG21	1:820:A:GLN:H	14	0.26	0.07	0.26
(1,1321)	1:778:A:VAL:HG22	1:820:A:GLN:H	14	0.26	0.07	0.26
(1,1321)	1:778:A:VAL:HG23	1:820:A:GLN:H	14	0.26	0.07	0.26
(1,4)	1:709:A:GLN:HB3	1:709:A:GLN:HG3	14	0.24	0.13	0.2
(1,533)	1:840:A:ILE:H	1:840:A:ILE:HG13	14	0.24	0.06	0.26
(1,486)	1:725:A:LYS:HA	1:725:A:LYS:HG3	14	0.21	0.05	0.22
(1,388)	1:748:A:LYS:H	1:748:A:LYS:HB2	14	0.17	0.04	0.17
(1,492)	1:727:A:LYS:HB3	1:727:A:LYS:HD3	14	0.17	0.05	0.16
(1,834)	1:780:A:ILE:HD11	1:819:A:LYS:H	13	1.08	0.39	1.04
(1,834)	1:780:A:ILE:HD12	1:819:A:LYS:H	13	1.08	0.39	1.04
(1,834)	1:780:A:ILE:HD13	1:819:A:LYS:H	13	1.08	0.39	1.04
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB2	13	0.96	0.43	0.91
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB3	13	0.96	0.43	0.91
(1,731)	1:714:A:ASN:HA	1:716:A:GLY:H	13	0.93	0.66	0.8
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD11	13	0.84	0.04	0.85
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD12	13	0.84	0.04	0.85
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD13	13	0.84	0.04	0.85
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD11	13	0.84	0.04	0.85
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD12	13	0.84	0.04	0.85
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD13	13	0.84	0.04	0.85
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD11	13	0.84	0.04	0.85
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD12	13	0.84	0.04	0.85
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD13	13	0.84	0.04	0.85
(1,515)	1:793:A:HIS:HA	1:803:A:VAL:HA	13	0.81	0.3	0.8
(1,379)	1:825:A:LYS:HB2	1:825:A:LYS:HD3	13	0.8	0.54	1.29
(1,1440)	1:820:A:GLN:HB2	1:828:A:TYR:H	13	0.77	0.5	0.41
(1,1440)	1:820:A:GLN:HB3	1:828:A:TYR:H	13	0.77	0.5	0.41
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD11	13	0.65	0.24	0.64
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD12	13	0.65	0.24	0.64
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD13	13	0.65	0.24	0.64
(1,2)	1:709:A:GLN:HB2	1:709:A:GLN:HG3	13	0.56	0.1	0.6
(1,572)	1:700:A:THR:H	1:743:A:THR:HB	13	0.56	0.23	0.51

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,914)	1:795:A:VAL:H	1:798:A:GLY:H	13	0.54	0.42	0.4
(1,842)	1:737:A:SER:H	1:755:A:TYR:H	13	0.51	0.37	0.45
(1,155)	1:810:A:LYS:HA	1:810:A:LYS:HE3	13	0.46	0.07	0.47
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG21	13	0.45	0.32	0.29
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG22	13	0.45	0.32	0.29
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG23	13	0.45	0.32	0.29
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG21	13	0.45	0.32	0.29
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG22	13	0.45	0.32	0.29
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG23	13	0.45	0.32	0.29
(1,502)	1:842:A:LYS:HA	1:842:A:LYS:HG3	13	0.44	0.22	0.38
(1,1118)	1:706:A:GLY:HA2	1:772:A:ASN:H	13	0.44	0.24	0.4
(1,1118)	1:706:A:GLY:HA3	1:772:A:ASN:H	13	0.44	0.24	0.4
(1,1202)	1:725:A:LYS:HG2	1:726:A:GLY:H	13	0.44	0.17	0.39
(1,1202)	1:725:A:LYS:HG3	1:726:A:GLY:H	13	0.44	0.17	0.39
(1,348)	1:732:A:ILE:HA	1:732:A:ILE:HG12	13	0.43	0.02	0.43
(1,793)	1:782:A:GLN:H	1:817:A:ALA:H	13	0.42	0.21	0.3
(1,116)	1:734:A:ARG:HA	1:734:A:ARG:HD3	13	0.41	0.06	0.43
(1,30)	1:845:A:LEU:HA	1:845:A:LEU:HG	13	0.32	0.25	0.21
(1,1075)	1:797:A:TRP:H	1:797:A:TRP:HD1	13	0.28	0.1	0.28
(1,1303)	1:767:A:ASP:HB2	1:769:A:VAL:H	13	0.22	0.13	0.18
(1,1303)	1:767:A:ASP:HB3	1:769:A:VAL:H	13	0.22	0.13	0.18
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG11	12	1.21	0.67	1.18
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG12	12	1.21	0.67	1.18
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG13	12	1.21	0.67	1.18
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG21	12	1.21	0.67	1.18
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG22	12	1.21	0.67	1.18
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG23	12	1.21	0.67	1.18
(1,416)	1:716:A:GLY:HA3	1:728:A:THR:HA	12	1.0	0.52	0.82
(1,286)	1:795:A:VAL:HA	1:839:A:TRP:HD1	12	0.93	0.51	0.73
(1,418)	1:716:A:GLY:HA2	1:728:A:THR:HA	12	0.87	0.52	0.76
(1,303)	1:825:A:LYS:HA	1:825:A:LYS:HD3	12	0.81	0.32	0.99
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG21	12	0.79	0.65	0.51
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG22	12	0.79	0.65	0.51
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG23	12	0.79	0.65	0.51
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG21	12	0.79	0.65	0.51
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG22	12	0.79	0.65	0.51
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG23	12	0.79	0.65	0.51
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG21	12	0.79	0.65	0.51
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG22	12	0.79	0.65	0.51
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG23	12	0.79	0.65	0.51
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG21	12	0.79	0.65	0.51
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG22	12	0.79	0.65	0.51

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG23	12	0.79	0.65	0.51
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG21	12	0.79	0.65	0.51
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG22	12	0.79	0.65	0.51
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG23	12	0.79	0.65	0.51
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG21	12	0.79	0.65	0.51
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG22	12	0.79	0.65	0.51
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG23	12	0.79	0.65	0.51
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG21	12	0.75	0.39	0.88
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG22	12	0.75	0.39	0.88
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG23	12	0.75	0.39	0.88
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG12	12	0.67	0.36	0.61
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG13	12	0.67	0.36	0.61
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB1	12	0.67	0.34	0.56
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB2	12	0.67	0.34	0.56
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB3	12	0.67	0.34	0.56
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD11	12	0.61	0.29	0.66
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD12	12	0.61	0.29	0.66
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD13	12	0.61	0.29	0.66
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD21	12	0.61	0.29	0.66
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD22	12	0.61	0.29	0.66
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD23	12	0.61	0.29	0.66
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD11	12	0.61	0.29	0.66
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD12	12	0.61	0.29	0.66
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD13	12	0.61	0.29	0.66
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD21	12	0.61	0.29	0.66
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD22	12	0.61	0.29	0.66
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD23	12	0.61	0.29	0.66
(1,595)	1:709:A:GLN:HA	1:735:A:THR:HA	12	0.52	0.28	0.41
(1,485)	1:725:A:LYS:H	1:725:A:LYS:HG3	12	0.49	0.3	0.44
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG21	12	0.48	0.22	0.52
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG22	12	0.48	0.22	0.52
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG23	12	0.48	0.22	0.52
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG21	12	0.48	0.22	0.52
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG22	12	0.48	0.22	0.52
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG23	12	0.48	0.22	0.52
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG11	12	0.45	0.22	0.35
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG12	12	0.45	0.22	0.35
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG13	12	0.45	0.22	0.35
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG21	12	0.45	0.22	0.35
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG22	12	0.45	0.22	0.35
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG23	12	0.45	0.22	0.35
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG11	12	0.45	0.22	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG12	12	0.45	0.22	0.35
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG13	12	0.45	0.22	0.35
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG21	12	0.45	0.22	0.35
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG22	12	0.45	0.22	0.35
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG23	12	0.45	0.22	0.35
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG11	12	0.45	0.22	0.35
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG12	12	0.45	0.22	0.35
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG13	12	0.45	0.22	0.35
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG21	12	0.45	0.22	0.35
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG22	12	0.45	0.22	0.35
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG23	12	0.45	0.22	0.35
(1,1313)	1:775:A:LYS:HB2	1:822:A:GLN:H	12	0.41	0.15	0.4
(1,1313)	1:775:A:LYS:HB3	1:822:A:GLN:H	12	0.41	0.15	0.4
(1,578)	1:791:A:LYS:HA	1:791:A:LYS:HG2	12	0.41	0.02	0.4
(1,243)	1:810:A:LYS:HA	1:810:A:LYS:HG3	12	0.29	0.2	0.23
(1,626)	1:825:A:LYS:HA	1:825:A:LYS:HB3	12	0.29	0.01	0.28
(1,635)	1:717:A:LEU:HA	1:764:A:VAL:HA	12	0.24	0.19	0.14
(1,963)	1:737:A:SER:H	1:737:A:SER:HB2	12	0.14	0.02	0.15
(1,664)	1:717:A:LEU:H	1:717:A:LEU:HG	11	0.76	0.26	0.78
(1,584)	1:796:A:PRO:HA	1:839:A:TRP:HB2	11	0.72	0.56	0.45
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD1	11	0.65	0.29	0.58
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD2	11	0.65	0.29	0.58
(1,1215)	1:736:A:LEU:HB2	1:752:A:VAL:HB	11	0.56	0.34	0.51
(1,1215)	1:736:A:LEU:HB3	1:752:A:VAL:HB	11	0.56	0.34	0.51
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD21	11	0.56	0.26	0.55
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD22	11	0.56	0.26	0.55
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD23	11	0.56	0.26	0.55
(1,92)	1:710:A:ILE:HB	1:732:A:ILE:HA	11	0.56	0.42	0.37
(1,1103)	1:701:A:VAL:HG11	1:741:A:ALA:H	11	0.55	0.41	0.36
(1,1103)	1:701:A:VAL:HG12	1:741:A:ALA:H	11	0.55	0.41	0.36
(1,1103)	1:701:A:VAL:HG13	1:741:A:ALA:H	11	0.55	0.41	0.36
(1,1103)	1:701:A:VAL:HG21	1:741:A:ALA:H	11	0.55	0.41	0.36
(1,1103)	1:701:A:VAL:HG22	1:741:A:ALA:H	11	0.55	0.41	0.36
(1,1103)	1:701:A:VAL:HG23	1:741:A:ALA:H	11	0.55	0.41	0.36
(1,176)	1:709:A:GLN:HB2	1:734:A:ARG:H	11	0.51	0.35	0.37
(1,255)	1:713:A:LYS:HA	1:714:A:ASN:H	11	0.35	0.15	0.29
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE1	11	0.32	0.17	0.3
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE2	11	0.32	0.17	0.3
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE1	11	0.32	0.17	0.3
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE2	11	0.32	0.17	0.3
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE1	11	0.32	0.17	0.3
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE2	11	0.32	0.17	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,47)	1:743:A:THR:HG21	1:744:A:LEU:H	11	0.3	0.04	0.29
(1,47)	1:743:A:THR:HG22	1:744:A:LEU:H	11	0.3	0.04	0.29
(1,47)	1:743:A:THR:HG23	1:744:A:LEU:H	11	0.3	0.04	0.29
(1,773)	1:778:A:VAL:H	1:820:A:GLN:H	11	0.28	0.13	0.29
(1,292)	1:709:A:GLN:HA	1:709:A:GLN:HG2	11	0.14	0.02	0.14
(1,510)	1:833:A:VAL:HA	1:833:A:VAL:HB	11	0.12	0.0	0.12
(1,205)	1:791:A:LYS:HB2	1:791:A:LYS:HG3	11	0.11	0.0	0.11
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG21	10	1.06	0.09	1.04
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG22	10	1.06	0.09	1.04
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG23	10	1.06	0.09	1.04
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG21	10	1.06	0.09	1.04
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG22	10	1.06	0.09	1.04
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG23	10	1.06	0.09	1.04
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB2	10	0.89	0.39	0.96
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB3	10	0.89	0.39	0.96
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB2	10	0.89	0.39	0.96
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB3	10	0.89	0.39	0.96
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB2	10	0.89	0.39	0.96
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB3	10	0.89	0.39	0.96
(1,1079)	1:794:A:THR:HA	1:839:A:TRP:HD1	10	0.81	0.65	0.7
(1,888)	1:799:A:THR:H	1:801:A:ASN:H	10	0.75	0.26	0.76
(1,643)	1:706:A:GLY:HA2	1:773:A:THR:HA	10	0.69	0.32	0.76
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG2	10	0.68	0.44	0.5
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG3	10	0.68	0.44	0.5
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB2	10	0.6	0.36	0.48
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB3	10	0.6	0.36	0.48
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB2	10	0.6	0.36	0.48
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB3	10	0.6	0.36	0.48
(1,164)	1:829:A:LEU:H	1:839:A:TRP:HA	10	0.5	0.3	0.5
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG2	10	0.46	0.41	0.24
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG3	10	0.46	0.41	0.24
(1,794)	1:777:A:PRO:HA	1:820:A:GLN:H	10	0.44	0.18	0.35
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA2	10	0.43	0.22	0.48
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA3	10	0.43	0.22	0.48
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA2	10	0.43	0.22	0.48
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA3	10	0.43	0.22	0.48
(1,1317)	1:777:A:PRO:HB2	1:820:A:GLN:H	10	0.43	0.23	0.38
(1,1317)	1:777:A:PRO:HB3	1:820:A:GLN:H	10	0.43	0.23	0.38
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB1	10	0.4	0.11	0.43
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB2	10	0.4	0.11	0.43
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB3	10	0.4	0.11	0.43
(1,591)	1:819:A:LYS:HA	1:819:A:LYS:HB3	10	0.39	0.0	0.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,447)	1:819:A:LYS:HA	1:819:A:LYS:HB2	10	0.39	0.01	0.39
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB1	10	0.34	0.21	0.24
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB2	10	0.34	0.21	0.24
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB3	10	0.34	0.21	0.24
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB1	10	0.34	0.21	0.24
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB2	10	0.34	0.21	0.24
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB3	10	0.34	0.21	0.24
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA2	10	0.33	0.17	0.24
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA3	10	0.33	0.17	0.24
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA2	10	0.33	0.17	0.24
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA3	10	0.33	0.17	0.24
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA2	10	0.33	0.17	0.24
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA3	10	0.33	0.17	0.24
(1,276)	1:775:A:LYS:HA	1:775:A:LYS:HG3	10	0.3	0.07	0.32
(1,399)	1:779:A:LYS:H	1:779:A:LYS:HB3	10	0.29	0.05	0.26
(1,68)	1:845:A:LEU:HA	1:845:A:LEU:HB2	10	0.28	0.23	0.13
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE1	10	0.2	0.07	0.17
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE2	10	0.2	0.07	0.17
(1,453)	1:822:A:GLN:HA	1:822:A:GLN:HB2	10	0.13	0.05	0.11
(1,1020)	1:741:A:ALA:HA	1:742:A:ALA:H	10	0.12	0.02	0.12
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB2	9	1.24	0.61	1.15
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB3	9	1.24	0.61	1.15
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB2	9	1.24	0.61	1.15
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB3	9	1.24	0.61	1.15
(1,279)	1:820:A:GLN:HB2	1:829:A:LEU:HG	9	1.0	0.55	1.24
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB2	9	0.86	0.44	0.81
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB3	9	0.86	0.44	0.81
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB2	9	0.76	0.71	0.41
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB3	9	0.76	0.71	0.41
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG2	9	0.75	0.51	0.74
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG3	9	0.75	0.51	0.74
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG2	9	0.75	0.51	0.74
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG3	9	0.75	0.51	0.74
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG2	9	0.75	0.51	0.74
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG3	9	0.75	0.51	0.74
(1,1119)	1:706:A:GLY:HA2	1:773:A:THR:HA	9	0.68	0.27	0.67
(1,1119)	1:706:A:GLY:HA3	1:773:A:THR:HA	9	0.68	0.27	0.67
(1,979)	1:699:A:LEU:HA	1:743:A:THR:H	9	0.64	0.22	0.59
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD11	9	0.62	0.38	0.64
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD12	9	0.62	0.38	0.64
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD13	9	0.62	0.38	0.64
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD21	9	0.62	0.38	0.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD22	9	0.62	0.38	0.64
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD23	9	0.62	0.38	0.64
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG21	9	0.61	0.38	0.47
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG22	9	0.61	0.38	0.47
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG23	9	0.61	0.38	0.47
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG21	9	0.61	0.38	0.47
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG22	9	0.61	0.38	0.47
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG23	9	0.61	0.38	0.47
(1,580)	1:731:A:GLN:HA	1:731:A:GLN:HG3	9	0.51	0.21	0.59
(1,1087)	1:697:A:ASN:HB2	1:744:A:LEU:HG	9	0.49	0.26	0.62
(1,1087)	1:697:A:ASN:HB3	1:744:A:LEU:HG	9	0.49	0.26	0.62
(1,1431)	1:816:A:LYS:HB2	1:832:A:THR:HB	9	0.44	0.2	0.42
(1,1431)	1:816:A:LYS:HB3	1:832:A:THR:HB	9	0.44	0.2	0.42
(1,277)	1:775:A:LYS:H	1:775:A:LYS:HG3	9	0.42	0.12	0.49
(1,1076)	1:797:A:TRP:HA	1:797:A:TRP:HD1	9	0.41	0.18	0.31
(1,966)	1:697:A:ASN:HA	1:745:A:GLY:H	9	0.4	0.21	0.35
(1,495)	1:779:A:LYS:HA	1:819:A:LYS:HA	9	0.39	0.16	0.34
(1,969)	1:748:A:LYS:H	1:748:A:LYS:HG3	9	0.36	0.35	0.2
(1,265)	1:734:A:ARG:HA	1:734:A:ARG:HD2	9	0.35	0.14	0.38
(1,206)	1:713:A:LYS:HA	1:713:A:LYS:HE2	9	0.33	0.3	0.21
(1,1275)	1:753:A:GLY:HA2	1:762:A:GLY:H	9	0.33	0.17	0.27
(1,1275)	1:753:A:GLY:HA3	1:762:A:GLY:H	9	0.33	0.17	0.27
(1,110)	1:785:A:ASN:HA	1:814:A:THR:HA	9	0.27	0.14	0.23
(1,235)	1:818:A:THR:H	1:818:A:THR:HG21	9	0.17	0.04	0.17
(1,235)	1:818:A:THR:H	1:818:A:THR:HG22	9	0.17	0.04	0.17
(1,235)	1:818:A:THR:H	1:818:A:THR:HG23	9	0.17	0.04	0.17
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG21	9	0.12	0.02	0.11
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG22	9	0.12	0.02	0.11
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG23	9	0.12	0.02	0.11
(1,1361)	1:788:A:PRO:HB2	1:808:A:SER:HA	8	1.38	0.12	1.41
(1,1361)	1:788:A:PRO:HB3	1:808:A:SER:HA	8	1.38	0.12	1.41
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB2	8	1.22	0.91	0.92
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB3	8	1.22	0.91	0.92
(1,433)	1:825:A:LYS:HA	1:825:A:LYS:HD2	8	1.09	0.03	1.09
(1,861)	1:823:A:ILE:HB	1:828:A:TYR:H	8	0.97	0.19	1.04
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG2	8	0.88	0.41	0.92
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG3	8	0.88	0.41	0.92
(1,274)	1:754:A:ASP:HB2	1:759:A:THR:HB	8	0.87	0.69	0.57
(1,343)	1:820:A:GLN:HB3	1:829:A:LEU:HG	8	0.8	0.17	0.76
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG2	8	0.6	0.33	0.48
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG3	8	0.6	0.33	0.48
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG2	8	0.6	0.33	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG3	8	0.6	0.33	0.48
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG2	8	0.6	0.33	0.48
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG3	8	0.6	0.33	0.48
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG2	8	0.6	0.33	0.48
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG3	8	0.6	0.33	0.48
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG2	8	0.6	0.33	0.48
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG3	8	0.6	0.33	0.48
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG2	8	0.6	0.33	0.48
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG3	8	0.6	0.33	0.48
(1,342)	1:709:A:GLN:HB3	1:709:A:GLN:HG2	8	0.55	0.16	0.62
(1,125)	1:842:A:LYS:H	1:842:A:LYS:HG2	8	0.54	0.02	0.54
(1,707)	1:842:A:LYS:H	1:842:A:LYS:HG3	8	0.53	0.06	0.52
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB2	8	0.52	0.34	0.36
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB3	8	0.52	0.34	0.36
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB2	8	0.52	0.34	0.36
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB3	8	0.52	0.34	0.36
(1,211)	1:752:A:VAL:H	1:764:A:VAL:HB	8	0.51	0.31	0.39
(1,923)	1:780:A:ILE:H	1:818:A:THR:HA	8	0.49	0.34	0.45
(1,90)	1:825:A:LYS:HG2	1:825:A:LYS:HD3	8	0.48	0.01	0.48
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB2	8	0.47	0.35	0.32
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB3	8	0.47	0.35	0.32
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB2	8	0.47	0.35	0.32
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB3	8	0.47	0.35	0.32
(1,919)	1:789:A:GLY:H	1:807:A:VAL:H	8	0.44	0.25	0.46
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG2	8	0.32	0.17	0.28
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG3	8	0.32	0.17	0.28
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB2	8	0.3	0.19	0.24
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB3	8	0.3	0.19	0.24
(1,380)	1:825:A:LYS:HA	1:825:A:LYS:HB2	8	0.28	0.01	0.28
(1,941)	1:786:A:VAL:HA	1:846:A:THR:H	8	0.28	0.1	0.26
(1,576)	1:775:A:LYS:H	1:775:A:LYS:HG2	8	0.26	0.05	0.25
(1,163)	1:775:A:LYS:HA	1:775:A:LYS:HG2	8	0.26	0.09	0.25
(1,1463)	1:834:A:ASN:HB2	1:836:A:LYS:H	8	0.24	0.12	0.24
(1,1463)	1:834:A:ASN:HB3	1:836:A:LYS:H	8	0.24	0.12	0.24
(1,828)	1:781:A:ASN:H	1:781:A:ASN:HB3	8	0.15	0.03	0.14
(1,362)	1:837:A:SER:HA	1:837:A:SER:HB2	8	0.15	0.0	0.15
(1,9)	1:740:A:LYS:H	1:740:A:LYS:HD3	8	0.14	0.02	0.15
(1,566)	1:791:A:LYS:HB3	1:791:A:LYS:HG3	8	0.11	0.0	0.11
(1,1318)	1:777:A:PRO:HB2	1:821:A:GLN:HB2	7	0.79	0.23	0.81
(1,1318)	1:777:A:PRO:HB2	1:821:A:GLN:HB3	7	0.79	0.23	0.81
(1,1318)	1:777:A:PRO:HB3	1:821:A:GLN:HB2	7	0.79	0.23	0.81
(1,1318)	1:777:A:PRO:HB3	1:821:A:GLN:HB3	7	0.79	0.23	0.81

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1397)	1:794:A:THR:H	1:802:A:GLN:HG2	7	0.77	0.45	0.72
(1,1397)	1:794:A:THR:H	1:802:A:GLN:HG3	7	0.77	0.45	0.72
(1,391)	1:734:A:ARG:HA	1:799:A:THR:H	7	0.74	0.29	0.88
(1,1173)	1:718:A:TYR:HB2	1:723:A:ASP:HB2	7	0.54	0.39	0.39
(1,1173)	1:718:A:TYR:HB2	1:723:A:ASP:HB3	7	0.54	0.39	0.39
(1,1173)	1:718:A:TYR:HB3	1:723:A:ASP:HB2	7	0.54	0.39	0.39
(1,1173)	1:718:A:TYR:HB3	1:723:A:ASP:HB3	7	0.54	0.39	0.39
(1,1066)	1:761:A:TYR:H	1:761:A:TYR:HE1	7	0.52	0.16	0.6
(1,1066)	1:761:A:TYR:H	1:761:A:TYR:HE2	7	0.52	0.16	0.6
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB1	7	0.49	0.28	0.53
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB2	7	0.49	0.28	0.53
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB3	7	0.49	0.28	0.53
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB1	7	0.49	0.28	0.53
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB2	7	0.49	0.28	0.53
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB3	7	0.49	0.28	0.53
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB1	7	0.49	0.28	0.53
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB2	7	0.49	0.28	0.53
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB3	7	0.49	0.28	0.53
(1,646)	1:717:A:LEU:HA	1:717:A:LEU:HG	7	0.47	0.03	0.48
(1,997)	1:753:A:GLY:HA3	1:761:A:TYR:H	7	0.45	0.29	0.36
(1,1450)	1:825:A:LYS:HG2	1:825:A:LYS:HE2	7	0.45	0.03	0.45
(1,1450)	1:825:A:LYS:HG2	1:825:A:LYS:HE3	7	0.45	0.03	0.45
(1,1450)	1:825:A:LYS:HG3	1:825:A:LYS:HE2	7	0.45	0.03	0.45
(1,1450)	1:825:A:LYS:HG3	1:825:A:LYS:HE3	7	0.45	0.03	0.45
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB1	7	0.41	0.16	0.37
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB2	7	0.41	0.16	0.37
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB3	7	0.41	0.16	0.37
(1,830)	1:718:A:TYR:H	1:763:A:TRP:H	7	0.4	0.21	0.41
(1,519)	1:804:A:ALA:HB1	1:839:A:TRP:H	7	0.35	0.13	0.4
(1,519)	1:804:A:ALA:HB2	1:839:A:TRP:H	7	0.35	0.13	0.4
(1,519)	1:804:A:ALA:HB3	1:839:A:TRP:H	7	0.35	0.13	0.4
(1,384)	1:842:A:LYS:HA	1:842:A:LYS:HG2	7	0.33	0.09	0.31
(1,1001)	1:779:A:LYS:H	1:779:A:LYS:HB2	7	0.32	0.05	0.3
(1,411)	1:713:A:LYS:H	1:713:A:LYS:HE3	7	0.21	0.11	0.12
(1,3)	1:709:A:GLN:HA	1:709:A:GLN:HG3	7	0.15	0.01	0.16
(1,1166)	1:717:A:LEU:HD11	1:764:A:VAL:HB	6	1.13	0.48	1.32
(1,1166)	1:717:A:LEU:HD12	1:764:A:VAL:HB	6	1.13	0.48	1.32
(1,1166)	1:717:A:LEU:HD13	1:764:A:VAL:HB	6	1.13	0.48	1.32
(1,1166)	1:717:A:LEU:HD21	1:764:A:VAL:HB	6	1.13	0.48	1.32
(1,1166)	1:717:A:LEU:HD22	1:764:A:VAL:HB	6	1.13	0.48	1.32
(1,1166)	1:717:A:LEU:HD23	1:764:A:VAL:HB	6	1.13	0.48	1.32
(1,1198)	1:725:A:LYS:HA	1:725:A:LYS:HE2	6	0.99	0.32	1.04

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1198)	1:725:A:LYS:HA	1:725:A:LYS:HE3	6	0.99	0.32	1.04
(1,1386)	1:792:A:LEU:HD11	1:806:A:THR:HA	6	0.97	0.4	0.9
(1,1386)	1:792:A:LEU:HD12	1:806:A:THR:HA	6	0.97	0.4	0.9
(1,1386)	1:792:A:LEU:HD13	1:806:A:THR:HA	6	0.97	0.4	0.9
(1,1386)	1:792:A:LEU:HD21	1:806:A:THR:HA	6	0.97	0.4	0.9
(1,1386)	1:792:A:LEU:HD22	1:806:A:THR:HA	6	0.97	0.4	0.9
(1,1386)	1:792:A:LEU:HD23	1:806:A:THR:HA	6	0.97	0.4	0.9
(1,1197)	1:725:A:LYS:H	1:725:A:LYS:HE2	6	0.93	0.43	1.02
(1,1197)	1:725:A:LYS:H	1:725:A:LYS:HE3	6	0.93	0.43	1.02
(1,810)	1:839:A:TRP:HE3	1:840:A:ILE:H	6	0.93	0.41	0.88
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	6	0.83	0.07	0.87
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD12	6	0.83	0.07	0.87
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD13	6	0.83	0.07	0.87
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD11	6	0.83	0.07	0.87
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD12	6	0.83	0.07	0.87
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD13	6	0.83	0.07	0.87
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD11	6	0.83	0.07	0.87
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD12	6	0.83	0.07	0.87
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD13	6	0.83	0.07	0.87
(1,1151)	1:714:A:ASN:HB2	1:768:A:GLU:HB2	6	0.75	0.45	0.68
(1,1151)	1:714:A:ASN:HB2	1:768:A:GLU:HB3	6	0.75	0.45	0.68
(1,1151)	1:714:A:ASN:HB3	1:768:A:GLU:HB2	6	0.75	0.45	0.68
(1,1151)	1:714:A:ASN:HB3	1:768:A:GLU:HB3	6	0.75	0.45	0.68
(1,193)	1:706:A:GLY:HA3	1:773:A:THR:HA	6	0.61	0.21	0.62
(1,11)	1:785:A:ASN:H	1:847:A:ALA:HA	6	0.57	0.16	0.64
(1,1334)	1:783:A:THR:HA	1:816:A:LYS:HG2	6	0.57	0.38	0.54
(1,1334)	1:783:A:THR:HA	1:816:A:LYS:HG3	6	0.57	0.38	0.54
(1,675)	1:749:A:PHE:HA	1:766:A:GLN:H	6	0.55	0.43	0.45
(1,573)	1:743:A:THR:HA	1:743:A:THR:HB	6	0.5	0.0	0.5
(1,27)	1:781:A:ASN:HA	1:781:A:ASN:HB3	6	0.47	0.25	0.64
(1,1106)	1:703:A:ASN:HA	1:740:A:LYS:HG2	6	0.4	0.13	0.36
(1,1106)	1:703:A:ASN:HA	1:740:A:LYS:HG3	6	0.4	0.13	0.36
(1,1244)	1:744:A:LEU:HB2	1:747:A:LYS:HB2	6	0.39	0.24	0.36
(1,1244)	1:744:A:LEU:HB2	1:747:A:LYS:HB3	6	0.39	0.24	0.36
(1,1244)	1:744:A:LEU:HB3	1:747:A:LYS:HB2	6	0.39	0.24	0.36
(1,1244)	1:744:A:LEU:HB3	1:747:A:LYS:HB3	6	0.39	0.24	0.36
(1,370)	1:765:A:LYS:H	1:765:A:LYS:HE3	6	0.36	0.09	0.38
(1,49)	1:743:A:THR:H	1:743:A:THR:HG21	6	0.33	0.06	0.36
(1,49)	1:743:A:THR:H	1:743:A:THR:HG22	6	0.33	0.06	0.36
(1,49)	1:743:A:THR:H	1:743:A:THR:HG23	6	0.33	0.06	0.36
(1,195)	1:710:A:ILE:HA	1:769:A:VAL:HA	6	0.29	0.24	0.22
(1,209)	1:746:A:ASP:HA	1:746:A:ASP:HB3	6	0.28	0.01	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,494)	1:746:A:ASP:HA	1:746:A:ASP:HB2	6	0.28	0.0	0.28
(1,977)	1:700:A:THR:H	1:743:A:THR:H	6	0.27	0.15	0.26
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD11	6	0.23	0.05	0.24
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD12	6	0.23	0.05	0.24
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD13	6	0.23	0.05	0.24
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD21	6	0.23	0.05	0.24
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD22	6	0.23	0.05	0.24
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD23	6	0.23	0.05	0.24
(1,367)	1:822:A:GLN:HB3	1:822:A:GLN:HG3	6	0.14	0.04	0.12
(1,1177)	1:719:A:THR:H	1:723:A:ASP:HB2	5	1.38	0.49	1.58
(1,1177)	1:719:A:THR:H	1:723:A:ASP:HB3	5	1.38	0.49	1.58
(1,1150)	1:714:A:ASN:HB2	1:716:A:GLY:H	5	1.23	0.22	1.16
(1,1150)	1:714:A:ASN:HB3	1:716:A:GLY:H	5	1.23	0.22	1.16
(1,1449)	1:825:A:LYS:HB2	1:825:A:LYS:HE2	5	1.19	0.05	1.21
(1,1449)	1:825:A:LYS:HB2	1:825:A:LYS:HE3	5	1.19	0.05	1.21
(1,1449)	1:825:A:LYS:HB3	1:825:A:LYS:HE2	5	1.19	0.05	1.21
(1,1449)	1:825:A:LYS:HB3	1:825:A:LYS:HE3	5	1.19	0.05	1.21
(1,1442)	1:821:A:GLN:HB2	1:828:A:TYR:HB2	5	0.99	0.45	1.14
(1,1442)	1:821:A:GLN:HB2	1:828:A:TYR:HB3	5	0.99	0.45	1.14
(1,1442)	1:821:A:GLN:HB3	1:828:A:TYR:HB2	5	0.99	0.45	1.14
(1,1442)	1:821:A:GLN:HB3	1:828:A:TYR:HB3	5	0.99	0.45	1.14
(1,1180)	1:720:A:THR:H	1:723:A:ASP:HB2	5	0.98	0.29	1.08
(1,1180)	1:720:A:THR:H	1:723:A:ASP:HB3	5	0.98	0.29	1.08
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD11	5	0.8	0.02	0.8
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD12	5	0.8	0.02	0.8
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD13	5	0.8	0.02	0.8
(1,825)	1:780:A:ILE:HB	1:781:A:ASN:H	5	0.72	0.05	0.74
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG21	5	0.62	0.21	0.69
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG22	5	0.62	0.21	0.69
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG23	5	0.62	0.21	0.69
(1,1457)	1:829:A:LEU:HD11	1:842:A:LYS:H	5	0.56	0.24	0.65
(1,1457)	1:829:A:LEU:HD12	1:842:A:LYS:H	5	0.56	0.24	0.65
(1,1457)	1:829:A:LEU:HD13	1:842:A:LYS:H	5	0.56	0.24	0.65
(1,1457)	1:829:A:LEU:HD21	1:842:A:LYS:H	5	0.56	0.24	0.65
(1,1457)	1:829:A:LEU:HD22	1:842:A:LYS:H	5	0.56	0.24	0.65
(1,1457)	1:829:A:LEU:HD23	1:842:A:LYS:H	5	0.56	0.24	0.65
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD11	5	0.56	0.22	0.46
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD12	5	0.56	0.22	0.46
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD13	5	0.56	0.22	0.46
(1,474)	1:819:A:LYS:HA	1:819:A:LYS:HG2	5	0.52	0.19	0.63
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB1	5	0.52	0.24	0.5
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB2	5	0.52	0.24	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB3	5	0.52	0.24	0.5
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB1	5	0.52	0.24	0.5
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB2	5	0.52	0.24	0.5
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB3	5	0.52	0.24	0.5
(1,431)	1:825:A:LYS:HG2	1:825:A:LYS:HD2	5	0.48	0.0	0.48
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB1	5	0.48	0.19	0.46
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB2	5	0.48	0.19	0.46
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB3	5	0.48	0.19	0.46
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB1	5	0.48	0.19	0.46
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB2	5	0.48	0.19	0.46
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB3	5	0.48	0.19	0.46
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB1	5	0.48	0.19	0.46
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB2	5	0.48	0.19	0.46
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB3	5	0.48	0.19	0.46
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB1	5	0.48	0.19	0.46
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB2	5	0.48	0.19	0.46
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB3	5	0.48	0.19	0.46
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB1	5	0.48	0.19	0.46
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB2	5	0.48	0.19	0.46
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB3	5	0.48	0.19	0.46
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB1	5	0.48	0.19	0.46
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB2	5	0.48	0.19	0.46
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB3	5	0.48	0.19	0.46
(1,258)	1:810:A:LYS:HA	1:810:A:LYS:HB3	5	0.47	0.01	0.47
(1,167)	1:839:A:TRP:HA	1:839:A:TRP:HE3	5	0.45	0.24	0.47
(1,875)	1:794:A:THR:H	1:803:A:VAL:HA	5	0.44	0.25	0.46
(1,1408)	1:797:A:TRP:HB2	1:823:A:ILE:HG12	5	0.44	0.38	0.31
(1,1408)	1:797:A:TRP:HB2	1:823:A:ILE:HG13	5	0.44	0.38	0.31
(1,1408)	1:797:A:TRP:HB3	1:823:A:ILE:HG12	5	0.44	0.38	0.31
(1,1408)	1:797:A:TRP:HB3	1:823:A:ILE:HG13	5	0.44	0.38	0.31
(1,704)	1:829:A:LEU:H	1:842:A:LYS:H	5	0.44	0.25	0.34
(1,1392)	1:793:A:HIS:HB2	1:798:A:GLY:H	5	0.43	0.2	0.48
(1,1392)	1:793:A:HIS:HB3	1:798:A:GLY:H	5	0.43	0.2	0.48
(1,545)	1:731:A:GLN:HA	1:731:A:GLN:HG2	5	0.43	0.12	0.42
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB1	5	0.42	0.22	0.39
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB2	5	0.42	0.22	0.39
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB3	5	0.42	0.22	0.39
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG11	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG12	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG13	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG21	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG22	5	0.42	0.2	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG23	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG11	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG12	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG13	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG21	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG22	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG23	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG11	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG12	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG13	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG21	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG22	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG23	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG11	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG12	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG13	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG21	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG22	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG23	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG11	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG12	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG13	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG21	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG22	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG23	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG11	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG12	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG13	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG21	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG22	5	0.42	0.2	0.44
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG23	5	0.42	0.2	0.44
(1,100)	1:810:A:LYS:HA	1:810:A:LYS:HG2	5	0.41	0.14	0.45
(1,1086)	1:784:A:TYR:H	1:784:A:TYR:HE1	5	0.38	0.18	0.26
(1,1086)	1:784:A:TYR:H	1:784:A:TYR:HE2	5	0.38	0.18	0.26
(1,712)	1:715:A:SER:H	1:716:A:GLY:H	5	0.37	0.02	0.36
(1,1448)	1:825:A:LYS:HA	1:825:A:LYS:HE2	5	0.31	0.04	0.3
(1,1448)	1:825:A:LYS:HA	1:825:A:LYS:HE3	5	0.31	0.04	0.3
(1,475)	1:819:A:LYS:HB3	1:819:A:LYS:HG2	5	0.3	0.22	0.16
(1,214)	1:793:A:HIS:HB3	1:793:A:HIS:HE1	5	0.28	0.09	0.31
(1,526)	1:781:A:ASN:HA	1:818:A:THR:HA	5	0.27	0.15	0.21
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD11	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD12	5	0.24	0.08	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD13	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD21	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD22	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD23	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD11	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD12	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD13	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD21	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD22	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD23	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD11	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD12	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD13	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD21	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD22	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD23	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD11	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD12	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD13	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD21	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD22	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD23	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD11	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD12	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD13	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD21	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD22	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD23	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD11	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD12	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD13	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD21	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD22	5	0.24	0.08	0.24
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD23	5	0.24	0.08	0.24
(1,835)	1:817:A:ALA:HB1	1:819:A:LYS:H	5	0.21	0.06	0.19
(1,835)	1:817:A:ALA:HB2	1:819:A:LYS:H	5	0.21	0.06	0.19
(1,835)	1:817:A:ALA:HB3	1:819:A:LYS:H	5	0.21	0.06	0.19
(1,347)	1:735:A:THR:HG21	1:736:A:LEU:H	5	0.19	0.04	0.18
(1,347)	1:735:A:THR:HG22	1:736:A:LEU:H	5	0.19	0.04	0.18
(1,347)	1:735:A:THR:HG23	1:736:A:LEU:H	5	0.19	0.04	0.18
(1,1217)	1:737:A:SER:HB2	1:753:A:GLY:H	5	0.18	0.04	0.16
(1,1217)	1:737:A:SER:HB3	1:753:A:GLY:H	5	0.18	0.04	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,25)	1:781:A:ASN:HA	1:781:A:ASN:HB2	5	0.17	0.06	0.15
(1,790)	1:780:A:ILE:HD11	1:782:A:GLN:H	5	0.16	0.05	0.14
(1,790)	1:780:A:ILE:HD12	1:782:A:GLN:H	5	0.16	0.05	0.14
(1,790)	1:780:A:ILE:HD13	1:782:A:GLN:H	5	0.16	0.05	0.14
(1,130)	1:748:A:LYS:HA	1:748:A:LYS:HB3	5	0.13	0.01	0.13
(1,108)	1:802:A:GLN:HA	1:802:A:GLN:HG2	5	0.12	0.02	0.11
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG11	4	1.02	0.32	1.16
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG12	4	1.02	0.32	1.16
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG13	4	1.02	0.32	1.16
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG21	4	1.02	0.32	1.16
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG22	4	1.02	0.32	1.16
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG23	4	1.02	0.32	1.16
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG11	4	1.02	0.32	1.16
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG12	4	1.02	0.32	1.16
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG13	4	1.02	0.32	1.16
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG21	4	1.02	0.32	1.16
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG22	4	1.02	0.32	1.16
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG23	4	1.02	0.32	1.16
(1,1410)	1:799:A:THR:H	1:802:A:GLN:HG2	4	0.94	0.55	0.9
(1,1410)	1:799:A:THR:H	1:802:A:GLN:HG3	4	0.94	0.55	0.9
(1,745)	1:823:A:ILE:H	1:826:A:ALA:H	4	0.88	0.42	0.74
(1,225)	1:732:A:ILE:HB	1:732:A:ILE:HD11	4	0.88	0.01	0.88
(1,225)	1:732:A:ILE:HB	1:732:A:ILE:HD12	4	0.88	0.01	0.88
(1,225)	1:732:A:ILE:HB	1:732:A:ILE:HD13	4	0.88	0.01	0.88
(1,871)	1:709:A:GLN:HA	1:733:A:GLN:H	4	0.87	0.48	0.94
(1,1152)	1:715:A:SER:HB2	1:718:A:TYR:HE1	4	0.86	0.28	0.96
(1,1152)	1:715:A:SER:HB2	1:718:A:TYR:HE2	4	0.86	0.28	0.96
(1,1152)	1:715:A:SER:HB3	1:718:A:TYR:HE1	4	0.86	0.28	0.96
(1,1152)	1:715:A:SER:HB3	1:718:A:TYR:HE2	4	0.86	0.28	0.96
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD11	4	0.85	0.26	0.79
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD12	4	0.85	0.26	0.79
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD13	4	0.85	0.26	0.79
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD21	4	0.85	0.26	0.79
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD22	4	0.85	0.26	0.79
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD23	4	0.85	0.26	0.79
(1,1220)	1:737:A:SER:HB2	1:755:A:TYR:HB2	4	0.77	0.46	0.68
(1,1220)	1:737:A:SER:HB2	1:755:A:TYR:HB3	4	0.77	0.46	0.68
(1,1220)	1:737:A:SER:HB3	1:755:A:TYR:HB2	4	0.77	0.46	0.68
(1,1220)	1:737:A:SER:HB3	1:755:A:TYR:HB3	4	0.77	0.46	0.68
(1,63)	1:796:A:PRO:HA	1:839:A:TRP:HB3	4	0.7	0.65	0.45
(1,464)	1:712:A:ALA:H	1:732:A:ILE:HB	4	0.63	0.43	0.6
(1,1129)	1:707:A:VAL:HG11	1:774:A:ALA:HB1	4	0.57	0.36	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1129)	1:707:A:VAL:HG11	1:774:A:ALA:HB2	4	0.57	0.36	0.4
(1,1129)	1:707:A:VAL:HG11	1:774:A:ALA:HB3	4	0.57	0.36	0.4
(1,1129)	1:707:A:VAL:HG12	1:774:A:ALA:HB1	4	0.57	0.36	0.4
(1,1129)	1:707:A:VAL:HG12	1:774:A:ALA:HB2	4	0.57	0.36	0.4
(1,1129)	1:707:A:VAL:HG12	1:774:A:ALA:HB3	4	0.57	0.36	0.4
(1,1129)	1:707:A:VAL:HG13	1:774:A:ALA:HB1	4	0.57	0.36	0.4
(1,1129)	1:707:A:VAL:HG13	1:774:A:ALA:HB2	4	0.57	0.36	0.4
(1,1129)	1:707:A:VAL:HG13	1:774:A:ALA:HB3	4	0.57	0.36	0.4
(1,1129)	1:707:A:VAL:HG21	1:774:A:ALA:HB1	4	0.57	0.36	0.4
(1,1129)	1:707:A:VAL:HG21	1:774:A:ALA:HB2	4	0.57	0.36	0.4
(1,1129)	1:707:A:VAL:HG21	1:774:A:ALA:HB3	4	0.57	0.36	0.4
(1,1129)	1:707:A:VAL:HG22	1:774:A:ALA:HB1	4	0.57	0.36	0.4
(1,1129)	1:707:A:VAL:HG22	1:774:A:ALA:HB2	4	0.57	0.36	0.4
(1,1129)	1:707:A:VAL:HG22	1:774:A:ALA:HB3	4	0.57	0.36	0.4
(1,1129)	1:707:A:VAL:HG23	1:774:A:ALA:HB1	4	0.57	0.36	0.4
(1,1129)	1:707:A:VAL:HG23	1:774:A:ALA:HB2	4	0.57	0.36	0.4
(1,1129)	1:707:A:VAL:HG23	1:774:A:ALA:HB3	4	0.57	0.36	0.4
(1,734)	1:754:A:ASP:H	1:760:A:ASN:HA	4	0.52	0.3	0.42
(1,184)	1:708:A:ALA:HB1	1:769:A:VAL:HB	4	0.52	0.24	0.43
(1,184)	1:708:A:ALA:HB2	1:769:A:VAL:HB	4	0.52	0.24	0.43
(1,184)	1:708:A:ALA:HB3	1:769:A:VAL:HB	4	0.52	0.24	0.43
(1,451)	1:802:A:GLN:HA	1:802:A:GLN:HG3	4	0.48	0.22	0.6
(1,1297)	1:765:A:LYS:HB2	1:768:A:GLU:HB2	4	0.48	0.04	0.5
(1,1297)	1:765:A:LYS:HB2	1:768:A:GLU:HB3	4	0.48	0.04	0.5
(1,1297)	1:765:A:LYS:HB3	1:768:A:GLU:HB2	4	0.48	0.04	0.5
(1,1297)	1:765:A:LYS:HB3	1:768:A:GLU:HB3	4	0.48	0.04	0.5
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG11	4	0.47	0.24	0.52
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG12	4	0.47	0.24	0.52
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG13	4	0.47	0.24	0.52
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG21	4	0.47	0.24	0.52
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG22	4	0.47	0.24	0.52
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG23	4	0.47	0.24	0.52
(1,1311)	1:775:A:LYS:H	1:822:A:GLN:HB2	4	0.43	0.27	0.34
(1,1311)	1:775:A:LYS:H	1:822:A:GLN:HB3	4	0.43	0.27	0.34
(1,881)	1:817:A:ALA:HA	1:832:A:THR:H	4	0.41	0.26	0.34
(1,246)	1:788:A:PRO:HB2	1:809:A:GLY:H	4	0.38	0.03	0.4
(1,316)	1:725:A:LYS:H	1:725:A:LYS:HG2	4	0.38	0.1	0.42
(1,165)	1:831:A:GLY:H	1:839:A:TRP:HA	4	0.37	0.09	0.4
(1,1232)	1:739:A:THR:H	1:751:A:LEU:HB2	4	0.32	0.15	0.34
(1,1232)	1:739:A:THR:H	1:751:A:LEU:HB3	4	0.32	0.15	0.34
(1,809)	1:830:A:TYR:HA	1:840:A:ILE:H	4	0.32	0.15	0.32
(1,709)	1:793:A:HIS:H	1:793:A:HIS:HD2	4	0.3	0.17	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,839)	1:788:A:PRO:HB3	1:809:A:GLY:H	4	0.27	0.08	0.24
(1,1312)	1:775:A:LYS:HB2	1:776:A:SER:H	4	0.25	0.03	0.26
(1,1312)	1:775:A:LYS:HB3	1:776:A:SER:H	4	0.25	0.03	0.26
(1,856)	1:828:A:TYR:H	1:828:A:TYR:HE1	4	0.24	0.1	0.2
(1,856)	1:828:A:TYR:H	1:828:A:TYR:HE2	4	0.24	0.1	0.2
(1,37)	1:815:A:PHE:HA	1:832:A:THR:H	4	0.24	0.13	0.19
(1,427)	1:767:A:ASP:HA	1:769:A:VAL:H	4	0.24	0.1	0.19
(1,1339)	1:784:A:TYR:HB2	1:846:A:THR:H	4	0.24	0.05	0.26
(1,1339)	1:784:A:TYR:HB3	1:846:A:THR:H	4	0.24	0.05	0.26
(1,1328)	1:781:A:ASN:H	1:782:A:GLN:HB2	4	0.24	0.08	0.21
(1,1328)	1:781:A:ASN:H	1:782:A:GLN:HB3	4	0.24	0.08	0.21
(1,1147)	1:711:A:ASN:HB2	1:713:A:LYS:HB2	4	0.24	0.14	0.18
(1,1147)	1:711:A:ASN:HB2	1:713:A:LYS:HB3	4	0.24	0.14	0.18
(1,1147)	1:711:A:ASN:HB3	1:713:A:LYS:HB2	4	0.24	0.14	0.18
(1,1147)	1:711:A:ASN:HB3	1:713:A:LYS:HB3	4	0.24	0.14	0.18
(1,103)	1:780:A:ILE:HD11	1:817:A:ALA:HB1	4	0.22	0.04	0.24
(1,103)	1:780:A:ILE:HD11	1:817:A:ALA:HB2	4	0.22	0.04	0.24
(1,103)	1:780:A:ILE:HD11	1:817:A:ALA:HB3	4	0.22	0.04	0.24
(1,103)	1:780:A:ILE:HD12	1:817:A:ALA:HB1	4	0.22	0.04	0.24
(1,103)	1:780:A:ILE:HD12	1:817:A:ALA:HB2	4	0.22	0.04	0.24
(1,103)	1:780:A:ILE:HD12	1:817:A:ALA:HB3	4	0.22	0.04	0.24
(1,103)	1:780:A:ILE:HD13	1:817:A:ALA:HB1	4	0.22	0.04	0.24
(1,103)	1:780:A:ILE:HD13	1:817:A:ALA:HB2	4	0.22	0.04	0.24
(1,103)	1:780:A:ILE:HD13	1:817:A:ALA:HB3	4	0.22	0.04	0.24
(1,1056)	1:750:A:TYR:HA	1:750:A:TYR:HD1	4	0.2	0.05	0.18
(1,1056)	1:750:A:TYR:HA	1:750:A:TYR:HD2	4	0.2	0.05	0.18
(1,198)	1:813:A:GLN:HA	1:813:A:GLN:HG3	4	0.18	0.04	0.19
(1,133)	1:832:A:THR:HG21	1:836:A:LYS:H	4	0.17	0.07	0.14
(1,133)	1:832:A:THR:HG22	1:836:A:LYS:H	4	0.17	0.07	0.14
(1,133)	1:832:A:THR:HG23	1:836:A:LYS:H	4	0.17	0.07	0.14
(1,681)	1:722:A:TYR:H	1:722:A:TYR:HD1	4	0.16	0.03	0.15
(1,681)	1:722:A:TYR:H	1:722:A:TYR:HD2	4	0.16	0.03	0.15
(1,466)	1:747:A:LYS:H	1:747:A:LYS:HG2	4	0.15	0.03	0.13
(1,596)	1:735:A:THR:HA	1:735:A:THR:HG21	4	0.12	0.02	0.12
(1,596)	1:735:A:THR:HA	1:735:A:THR:HG22	4	0.12	0.02	0.12
(1,596)	1:735:A:THR:HA	1:735:A:THR:HG23	4	0.12	0.02	0.12
(1,304)	1:710:A:ILE:HB	1:710:A:ILE:HG13	4	0.11	0.01	0.12
(1,174)	1:710:A:ILE:HB	1:710:A:ILE:HG12	4	0.11	0.01	0.11
(1,462)	1:712:A:ALA:HA	1:732:A:ILE:HB	3	1.39	0.41	1.64
(1,1136)	1:709:A:GLN:HB2	1:733:A:GLN:HA	3	1.09	0.71	1.37
(1,1136)	1:709:A:GLN:HB3	1:733:A:GLN:HA	3	1.09	0.71	1.37
(1,924)	1:845:A:LEU:H	1:845:A:LEU:HB3	3	1.05	0.03	1.07

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1281)	1:754:A:ASP:HB2	1:759:A:THR:HB	3	0.84	0.48	1.07
(1,1281)	1:754:A:ASP:HB3	1:759:A:THR:HB	3	0.84	0.48	1.07
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD11	3	0.77	0.09	0.74
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD12	3	0.77	0.09	0.74
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD13	3	0.77	0.09	0.74
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD21	3	0.77	0.09	0.74
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD22	3	0.77	0.09	0.74
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD23	3	0.77	0.09	0.74
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG11	3	0.76	0.49	0.74
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG12	3	0.76	0.49	0.74
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG13	3	0.76	0.49	0.74
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG21	3	0.76	0.49	0.74
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG22	3	0.76	0.49	0.74
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG23	3	0.76	0.49	0.74
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG11	3	0.71	0.18	0.61
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG12	3	0.71	0.18	0.61
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG13	3	0.71	0.18	0.61
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG21	3	0.71	0.18	0.61
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG22	3	0.71	0.18	0.61
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG23	3	0.71	0.18	0.61
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG11	3	0.71	0.18	0.61
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG12	3	0.71	0.18	0.61
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG13	3	0.71	0.18	0.61
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG21	3	0.71	0.18	0.61
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG22	3	0.71	0.18	0.61
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG23	3	0.71	0.18	0.61
(1,1157)	1:716:A:GLY:HA2	1:729:A:THR:HG21	3	0.68	0.29	0.56
(1,1157)	1:716:A:GLY:HA2	1:729:A:THR:HG22	3	0.68	0.29	0.56
(1,1157)	1:716:A:GLY:HA2	1:729:A:THR:HG23	3	0.68	0.29	0.56
(1,1157)	1:716:A:GLY:HA3	1:729:A:THR:HG21	3	0.68	0.29	0.56
(1,1157)	1:716:A:GLY:HA3	1:729:A:THR:HG22	3	0.68	0.29	0.56
(1,1157)	1:716:A:GLY:HA3	1:729:A:THR:HG23	3	0.68	0.29	0.56
(1,1384)	1:792:A:LEU:HB2	1:805:A:GLY:HA2	3	0.65	0.28	0.72
(1,1384)	1:792:A:LEU:HB2	1:805:A:GLY:HA3	3	0.65	0.28	0.72
(1,1384)	1:792:A:LEU:HB3	1:805:A:GLY:HA2	3	0.65	0.28	0.72
(1,1384)	1:792:A:LEU:HB3	1:805:A:GLY:HA3	3	0.65	0.28	0.72
(1,191)	1:822:A:GLN:HB3	1:822:A:GLN:HG2	3	0.63	0.0	0.63
(1,1127)	1:707:A:VAL:HG11	1:772:A:ASN:H	3	0.63	0.37	0.88
(1,1127)	1:707:A:VAL:HG12	1:772:A:ASN:H	3	0.63	0.37	0.88
(1,1127)	1:707:A:VAL:HG13	1:772:A:ASN:H	3	0.63	0.37	0.88
(1,1127)	1:707:A:VAL:HG21	1:772:A:ASN:H	3	0.63	0.37	0.88
(1,1127)	1:707:A:VAL:HG22	1:772:A:ASN:H	3	0.63	0.37	0.88

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1127)	1:707:A:VAL:HG23	1:772:A:ASN:H	3	0.63	0.37	0.88
(1,634)	1:764:A:VAL:HA	1:764:A:VAL:HG21	3	0.62	0.0	0.62
(1,634)	1:764:A:VAL:HA	1:764:A:VAL:HG22	3	0.62	0.0	0.62
(1,634)	1:764:A:VAL:HA	1:764:A:VAL:HG23	3	0.62	0.0	0.62
(1,645)	1:750:A:TYR:HE1	1:766:A:GLN:HA	3	0.61	0.51	0.37
(1,645)	1:750:A:TYR:HE2	1:766:A:GLN:HA	3	0.61	0.51	0.37
(1,1059)	1:800:A:TYR:H	1:800:A:TYR:HE1	3	0.58	0.01	0.57
(1,1059)	1:800:A:TYR:H	1:800:A:TYR:HE2	3	0.58	0.01	0.57
(1,480)	1:816:A:LYS:H	1:833:A:VAL:HA	3	0.56	0.25	0.55
(1,536)	1:840:A:ILE:H	1:840:A:ILE:HG12	3	0.55	0.06	0.51
(1,183)	1:845:A:LEU:HB3	1:845:A:LEU:HD21	3	0.54	0.0	0.54
(1,183)	1:845:A:LEU:HB3	1:845:A:LEU:HD22	3	0.54	0.0	0.54
(1,183)	1:845:A:LEU:HB3	1:845:A:LEU:HD23	3	0.54	0.0	0.54
(1,968)	1:699:A:LEU:HA	1:745:A:GLY:H	3	0.53	0.15	0.59
(1,1314)	1:775:A:LYS:HB2	1:822:A:GLN:HB2	3	0.51	0.18	0.45
(1,1314)	1:775:A:LYS:HB2	1:822:A:GLN:HB3	3	0.51	0.18	0.45
(1,1314)	1:775:A:LYS:HB3	1:822:A:GLN:HB2	3	0.51	0.18	0.45
(1,1314)	1:775:A:LYS:HB3	1:822:A:GLN:HB3	3	0.51	0.18	0.45
(1,215)	1:698:A:GLN:HA	1:698:A:GLN:HG2	3	0.5	0.28	0.69
(1,448)	1:819:A:LYS:HA	1:819:A:LYS:HG3	3	0.49	0.27	0.64
(1,115)	1:836:A:LYS:H	1:836:A:LYS:HG3	3	0.46	0.15	0.5
(1,740)	1:796:A:PRO:HA	1:798:A:GLY:H	3	0.46	0.05	0.48
(1,726)	1:830:A:TYR:HD1	1:831:A:GLY:H	3	0.46	0.27	0.5
(1,726)	1:830:A:TYR:HD2	1:831:A:GLY:H	3	0.46	0.27	0.5
(1,148)	1:734:A:ARG:HA	1:734:A:ARG:HG3	3	0.38	0.17	0.5
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG11	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG12	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG13	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG21	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG22	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG23	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG11	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG12	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG13	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG21	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG22	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG23	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG11	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG12	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG13	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG21	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG22	3	0.37	0.11	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG23	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG11	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG12	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG13	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG21	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG22	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG23	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG11	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG12	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG13	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG21	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG22	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG23	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG11	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG12	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG13	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG21	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG22	3	0.37	0.11	0.32
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG23	3	0.37	0.11	0.32
(1,345)	1:708:A:ALA:H	1:735:A:THR:HG21	3	0.36	0.2	0.39
(1,345)	1:708:A:ALA:H	1:735:A:THR:HG22	3	0.36	0.2	0.39
(1,345)	1:708:A:ALA:H	1:735:A:THR:HG23	3	0.36	0.2	0.39
(1,7)	1:740:A:LYS:HA	1:740:A:LYS:HD3	3	0.35	0.09	0.35
(1,106)	1:780:A:ILE:H	1:780:A:ILE:HG13	3	0.34	0.04	0.36
(1,608)	1:816:A:LYS:HA	1:816:A:LYS:HG3	3	0.32	0.02	0.34
(1,1381)	1:792:A:LEU:HB2	1:804:A:ALA:H	3	0.32	0.13	0.38
(1,1381)	1:792:A:LEU:HB3	1:804:A:ALA:H	3	0.32	0.13	0.38
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG11	3	0.31	0.17	0.26
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG12	3	0.31	0.17	0.26
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG13	3	0.31	0.17	0.26
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG21	3	0.31	0.17	0.26
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG22	3	0.31	0.17	0.26
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG23	3	0.31	0.17	0.26
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG11	3	0.31	0.17	0.26
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG12	3	0.31	0.17	0.26
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG13	3	0.31	0.17	0.26
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG21	3	0.31	0.17	0.26
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG22	3	0.31	0.17	0.26
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG23	3	0.31	0.17	0.26
(1,1117)	1:706:A:GLY:HA2	1:738:A:VAL:HB	3	0.28	0.12	0.22
(1,1117)	1:706:A:GLY:HA3	1:738:A:VAL:HB	3	0.28	0.12	0.22
(1,162)	1:822:A:GLN:HA	1:822:A:GLN:HG3	3	0.27	0.0	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,995)	1:754:A:ASP:H	1:761:A:TYR:H	3	0.27	0.08	0.31
(1,239)	1:704:A:ASN:HB2	1:741:A:ALA:HB1	3	0.24	0.07	0.27
(1,239)	1:704:A:ASN:HB2	1:741:A:ALA:HB2	3	0.24	0.07	0.27
(1,239)	1:704:A:ASN:HB2	1:741:A:ALA:HB3	3	0.24	0.07	0.27
(1,1464)	1:836:A:LYS:H	1:836:A:LYS:HD2	3	0.24	0.04	0.25
(1,1464)	1:836:A:LYS:H	1:836:A:LYS:HD3	3	0.24	0.04	0.25
(1,1211)	1:735:A:THR:H	1:798:A:GLY:HA2	3	0.23	0.14	0.13
(1,1211)	1:735:A:THR:H	1:798:A:GLY:HA3	3	0.23	0.14	0.13
(1,1363)	1:788:A:PRO:HG2	1:811:A:GLY:H	3	0.23	0.09	0.29
(1,1363)	1:788:A:PRO:HG3	1:811:A:GLY:H	3	0.23	0.09	0.29
(1,567)	1:732:A:ILE:HA	1:732:A:ILE:HG13	3	0.22	0.15	0.12
(1,597)	1:816:A:LYS:H	1:816:A:LYS:HG2	3	0.22	0.14	0.13
(1,928)	1:845:A:LEU:H	1:845:A:LEU:HB2	3	0.2	0.03	0.2
(1,452)	1:822:A:GLN:H	1:822:A:GLN:HB2	3	0.2	0.02	0.2
(1,1426)	1:816:A:LYS:H	1:816:A:LYS:HE2	3	0.2	0.05	0.19
(1,1426)	1:816:A:LYS:H	1:816:A:LYS:HE3	3	0.2	0.05	0.19
(1,1351)	1:786:A:VAL:HG11	1:790:A:VAL:HB	3	0.19	0.06	0.2
(1,1351)	1:786:A:VAL:HG12	1:790:A:VAL:HB	3	0.19	0.06	0.2
(1,1351)	1:786:A:VAL:HG13	1:790:A:VAL:HB	3	0.19	0.06	0.2
(1,1351)	1:786:A:VAL:HG21	1:790:A:VAL:HB	3	0.19	0.06	0.2
(1,1351)	1:786:A:VAL:HG22	1:790:A:VAL:HB	3	0.19	0.06	0.2
(1,1351)	1:786:A:VAL:HG23	1:790:A:VAL:HB	3	0.19	0.06	0.2
(1,1035)	1:833:A:VAL:H	1:836:A:LYS:H	3	0.18	0.04	0.19
(1,812)	1:843:A:TYR:H	1:844:A:TYR:H	3	0.15	0.03	0.17
(1,383)	1:778:A:VAL:HG21	1:779:A:LYS:H	3	0.15	0.03	0.16
(1,383)	1:778:A:VAL:HG22	1:779:A:LYS:H	3	0.15	0.03	0.16
(1,383)	1:778:A:VAL:HG23	1:779:A:LYS:H	3	0.15	0.03	0.16
(1,616)	1:725:A:LYS:HA	1:725:A:LYS:HB3	3	0.15	0.02	0.14
(1,339)	1:811:A:GLY:HA3	1:812:A:ASP:H	3	0.15	0.03	0.16
(1,1200)	1:725:A:LYS:HB2	1:726:A:GLY:H	3	0.14	0.02	0.13
(1,1200)	1:725:A:LYS:HB3	1:726:A:GLY:H	3	0.14	0.02	0.13
(1,93)	1:732:A:ILE:HA	1:732:A:ILE:HB	3	0.14	0.0	0.14
(1,531)	1:724:A:THR:H	1:724:A:THR:HG21	3	0.12	0.0	0.12
(1,531)	1:724:A:THR:H	1:724:A:THR:HG22	3	0.12	0.0	0.12
(1,531)	1:724:A:THR:H	1:724:A:THR:HG23	3	0.12	0.0	0.12
(1,169)	1:728:A:THR:H	1:728:A:THR:HB	3	0.12	0.02	0.11
(1,123)	1:778:A:VAL:HA	1:778:A:VAL:HG11	3	0.11	0.0	0.11
(1,123)	1:778:A:VAL:HA	1:778:A:VAL:HG12	3	0.11	0.0	0.11
(1,123)	1:778:A:VAL:HA	1:778:A:VAL:HG13	3	0.11	0.0	0.11
(1,496)	1:708:A:ALA:H	1:708:A:ALA:HB1	3	0.1	0.0	0.1
(1,496)	1:708:A:ALA:H	1:708:A:ALA:HB2	3	0.1	0.0	0.1
(1,496)	1:708:A:ALA:H	1:708:A:ALA:HB3	3	0.1	0.0	0.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,331)	1:752:A:VAL:HG21	1:762:A:GLY:H	2	1.26	0.34	1.26
(1,331)	1:752:A:VAL:HG22	1:762:A:GLY:H	2	1.26	0.34	1.26
(1,331)	1:752:A:VAL:HG23	1:762:A:GLY:H	2	1.26	0.34	1.26
(1,1128)	1:707:A:VAL:HG11	1:772:A:ASN:HB2	2	1.23	0.29	1.23
(1,1128)	1:707:A:VAL:HG11	1:772:A:ASN:HB3	2	1.23	0.29	1.23
(1,1128)	1:707:A:VAL:HG12	1:772:A:ASN:HB2	2	1.23	0.29	1.23
(1,1128)	1:707:A:VAL:HG12	1:772:A:ASN:HB3	2	1.23	0.29	1.23
(1,1128)	1:707:A:VAL:HG13	1:772:A:ASN:HB2	2	1.23	0.29	1.23
(1,1128)	1:707:A:VAL:HG13	1:772:A:ASN:HB3	2	1.23	0.29	1.23
(1,1128)	1:707:A:VAL:HG21	1:772:A:ASN:HB2	2	1.23	0.29	1.23
(1,1128)	1:707:A:VAL:HG21	1:772:A:ASN:HB3	2	1.23	0.29	1.23
(1,1128)	1:707:A:VAL:HG22	1:772:A:ASN:HB2	2	1.23	0.29	1.23
(1,1128)	1:707:A:VAL:HG22	1:772:A:ASN:HB3	2	1.23	0.29	1.23
(1,1128)	1:707:A:VAL:HG23	1:772:A:ASN:HB2	2	1.23	0.29	1.23
(1,1128)	1:707:A:VAL:HG23	1:772:A:ASN:HB3	2	1.23	0.29	1.23
(1,253)	1:713:A:LYS:HA	1:713:A:LYS:HD3	2	1.2	0.07	1.2
(1,478)	1:727:A:LYS:HA	1:727:A:LYS:HD2	2	1.19	0.01	1.19
(1,346)	1:707:A:VAL:HB	1:735:A:THR:HG21	2	1.1	0.18	1.1
(1,346)	1:707:A:VAL:HB	1:735:A:THR:HG22	2	1.1	0.18	1.1
(1,346)	1:707:A:VAL:HB	1:735:A:THR:HG23	2	1.1	0.18	1.1
(1,558)	1:737:A:SER:H	1:752:A:VAL:HB	2	0.97	0.25	0.97
(1,140)	1:738:A:VAL:HA	1:752:A:VAL:HA	2	0.94	0.22	0.94
(1,41)	1:754:A:ASP:HB3	1:759:A:THR:HB	2	0.92	0.15	0.92
(1,154)	1:810:A:LYS:H	1:810:A:LYS:HE3	2	0.9	0.04	0.9
(1,1204)	1:727:A:LYS:HD2	1:728:A:THR:H	2	0.8	0.13	0.8
(1,1204)	1:727:A:LYS:HD3	1:728:A:THR:H	2	0.8	0.13	0.8
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG11	2	0.78	0.08	0.78
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG12	2	0.78	0.08	0.78
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG13	2	0.78	0.08	0.78
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG21	2	0.78	0.08	0.78
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG22	2	0.78	0.08	0.78
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG23	2	0.78	0.08	0.78
(1,322)	1:727:A:LYS:HA	1:727:A:LYS:HD3	2	0.78	0.07	0.78
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG11	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG12	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG13	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG21	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG22	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG23	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG11	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG12	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG13	2	0.75	0.1	0.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG21	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG22	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG23	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG11	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG12	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG13	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG21	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG22	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG23	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG11	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG12	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG13	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG21	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG22	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG23	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG11	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG12	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG13	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG21	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG22	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG23	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG11	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG12	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG13	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG21	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG22	2	0.75	0.1	0.75
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG23	2	0.75	0.1	0.75
(1,1078)	1:839:A:TRP:H	1:839:A:TRP:HD1	2	0.68	0.55	0.68
(1,94)	1:710:A:ILE:H	1:732:A:ILE:HA	2	0.66	0.22	0.66
(1,1280)	1:754:A:ASP:HB2	1:759:A:THR:H	2	0.63	0.02	0.63
(1,1280)	1:754:A:ASP:HB3	1:759:A:THR:H	2	0.63	0.02	0.63
(1,1065)	1:761:A:TYR:HA	1:761:A:TYR:HE1	2	0.61	0.3	0.61
(1,1065)	1:761:A:TYR:HA	1:761:A:TYR:HE2	2	0.61	0.3	0.61
(1,135)	1:740:A:LYS:H	1:740:A:LYS:HD2	2	0.59	0.03	0.59
(1,1007)	1:810:A:LYS:H	1:810:A:LYS:HE2	2	0.52	0.22	0.52
(1,105)	1:780:A:ILE:H	1:780:A:ILE:HD11	2	0.52	0.04	0.52
(1,105)	1:780:A:ILE:H	1:780:A:ILE:HD12	2	0.52	0.04	0.52
(1,105)	1:780:A:ILE:H	1:780:A:ILE:HD13	2	0.52	0.04	0.52
(1,1131)	1:708:A:ALA:H	1:736:A:LEU:HB2	2	0.5	0.08	0.5
(1,1131)	1:708:A:ALA:H	1:736:A:LEU:HB3	2	0.5	0.08	0.5
(1,333)	1:759:A:THR:HA	1:759:A:THR:HG21	2	0.48	0.38	0.48
(1,333)	1:759:A:THR:HA	1:759:A:THR:HG22	2	0.48	0.38	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,333)	1:759:A:THR:HA	1:759:A:THR:HG23	2	0.48	0.38	0.48
(1,540)	1:707:A:VAL:HA	1:707:A:VAL:HB	2	0.48	0.01	0.48
(1,79)	1:701:A:VAL:HA	1:742:A:ALA:HA	2	0.48	0.37	0.48
(1,189)	1:721:A:VAL:HA	1:721:A:VAL:HB	2	0.48	0.0	0.48
(1,542)	1:704:A:ASN:HB3	1:741:A:ALA:HB1	2	0.48	0.02	0.48
(1,542)	1:704:A:ASN:HB3	1:741:A:ALA:HB2	2	0.48	0.02	0.48
(1,542)	1:704:A:ASN:HB3	1:741:A:ALA:HB3	2	0.48	0.02	0.48
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG11	2	0.48	0.16	0.48
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG12	2	0.48	0.16	0.48
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG13	2	0.48	0.16	0.48
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG21	2	0.48	0.16	0.48
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG22	2	0.48	0.16	0.48
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG23	2	0.48	0.16	0.48
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG11	2	0.47	0.21	0.47
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG12	2	0.47	0.21	0.47
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG13	2	0.47	0.21	0.47
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG21	2	0.47	0.21	0.47
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG22	2	0.47	0.21	0.47
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG23	2	0.47	0.21	0.47
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG11	2	0.47	0.21	0.47
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG12	2	0.47	0.21	0.47
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG13	2	0.47	0.21	0.47
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG21	2	0.47	0.21	0.47
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG22	2	0.47	0.21	0.47
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG23	2	0.47	0.21	0.47
(1,882)	1:739:A:THR:H	1:751:A:LEU:H	2	0.46	0.1	0.46
(1,984)	1:751:A:LEU:HA	1:762:A:GLY:H	2	0.44	0.02	0.44
(1,405)	1:735:A:THR:H	1:799:A:THR:HG21	2	0.44	0.33	0.44
(1,405)	1:735:A:THR:H	1:799:A:THR:HG22	2	0.44	0.33	0.44
(1,405)	1:735:A:THR:H	1:799:A:THR:HG23	2	0.44	0.33	0.44
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG11	2	0.43	0.19	0.43
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG12	2	0.43	0.19	0.43
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG13	2	0.43	0.19	0.43
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG21	2	0.43	0.19	0.43
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG22	2	0.43	0.19	0.43
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG23	2	0.43	0.19	0.43
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG11	2	0.43	0.21	0.43
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG12	2	0.43	0.21	0.43
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG13	2	0.43	0.21	0.43
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG21	2	0.43	0.21	0.43
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG22	2	0.43	0.21	0.43
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG23	2	0.43	0.21	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,785)	1:708:A:ALA:H	1:736:A:LEU:H	2	0.4	0.16	0.4
(1,1062)	1:720:A:THR:HA	1:763:A:TRP:HD1	2	0.4	0.24	0.4
(1,955)	1:727:A:LYS:H	1:727:A:LYS:HD3	2	0.4	0.16	0.4
(1,816)	1:721:A:VAL:H	1:721:A:VAL:HG21	2	0.4	0.01	0.4
(1,816)	1:721:A:VAL:H	1:721:A:VAL:HG22	2	0.4	0.01	0.4
(1,816)	1:721:A:VAL:H	1:721:A:VAL:HG23	2	0.4	0.01	0.4
(1,777)	1:713:A:LYS:H	1:713:A:LYS:HG2	2	0.39	0.02	0.39
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD11	2	0.38	0.06	0.38
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD12	2	0.38	0.06	0.38
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD13	2	0.38	0.06	0.38
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD21	2	0.38	0.06	0.38
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD22	2	0.38	0.06	0.38
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD23	2	0.38	0.06	0.38
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD11	2	0.38	0.06	0.38
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD12	2	0.38	0.06	0.38
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD13	2	0.38	0.06	0.38
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD21	2	0.38	0.06	0.38
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD22	2	0.38	0.06	0.38
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD23	2	0.38	0.06	0.38
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD11	2	0.38	0.06	0.38
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD12	2	0.38	0.06	0.38
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD13	2	0.38	0.06	0.38
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD21	2	0.38	0.06	0.38
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD22	2	0.38	0.06	0.38
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD23	2	0.38	0.06	0.38
(1,396)	1:721:A:VAL:H	1:721:A:VAL:HG11	2	0.38	0.02	0.38
(1,396)	1:721:A:VAL:H	1:721:A:VAL:HG12	2	0.38	0.02	0.38
(1,396)	1:721:A:VAL:H	1:721:A:VAL:HG13	2	0.38	0.02	0.38
(1,256)	1:810:A:LYS:HB3	1:810:A:LYS:HG2	2	0.37	0.02	0.37
(1,945)	1:799:A:THR:H	1:802:A:GLN:H	2	0.37	0.04	0.37
(1,1069)	1:718:A:TYR:HD1	1:764:A:VAL:HA	2	0.37	0.18	0.37
(1,1069)	1:718:A:TYR:HD2	1:764:A:VAL:HA	2	0.37	0.18	0.37
(1,1278)	1:754:A:ASP:HB2	1:757:A:THR:H	2	0.36	0.2	0.36
(1,1278)	1:754:A:ASP:HB3	1:757:A:THR:H	2	0.36	0.2	0.36
(1,1417)	1:804:A:ALA:HB1	1:838:A:GLY:HA2	2	0.36	0.05	0.36
(1,1417)	1:804:A:ALA:HB1	1:838:A:GLY:HA3	2	0.36	0.05	0.36
(1,1417)	1:804:A:ALA:HB2	1:838:A:GLY:HA2	2	0.36	0.05	0.36
(1,1417)	1:804:A:ALA:HB2	1:838:A:GLY:HA3	2	0.36	0.05	0.36
(1,1417)	1:804:A:ALA:HB3	1:838:A:GLY:HA2	2	0.36	0.05	0.36
(1,1417)	1:804:A:ALA:HB3	1:838:A:GLY:HA3	2	0.36	0.05	0.36
(1,28)	1:765:A:LYS:HA	1:765:A:LYS:HG2	2	0.35	0.14	0.35
(1,613)	1:817:A:ALA:HA	1:831:A:GLY:HA2	2	0.35	0.15	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1214)	1:736:A:LEU:HA	1:755:A:TYR:HB2	2	0.34	0.24	0.34
(1,1214)	1:736:A:LEU:HA	1:755:A:TYR:HB3	2	0.34	0.24	0.34
(1,912)	1:836:A:LYS:H	1:836:A:LYS:HG2	2	0.32	0.08	0.32
(1,1467)	1:836:A:LYS:HB2	1:837:A:SER:H	2	0.32	0.06	0.32
(1,1467)	1:836:A:LYS:HB3	1:837:A:SER:H	2	0.32	0.06	0.32
(1,325)	1:701:A:VAL:HA	1:742:A:ALA:HB1	2	0.31	0.08	0.31
(1,325)	1:701:A:VAL:HA	1:742:A:ALA:HB2	2	0.31	0.08	0.31
(1,325)	1:701:A:VAL:HA	1:742:A:ALA:HB3	2	0.31	0.08	0.31
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG11	2	0.31	0.2	0.31
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG12	2	0.31	0.2	0.31
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG13	2	0.31	0.2	0.31
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG21	2	0.31	0.2	0.31
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG22	2	0.31	0.2	0.31
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG23	2	0.31	0.2	0.31
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG11	2	0.31	0.2	0.31
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG12	2	0.31	0.2	0.31
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG13	2	0.31	0.2	0.31
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG21	2	0.31	0.2	0.31
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG22	2	0.31	0.2	0.31
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG23	2	0.31	0.2	0.31
(1,1159)	1:717:A:LEU:H	1:727:A:LYS:HB2	2	0.31	0.11	0.31
(1,1159)	1:717:A:LEU:H	1:727:A:LYS:HB3	2	0.31	0.11	0.31
(1,772)	1:792:A:LEU:HA	1:839:A:TRP:H	2	0.3	0.05	0.3
(1,833)	1:707:A:VAL:H	1:707:A:VAL:HG11	2	0.3	0.02	0.3
(1,833)	1:707:A:VAL:H	1:707:A:VAL:HG12	2	0.3	0.02	0.3
(1,833)	1:707:A:VAL:H	1:707:A:VAL:HG13	2	0.3	0.02	0.3
(1,929)	1:709:A:GLN:H	1:769:A:VAL:HB	2	0.29	0.02	0.29
(1,624)	1:713:A:LYS:HB3	1:713:A:LYS:HE3	2	0.28	0.05	0.28
(1,784)	1:707:A:VAL:HB	1:708:A:ALA:H	2	0.28	0.1	0.28
(1,1394)	1:793:A:HIS:HB2	1:839:A:TRP:HB2	2	0.28	0.1	0.28
(1,1394)	1:793:A:HIS:HB2	1:839:A:TRP:HB3	2	0.28	0.1	0.28
(1,1394)	1:793:A:HIS:HB3	1:839:A:TRP:HB2	2	0.28	0.1	0.28
(1,1394)	1:793:A:HIS:HB3	1:839:A:TRP:HB3	2	0.28	0.1	0.28
(1,1299)	1:765:A:LYS:HG2	1:768:A:GLU:H	2	0.27	0.01	0.27
(1,1299)	1:765:A:LYS:HG3	1:768:A:GLU:H	2	0.27	0.01	0.27
(1,1388)	1:792:A:LEU:HD11	1:833:A:VAL:H	2	0.27	0.12	0.27
(1,1388)	1:792:A:LEU:HD12	1:833:A:VAL:H	2	0.27	0.12	0.27
(1,1388)	1:792:A:LEU:HD13	1:833:A:VAL:H	2	0.27	0.12	0.27
(1,1388)	1:792:A:LEU:HD21	1:833:A:VAL:H	2	0.27	0.12	0.27
(1,1388)	1:792:A:LEU:HD22	1:833:A:VAL:H	2	0.27	0.12	0.27
(1,1388)	1:792:A:LEU:HD23	1:833:A:VAL:H	2	0.27	0.12	0.27
(1,874)	1:794:A:THR:H	1:802:A:GLN:HA	2	0.26	0.14	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1238)	1:742:A:ALA:HB1	1:749:A:PHE:HB2	2	0.26	0.01	0.26
(1,1238)	1:742:A:ALA:HB1	1:749:A:PHE:HB3	2	0.26	0.01	0.26
(1,1238)	1:742:A:ALA:HB2	1:749:A:PHE:HB2	2	0.26	0.01	0.26
(1,1238)	1:742:A:ALA:HB2	1:749:A:PHE:HB3	2	0.26	0.01	0.26
(1,1238)	1:742:A:ALA:HB3	1:749:A:PHE:HB2	2	0.26	0.01	0.26
(1,1238)	1:742:A:ALA:HB3	1:749:A:PHE:HB3	2	0.26	0.01	0.26
(1,617)	1:727:A:LYS:HA	1:727:A:LYS:HG2	2	0.26	0.14	0.26
(1,561)	1:721:A:VAL:HA	1:721:A:VAL:HG11	2	0.24	0.02	0.24
(1,561)	1:721:A:VAL:HA	1:721:A:VAL:HG12	2	0.24	0.02	0.24
(1,561)	1:721:A:VAL:HA	1:721:A:VAL:HG13	2	0.24	0.02	0.24
(1,458)	1:744:A:LEU:HA	1:744:A:LEU:HG	2	0.23	0.09	0.23
(1,228)	1:751:A:LEU:HA	1:763:A:TRP:HA	2	0.22	0.08	0.22
(1,976)	1:702:A:THR:H	1:743:A:THR:H	2	0.22	0.04	0.22
(1,363)	1:832:A:THR:HA	1:837:A:SER:HA	2	0.21	0.04	0.21
(1,516)	1:740:A:LYS:HB2	1:740:A:LYS:HD3	2	0.21	0.01	0.21
(1,425)	1:734:A:ARG:HA	1:734:A:ARG:HG2	2	0.21	0.09	0.21
(1,637)	1:698:A:GLN:HB2	1:698:A:GLN:HG3	2	0.2	0.0	0.2
(1,1049)	1:708:A:ALA:HB1	1:771:A:TYR:HD1	2	0.2	0.03	0.2
(1,1049)	1:708:A:ALA:HB1	1:771:A:TYR:HD2	2	0.2	0.03	0.2
(1,1049)	1:708:A:ALA:HB2	1:771:A:TYR:HD1	2	0.2	0.03	0.2
(1,1049)	1:708:A:ALA:HB2	1:771:A:TYR:HD2	2	0.2	0.03	0.2
(1,1049)	1:708:A:ALA:HB3	1:771:A:TYR:HD1	2	0.2	0.03	0.2
(1,1049)	1:708:A:ALA:HB3	1:771:A:TYR:HD2	2	0.2	0.03	0.2
(1,1443)	1:821:A:GLN:HG2	1:822:A:GLN:H	2	0.2	0.02	0.2
(1,1443)	1:821:A:GLN:HG3	1:822:A:GLN:H	2	0.2	0.02	0.2
(1,402)	1:755:A:TYR:HA	1:755:A:TYR:HB2	2	0.2	0.01	0.2
(1,705)	1:827:A:THR:HB	1:842:A:LYS:H	2	0.2	0.09	0.2
(1,369)	1:765:A:LYS:HB2	1:765:A:LYS:HE3	2	0.19	0.03	0.19
(1,890)	1:757:A:THR:H	1:757:A:THR:HG21	2	0.19	0.02	0.19
(1,890)	1:757:A:THR:H	1:757:A:THR:HG22	2	0.19	0.02	0.19
(1,890)	1:757:A:THR:H	1:757:A:THR:HG23	2	0.19	0.02	0.19
(1,752)	1:699:A:LEU:HG	1:700:A:THR:H	2	0.18	0.0	0.18
(1,136)	1:740:A:LYS:HB2	1:740:A:LYS:HD2	2	0.16	0.01	0.16
(1,400)	1:755:A:TYR:HA	1:755:A:TYR:HD1	2	0.15	0.01	0.15
(1,400)	1:755:A:TYR:HA	1:755:A:TYR:HD2	2	0.15	0.01	0.15
(1,688)	1:829:A:LEU:H	1:829:A:LEU:HD11	2	0.15	0.04	0.15
(1,688)	1:829:A:LEU:H	1:829:A:LEU:HD12	2	0.15	0.04	0.15
(1,688)	1:829:A:LEU:H	1:829:A:LEU:HD13	2	0.15	0.04	0.15
(1,569)	1:757:A:THR:HA	1:757:A:THR:HB	2	0.15	0.0	0.15
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD11	2	0.13	0.02	0.13
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD12	2	0.13	0.02	0.13
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD13	2	0.13	0.02	0.13

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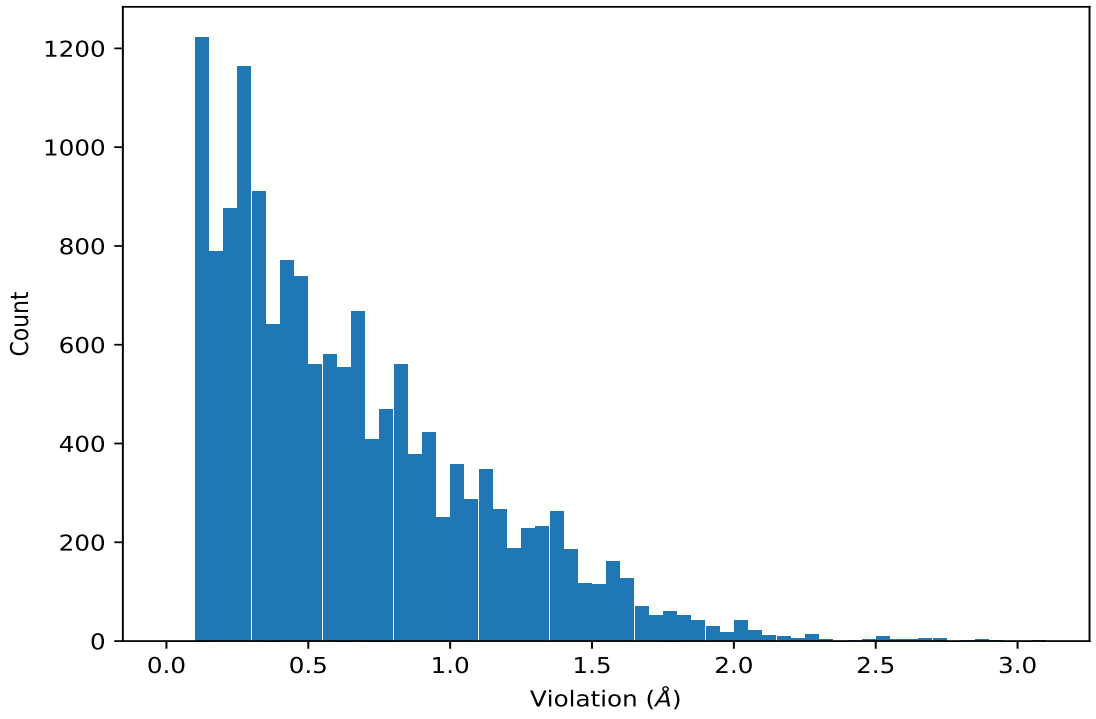
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD21	2	0.13	0.02	0.13
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD22	2	0.13	0.02	0.13
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD23	2	0.13	0.02	0.13
(1,143)	1:740:A:LYS:HA	1:740:A:LYS:HG3	2	0.12	0.01	0.12
(1,143)	1:740:A:LYS:HA	1:740:A:LYS:HG2	2	0.12	0.01	0.12
(1,862)	1:827:A:THR:HG21	1:828:A:TYR:H	2	0.11	0.0	0.11
(1,862)	1:827:A:THR:HG22	1:828:A:TYR:H	2	0.11	0.0	0.11
(1,862)	1:827:A:THR:HG23	1:828:A:TYR:H	2	0.11	0.0	0.11

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

9.5 All violated distance restraints

9.5.1 Histogram : Distribution of distance violations

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



9.5.2 Table : All distance violations

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Rows with same key represent combinatorial or ambiguous restraints and are counted as a single restraint.

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	13	3.06
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	7	2.94
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	2	2.92
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	14	2.9
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	3	2.88
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	19	2.85
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	15	2.82
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	4	2.74
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	5	2.73
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	12	2.72
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	17	2.72
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	6	2.71
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	9	2.69
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	11	2.66
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	16	2.66
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	18	2.66
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	5	2.66
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	8	2.65
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	10	2.64
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	7	2.63
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	20	2.63
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	19	2.59
(1,827)	1:779:A:LYS:HA	1:781:A:ASN:H	1	2.59
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	8	2.57
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB2	9	2.53
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB3	9	2.53
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB2	9	2.53
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB3	9	2.53
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	4	2.53
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	7	2.53
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	15	2.53
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	17	2.52
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	20	2.51
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	10	2.5
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB2	17	2.48
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB3	17	2.48
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	16	2.48
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	18	2.48
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	19	2.43
(1,1079)	1:794:A:THR:HA	1:839:A:TRP:HD1	16	2.42
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	16	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB2	14	2.33
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB3	14	2.33
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	5	2.33
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	18	2.3
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	11	2.3
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	13	2.29
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	20	2.29
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	8	2.28
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	3	2.28
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	7	2.28
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	6	2.27
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG11	5	2.25
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG12	5	2.25
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG13	5	2.25
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG21	5	2.25
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG22	5	2.25
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG23	5	2.25
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG11	20	2.22
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG12	20	2.22
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG13	20	2.22
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG21	20	2.22
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG22	20	2.22
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG23	20	2.22
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	10	2.19
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	12	2.19
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	6	2.19
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	19	2.18
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	19	2.18
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	19	2.18
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	9	2.16
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	12	2.15
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	13	2.15
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	20	2.15
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB2	9	2.14
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB3	9	2.14
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	14	2.13
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	14	2.13
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	14	2.13
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	1	2.11
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	1	2.11
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	1	2.11
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	2	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	3	2.1
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	19	2.1
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	12	2.09
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	12	2.09
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	12	2.09
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	11	2.09
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	18	2.09
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	14	2.09
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	14	2.09
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	14	2.09
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	11	2.08
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	4	2.08
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	4	2.08
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	4	2.08
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	13	2.08
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	13	2.08
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	13	2.08
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB2	5	2.07
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB3	5	2.07
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	5	2.06
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	13	2.06
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	13	2.06
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	13	2.06
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	8	2.05
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	9	2.05
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	14	2.05
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	15	2.04
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB2	16	2.02
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB3	16	2.02
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	7	2.02
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	7	2.02
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	7	2.02
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	4	2.02
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	7	2.02
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	7	2.02
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	7	2.02
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	17	2.02
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	17	2.02
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	17	2.02
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	20	2.01
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB2	20	2.0
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB3	20	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB2	18	2.0
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB3	18	2.0
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG21	13	2.0
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG22	13	2.0
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG23	13	2.0
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG21	13	2.0
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG22	13	2.0
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG23	13	2.0
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG21	13	2.0
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG22	13	2.0
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG23	13	2.0
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG21	13	2.0
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG22	13	2.0
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG23	13	2.0
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG21	13	2.0
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG22	13	2.0
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG23	13	2.0
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG21	13	2.0
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG22	13	2.0
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG23	13	2.0
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	15	2.0
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	16	2.0
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB2	8	1.99
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB3	8	1.99
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	1	1.99
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB2	1	1.98
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB3	1	1.98
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB2	6	1.97
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB3	6	1.97
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	2	1.97
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	18	1.97
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	4	1.97
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	7	1.97
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	3	1.96
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	3	1.96
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	3	1.96
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	15	1.96
(1,274)	1:754:A:ASP:HB2	1:759:A:THR:HB	14	1.96
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	19	1.96
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	1	1.95
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	1	1.95
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	1	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	1	1.95
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	1	1.95
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	1	1.95
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	16	1.95
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	8	1.95
(1,364)	1:823:A:ILE:HB	1:826:A:ALA:H	6	1.95
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	12	1.95
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB2	19	1.94
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB3	19	1.94
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	18	1.94
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	15	1.94
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	15	1.94
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	15	1.94
(1,274)	1:754:A:ASP:HB2	1:759:A:THR:HB	13	1.94
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	9	1.94
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	4	1.93
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	15	1.93
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	15	1.93
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	15	1.93
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	16	1.93
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	16	1.93
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	16	1.93
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	10	1.92
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	16	1.91
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	16	1.91
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	16	1.91
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	15	1.91
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	11	1.9
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	11	1.9
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	11	1.9
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	11	1.9
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	11	1.9
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	11	1.9
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	20	1.9
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	20	1.9
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	20	1.9
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	20	1.9
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	20	1.9
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	20	1.9
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	20	1.9
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	10	1.89
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	10	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	10	1.89
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	10	1.89
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	10	1.89
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	10	1.89
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	11	1.89
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	1	1.89
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	17	1.88
(1,584)	1:796:A:PRO:HA	1:839:A:TRP:HB2	5	1.88
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	2	1.88
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	2	1.88
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	2	1.88
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	9	1.87
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	9	1.87
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	9	1.87
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	13	1.87
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	16	1.86
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	16	1.86
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	16	1.86
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	16	1.86
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	16	1.86
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	16	1.86
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	9	1.86
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB2	4	1.85
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB3	4	1.85
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	2	1.85
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	2	1.85
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	8	1.85
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	7	1.84
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	7	1.84
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	7	1.84
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	7	1.84
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	7	1.84
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	7	1.84
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	9	1.84
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	9	1.84
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	14	1.84
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	14	1.84
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	15	1.84
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	15	1.84
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	17	1.84
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	14	1.84
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	3	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	3	1.83
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	4	1.83
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	4	1.83
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	19	1.83
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	19	1.83
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	20	1.83
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	20	1.83
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB2	15	1.82
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB3	15	1.82
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	4	1.82
(1,731)	1:714:A:ASN:HA	1:716:A:GLY:H	6	1.82
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	13	1.82
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	10	1.81
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	10	1.81
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	10	1.81
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	10	1.81
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	6	1.81
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	6	1.81
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	10	1.81
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	10	1.81
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	11	1.81
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	11	1.81
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	16	1.81
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	16	1.81
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	8	1.81
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	20	1.81
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	18	1.81
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	2	1.81
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	3	1.81
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	4	1.81
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	4	1.81
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	18	1.8
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	18	1.8
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	18	1.8
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	18	1.8
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	18	1.8
(1,63)	1:796:A:PRO:HA	1:839:A:TRP:HB3	5	1.8
(1,1136)	1:709:A:GLN:HB2	1:733:A:GLN:HA	6	1.79
(1,1136)	1:709:A:GLN:HB3	1:733:A:GLN:HA	6	1.79
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	7	1.79
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	7	1.79
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	2	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	18	1.79
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	5	1.78
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	5	1.78
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	12	1.78
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	12	1.78
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	1	1.78
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	8	1.78
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	8	1.77
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	8	1.77
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	13	1.77
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	8	1.77
(1,416)	1:716:A:GLY:HA3	1:728:A:THR:HA	7	1.77
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	3	1.77
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	7	1.77
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB2	7	1.76
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB3	7	1.76
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG21	7	1.76
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG22	7	1.76
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG23	7	1.76
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG21	7	1.76
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG22	7	1.76
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG23	7	1.76
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG21	7	1.76
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG22	7	1.76
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG23	7	1.76
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG21	7	1.76
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG22	7	1.76
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG23	7	1.76
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG21	7	1.76
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG22	7	1.76
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG23	7	1.76
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG21	7	1.76
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG22	7	1.76
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG23	7	1.76
(1,731)	1:714:A:ASN:HA	1:716:A:GLY:H	17	1.76
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	11	1.76
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	15	1.75
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	15	1.75
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	15	1.75
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	15	1.75
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	15	1.75
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	15	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	18	1.75
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	18	1.75
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	18	1.75
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	18	1.75
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	18	1.75
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	18	1.75
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG11	18	1.75
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG12	18	1.75
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG13	18	1.75
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG21	18	1.75
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG22	18	1.75
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG23	18	1.75
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	16	1.75
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	20	1.75
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG21	3	1.74
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG22	3	1.74
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG23	3	1.74
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG21	3	1.74
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG22	3	1.74
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG23	3	1.74
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG21	3	1.74
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG22	3	1.74
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG23	3	1.74
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG21	3	1.74
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG22	3	1.74
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG23	3	1.74
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG21	3	1.74
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG22	3	1.74
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG23	3	1.74
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG21	3	1.74
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG22	3	1.74
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG23	3	1.74
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB2	18	1.74
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB3	18	1.74
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB2	18	1.74
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB3	18	1.74
(1,1177)	1:719:A:THR:H	1:723:A:ASP:HB2	13	1.74
(1,1177)	1:719:A:THR:H	1:723:A:ASP:HB3	13	1.74
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE1	13	1.74
(1,1081)	1:755:A:TYR:H	1:755:A:TYR:HE2	13	1.74
(1,364)	1:823:A:ILE:HB	1:826:A:ALA:H	13	1.74
(1,416)	1:716:A:GLY:HA3	1:728:A:THR:HA	12	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	11	1.73
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	19	1.73
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG21	10	1.72
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG22	10	1.72
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG23	10	1.72
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG21	10	1.72
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG22	10	1.72
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG23	10	1.72
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG11	6	1.71
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG12	6	1.71
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG13	6	1.71
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG21	6	1.71
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG22	6	1.71
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG23	6	1.71
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	14	1.71
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	14	1.71
(1,462)	1:712:A:ALA:HA	1:732:A:ILE:HB	19	1.71
(1,416)	1:716:A:GLY:HA3	1:728:A:THR:HA	13	1.71
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	11	1.71
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	11	1.71
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	11	1.71
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	6	1.71
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	14	1.71
(1,1397)	1:794:A:THR:H	1:802:A:GLN:HG2	5	1.7
(1,1397)	1:794:A:THR:H	1:802:A:GLN:HG3	5	1.7
(1,1177)	1:719:A:THR:H	1:723:A:ASP:HB2	1	1.7
(1,1177)	1:719:A:THR:H	1:723:A:ASP:HB3	1	1.7
(1,834)	1:780:A:ILE:HD11	1:819:A:LYS:H	18	1.7
(1,834)	1:780:A:ILE:HD12	1:819:A:LYS:H	18	1.7
(1,834)	1:780:A:ILE:HD13	1:819:A:LYS:H	18	1.7
(1,731)	1:714:A:ASN:HA	1:716:A:GLY:H	3	1.7
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	7	1.7
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	1	1.7
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	2	1.7
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	18	1.7
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	18	1.7
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	18	1.7
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	12	1.7
(1,92)	1:710:A:ILE:HB	1:732:A:ILE:HA	7	1.7
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	13	1.69
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	13	1.69
(1,1139)	1:709:A:GLN:HG2	1:770:A:ILE:HB	20	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1139)	1:709:A:GLN:HG3	1:770:A:ILE:HB	20	1.69
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	12	1.69
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	11	1.69
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	12	1.69
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	12	1.69
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	12	1.69
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	9	1.69
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	16	1.69
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	3	1.68
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	3	1.68
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	3	1.68
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	3	1.68
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	3	1.68
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	3	1.68
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	9	1.68
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	14	1.68
(1,418)	1:716:A:GLY:HA2	1:728:A:THR:HA	16	1.68
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB1	6	1.68
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB2	6	1.68
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB3	6	1.68
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	17	1.68
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	17	1.68
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	17	1.68
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	17	1.68
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	3	1.67
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	3	1.67
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	3	1.67
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	3	1.67
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	3	1.67
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	3	1.67
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	7	1.67
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	10	1.67
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	9	1.67
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	9	1.67
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	9	1.67
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	12	1.67
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	12	1.67
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	12	1.67
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	8	1.67
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	8	1.67
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	8	1.67
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	1	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	1	1.67
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	1	1.67
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	15	1.67
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	17	1.67
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	17	1.66
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	17	1.66
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	9	1.66
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	4	1.66
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	17	1.66
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG21	16	1.65
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG22	16	1.65
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG23	16	1.65
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG21	16	1.65
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG22	16	1.65
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG23	16	1.65
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG11	2	1.65
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG12	2	1.65
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG13	2	1.65
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG21	2	1.65
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG22	2	1.65
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG23	2	1.65
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB2	4	1.65
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB3	4	1.65
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB2	4	1.65
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB3	4	1.65
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB2	4	1.65
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB3	4	1.65
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB2	5	1.65
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB3	5	1.65
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB2	5	1.65
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB3	5	1.65
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB2	5	1.65
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB3	5	1.65
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	16	1.65
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	7	1.65
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	5	1.65
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	10	1.65
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	11	1.64
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	6	1.64
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	13	1.64
(1,462)	1:712:A:ALA:HA	1:732:A:ILE:HB	7	1.64
(1,286)	1:795:A:VAL:HA	1:839:A:TRP:HD1	15	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	14	1.64
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	14	1.64
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	14	1.64
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	10	1.63
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	12	1.63
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	17	1.63
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB2	1	1.62
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB3	1	1.62
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB2	1	1.62
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB3	1	1.62
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB2	1	1.62
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB3	1	1.62
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB2	8	1.62
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB3	8	1.62
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB2	8	1.62
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB3	8	1.62
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB2	8	1.62
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB3	8	1.62
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	10	1.62
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	10	1.62
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	10	1.62
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	10	1.62
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	20	1.62
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	20	1.62
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	20	1.62
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	20	1.62
(1,1166)	1:717:A:LEU:HD11	1:764:A:VAL:HB	16	1.62
(1,1166)	1:717:A:LEU:HD12	1:764:A:VAL:HB	16	1.62
(1,1166)	1:717:A:LEU:HD13	1:764:A:VAL:HB	16	1.62
(1,1166)	1:717:A:LEU:HD21	1:764:A:VAL:HB	16	1.62
(1,1166)	1:717:A:LEU:HD22	1:764:A:VAL:HB	16	1.62
(1,1166)	1:717:A:LEU:HD23	1:764:A:VAL:HB	16	1.62
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	5	1.62
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	1	1.62
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	1	1.62
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	1	1.62
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	5	1.62
(1,731)	1:714:A:ASN:HA	1:716:A:GLY:H	5	1.62
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	11	1.62
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	11	1.62
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	11	1.62
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	8	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	10	1.62
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	10	1.62
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	10	1.62
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	1	1.62
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	9	1.61
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	9	1.61
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	17	1.61
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	17	1.61
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	17	1.61
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	17	1.61
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	17	1.61
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	17	1.61
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	17	1.61
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	17	1.61
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	8	1.61
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	8	1.61
(1,834)	1:780:A:ILE:HD11	1:819:A:LYS:H	3	1.61
(1,834)	1:780:A:ILE:HD12	1:819:A:LYS:H	3	1.61
(1,834)	1:780:A:ILE:HD13	1:819:A:LYS:H	3	1.61
(1,731)	1:714:A:ASN:HA	1:716:A:GLY:H	11	1.61
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	1	1.61
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	1	1.61
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	1	1.61
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB1	1	1.61
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB2	1	1.61
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB3	1	1.61
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	12	1.61
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	12	1.61
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	12	1.61
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	15	1.61
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	15	1.61
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	15	1.61
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	16	1.6
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	16	1.6
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	16	1.6
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	16	1.6
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	20	1.6
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	6	1.6
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	19	1.6
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	6	1.6
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	2	1.6
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	2	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	2	1.6
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	20	1.6
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	20	1.6
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	20	1.6
(1,69)	1:709:A:GLN:HA	1:736:A:LEU:HG	9	1.6
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	13	1.6
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	13	1.6
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	13	1.6
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	8	1.6
(1,1410)	1:799:A:THR:H	1:802:A:GLN:HG2	5	1.59
(1,1410)	1:799:A:THR:H	1:802:A:GLN:HG3	5	1.59
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG11	10	1.59
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG12	10	1.59
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG13	10	1.59
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG21	10	1.59
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG22	10	1.59
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG23	10	1.59
(1,1150)	1:714:A:ASN:HB2	1:716:A:GLY:H	5	1.59
(1,1150)	1:714:A:ASN:HB3	1:716:A:GLY:H	5	1.59
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	7	1.59
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	7	1.59
(1,936)	1:709:A:GLN:HA	1:734:A:ARG:H	18	1.59
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	3	1.59
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	3	1.59
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	2	1.59
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	2	1.59
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	2	1.59
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	12	1.59
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	15	1.59
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	16	1.59
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	11	1.59
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	11	1.59
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	11	1.59
(1,331)	1:752:A:VAL:HG21	1:762:A:GLY:H	18	1.59
(1,331)	1:752:A:VAL:HG22	1:762:A:GLY:H	18	1.59
(1,331)	1:752:A:VAL:HG23	1:762:A:GLY:H	18	1.59
(1,279)	1:820:A:GLN:HB2	1:829:A:LEU:HG	19	1.59
(1,220)	1:749:A:PHE:HA	1:749:A:PHE:HE1	13	1.59
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG21	2	1.58
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG22	2	1.58
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG23	2	1.58
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG21	2	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG22	2	1.58
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG23	2	1.58
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB2	14	1.58
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB3	14	1.58
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB2	14	1.58
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB3	14	1.58
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	16	1.58
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	16	1.58
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	6	1.58
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	6	1.58
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	6	1.58
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	6	1.58
(1,1177)	1:719:A:THR:H	1:723:A:ASP:HB2	7	1.58
(1,1177)	1:719:A:THR:H	1:723:A:ASP:HB3	7	1.58
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	18	1.58
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	18	1.58
(1,745)	1:823:A:ILE:H	1:826:A:ALA:H	6	1.58
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	12	1.58
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	5	1.58
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	5	1.58
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	5	1.58
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	13	1.58
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	13	1.58
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	13	1.58
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	6	1.57
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	6	1.57
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	6	1.57
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	6	1.57
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	6	1.57
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	6	1.57
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB2	11	1.57
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB3	11	1.57
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB2	11	1.57
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB3	11	1.57
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB2	11	1.57
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB3	11	1.57
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	18	1.57
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	18	1.57
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	20	1.57
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	20	1.57
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	20	1.57
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	20	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	20	1.57
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	20	1.57
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	17	1.57
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	9	1.57
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	4	1.57
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	6	1.57
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	4	1.57
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	19	1.57
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	19	1.57
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	19	1.57
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	14	1.57
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	4	1.57
(1,364)	1:823:A:ILE:HB	1:826:A:ALA:H	1	1.57
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	10	1.56
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	10	1.56
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	10	1.56
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	10	1.56
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	10	1.56
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	10	1.56
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	14	1.56
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	14	1.56
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	14	1.56
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	14	1.56
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	14	1.56
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	14	1.56
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB2	10	1.56
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB3	10	1.56
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB2	10	1.56
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB3	10	1.56
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB2	10	1.56
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB3	10	1.56
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	12	1.56
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	12	1.56
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	15	1.56
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	20	1.56
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	2	1.56
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	16	1.56
(1,667)	1:773:A:THR:H	1:823:A:ILE:HB	9	1.56
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	13	1.56
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	17	1.56
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	11	1.56
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	3	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	3	1.56
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	3	1.56
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	18	1.56
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	18	1.56
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	18	1.56
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	5	1.56
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	5	1.56
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	5	1.56
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	13	1.55
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	13	1.55
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	13	1.55
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	13	1.55
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	13	1.55
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	13	1.55
(1,1440)	1:820:A:GLN:HB2	1:828:A:TYR:H	2	1.55
(1,1440)	1:820:A:GLN:HB3	1:828:A:TYR:H	2	1.55
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG11	6	1.55
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG12	6	1.55
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG13	6	1.55
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG21	6	1.55
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG22	6	1.55
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG23	6	1.55
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG11	6	1.55
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG12	6	1.55
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG13	6	1.55
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG21	6	1.55
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG22	6	1.55
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG23	6	1.55
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB2	10	1.55
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB3	10	1.55
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	6	1.55
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	6	1.55
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	6	1.55
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	6	1.55
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	6	1.55
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	6	1.55
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	12	1.55
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	12	1.55
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	2	1.55
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	2	1.55
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	1	1.55
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	5	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	5	1.55
(1,418)	1:716:A:GLY:HA2	1:728:A:THR:HA	3	1.55
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB2	9	1.54
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB3	9	1.54
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	15	1.54
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	1	1.54
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	3	1.54
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	13	1.54
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	9	1.54
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	16	1.54
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	16	1.54
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	16	1.54
(1,286)	1:795:A:VAL:HA	1:839:A:TRP:HD1	19	1.54
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	9	1.54
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	9	1.54
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	9	1.54
(1,1386)	1:792:A:LEU:HD11	1:806:A:THR:HA	20	1.53
(1,1386)	1:792:A:LEU:HD12	1:806:A:THR:HA	20	1.53
(1,1386)	1:792:A:LEU:HD13	1:806:A:THR:HA	20	1.53
(1,1386)	1:792:A:LEU:HD21	1:806:A:THR:HA	20	1.53
(1,1386)	1:792:A:LEU:HD22	1:806:A:THR:HA	20	1.53
(1,1386)	1:792:A:LEU:HD23	1:806:A:THR:HA	20	1.53
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG12	5	1.53
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG13	5	1.53
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	1	1.53
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	1	1.53
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	10	1.53
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	10	1.53
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	11	1.53
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	11	1.53
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	8	1.53
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	5	1.53
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	3	1.53
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	19	1.53
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	19	1.53
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	8	1.53
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	8	1.53
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	8	1.53
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	2	1.52
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	2	1.52
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	2	1.52
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	2	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	2	1.52
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	2	1.52
(1,1440)	1:820:A:GLN:HB2	1:828:A:TYR:H	9	1.52
(1,1440)	1:820:A:GLN:HB3	1:828:A:TYR:H	9	1.52
(1,1361)	1:788:A:PRO:HB2	1:808:A:SER:HA	8	1.52
(1,1361)	1:788:A:PRO:HB3	1:808:A:SER:HA	8	1.52
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG2	17	1.52
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG3	17	1.52
(1,1128)	1:707:A:VAL:HG11	1:772:A:ASN:HB2	18	1.52
(1,1128)	1:707:A:VAL:HG11	1:772:A:ASN:HB3	18	1.52
(1,1128)	1:707:A:VAL:HG12	1:772:A:ASN:HB2	18	1.52
(1,1128)	1:707:A:VAL:HG12	1:772:A:ASN:HB3	18	1.52
(1,1128)	1:707:A:VAL:HG13	1:772:A:ASN:HB2	18	1.52
(1,1128)	1:707:A:VAL:HG13	1:772:A:ASN:HB3	18	1.52
(1,1128)	1:707:A:VAL:HG21	1:772:A:ASN:HB2	18	1.52
(1,1128)	1:707:A:VAL:HG21	1:772:A:ASN:HB3	18	1.52
(1,1128)	1:707:A:VAL:HG22	1:772:A:ASN:HB2	18	1.52
(1,1128)	1:707:A:VAL:HG22	1:772:A:ASN:HB3	18	1.52
(1,1128)	1:707:A:VAL:HG23	1:772:A:ASN:HB2	18	1.52
(1,1128)	1:707:A:VAL:HG23	1:772:A:ASN:HB3	18	1.52
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	15	1.52
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	6	1.52
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	6	1.52
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	6	1.52
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	13	1.52
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	13	1.52
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	13	1.52
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	17	1.52
(1,279)	1:820:A:GLN:HB2	1:829:A:LEU:HG	18	1.52
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	9	1.52
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	9	1.52
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	9	1.52
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	16	1.52
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	16	1.52
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	16	1.52
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	7	1.52
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG21	9	1.51
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG22	9	1.51
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG23	9	1.51
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG21	9	1.51
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG22	9	1.51
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG23	9	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	11	1.51
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	11	1.51
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB2	12	1.51
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB3	12	1.51
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB2	12	1.51
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB3	12	1.51
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB2	12	1.51
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB3	12	1.51
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	17	1.51
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	17	1.51
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	11	1.51
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	11	1.51
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	13	1.51
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	15	1.51
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	10	1.51
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	16	1.51
(1,279)	1:820:A:GLN:HB2	1:829:A:LEU:HG	6	1.51
(1,279)	1:820:A:GLN:HB2	1:829:A:LEU:HG	14	1.51
(1,1440)	1:820:A:GLN:HB2	1:828:A:TYR:H	16	1.5
(1,1440)	1:820:A:GLN:HB3	1:828:A:TYR:H	16	1.5
(1,1361)	1:788:A:PRO:HB2	1:808:A:SER:HA	16	1.5
(1,1361)	1:788:A:PRO:HB3	1:808:A:SER:HA	16	1.5
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	3	1.5
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	3	1.5
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	10	1.5
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	17	1.5
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	7	1.5
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	13	1.5
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	18	1.5
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	1	1.5
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	1	1.5
(1,286)	1:795:A:VAL:HA	1:839:A:TRP:HD1	16	1.5
(1,1442)	1:821:A:GLN:HB2	1:828:A:TYR:HB2	19	1.49
(1,1442)	1:821:A:GLN:HB2	1:828:A:TYR:HB3	19	1.49
(1,1442)	1:821:A:GLN:HB3	1:828:A:TYR:HB2	19	1.49
(1,1442)	1:821:A:GLN:HB3	1:828:A:TYR:HB3	19	1.49
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	19	1.49
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	19	1.49
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG2	20	1.49
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG3	20	1.49
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG2	20	1.49
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG3	20	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG2	20	1.49
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG3	20	1.49
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	5	1.49
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	5	1.49
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	13	1.49
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	13	1.49
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	15	1.49
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	15	1.49
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	19	1.49
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	19	1.49
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	7	1.49
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	14	1.49
(1,810)	1:839:A:TRP:HE3	1:840:A:ILE:H	15	1.49
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	19	1.49
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	4	1.49
(1,418)	1:716:A:GLY:HA2	1:728:A:THR:HA	17	1.49
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	12	1.49
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	12	1.49
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	12	1.49
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	4	1.49
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	4	1.49
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	4	1.49
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	18	1.48
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	18	1.48
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	13	1.48
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	16	1.48
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	20	1.48
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	7	1.48
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	7	1.48
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	7	1.48
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	20	1.48
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	5	1.48
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	17	1.48
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	17	1.48
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	17	1.48
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	7	1.48
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	7	1.48
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	7	1.48
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	4	1.47
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	4	1.47
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	4	1.47
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	4	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	4	1.47
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	4	1.47
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	12	1.47
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	12	1.47
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	20	1.47
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	20	1.47
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	11	1.47
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	11	1.47
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	4	1.47
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	4	1.47
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	15	1.47
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	15	1.47
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	20	1.47
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	20	1.47
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	5	1.47
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	12	1.47
(1,286)	1:795:A:VAL:HA	1:839:A:TRP:HD1	20	1.47
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	7	1.47
(1,69)	1:709:A:GLN:HA	1:736:A:LEU:HG	6	1.47
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	6	1.47
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	6	1.47
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	6	1.47
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	13	1.46
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	13	1.46
(1,1361)	1:788:A:PRO:HB2	1:808:A:SER:HA	3	1.46
(1,1361)	1:788:A:PRO:HB3	1:808:A:SER:HA	3	1.46
(1,1177)	1:719:A:THR:H	1:723:A:ASP:HB2	12	1.46
(1,1177)	1:719:A:THR:H	1:723:A:ASP:HB3	12	1.46
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB2	5	1.46
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB3	5	1.46
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	6	1.46
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	6	1.46
(1,1103)	1:701:A:VAL:HG11	1:741:A:ALA:H	1	1.46
(1,1103)	1:701:A:VAL:HG12	1:741:A:ALA:H	1	1.46
(1,1103)	1:701:A:VAL:HG13	1:741:A:ALA:H	1	1.46
(1,1103)	1:701:A:VAL:HG21	1:741:A:ALA:H	1	1.46
(1,1103)	1:701:A:VAL:HG22	1:741:A:ALA:H	1	1.46
(1,1103)	1:701:A:VAL:HG23	1:741:A:ALA:H	1	1.46
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	5	1.46
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	5	1.46
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	19	1.46
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	19	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	2	1.46
(1,871)	1:709:A:GLN:HA	1:733:A:GLN:H	6	1.46
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	1	1.46
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	20	1.46
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	3	1.46
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	3	1.46
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	3	1.46
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	3	1.46
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	3	1.46
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	3	1.46
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	3	1.46
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	3	1.46
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	3	1.46
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	6	1.46
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	6	1.46
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	6	1.46
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	6	1.46
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	6	1.46
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	6	1.46
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	6	1.46
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	6	1.46
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	6	1.46
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	6	1.46
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB2	14	1.45
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB3	14	1.45
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	12	1.45
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	12	1.45
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	17	1.45
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	17	1.45
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB2	6	1.45
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB3	6	1.45
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB2	6	1.45
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB3	6	1.45
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB2	6	1.45
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB3	6	1.45
(1,1220)	1:737:A:SER:HB2	1:755:A:TYR:HB2	17	1.45
(1,1220)	1:737:A:SER:HB2	1:755:A:TYR:HB3	17	1.45
(1,1220)	1:737:A:SER:HB3	1:755:A:TYR:HB2	17	1.45
(1,1220)	1:737:A:SER:HB3	1:755:A:TYR:HB3	17	1.45
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	1	1.45
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	1	1.45
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	7	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	7	1.45
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	18	1.45
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	18	1.45
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	20	1.45
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	2	1.45
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	13	1.45
(1,834)	1:780:A:ILE:HD11	1:819:A:LYS:H	16	1.45
(1,834)	1:780:A:ILE:HD12	1:819:A:LYS:H	16	1.45
(1,834)	1:780:A:ILE:HD13	1:819:A:LYS:H	16	1.45
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	12	1.45
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	12	1.45
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	12	1.45
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	2	1.45
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	17	1.45
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	17	1.45
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	10	1.45
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	10	1.45
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	10	1.45
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	16	1.45
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	12	1.44
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	12	1.44
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	8	1.44
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	8	1.44
(1,1386)	1:792:A:LEU:HD11	1:806:A:THR:HA	13	1.44
(1,1386)	1:792:A:LEU:HD12	1:806:A:THR:HA	13	1.44
(1,1386)	1:792:A:LEU:HD13	1:806:A:THR:HA	13	1.44
(1,1386)	1:792:A:LEU:HD21	1:806:A:THR:HA	13	1.44
(1,1386)	1:792:A:LEU:HD22	1:806:A:THR:HA	13	1.44
(1,1386)	1:792:A:LEU:HD23	1:806:A:THR:HA	13	1.44
(1,1361)	1:788:A:PRO:HB2	1:808:A:SER:HA	18	1.44
(1,1361)	1:788:A:PRO:HB3	1:808:A:SER:HA	18	1.44
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	13	1.44
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	13	1.44
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	19	1.44
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	1	1.44
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	12	1.44
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	11	1.44
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	19	1.44
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	19	1.44
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	19	1.44
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	13	1.44
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	9	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	19	1.44
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	19	1.44
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	19	1.44
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	19	1.44
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	19	1.44
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	19	1.44
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	19	1.44
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	19	1.44
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	19	1.44
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	8	1.44
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	8	1.44
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	8	1.44
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	17	1.43
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	17	1.43
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	17	1.43
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	17	1.43
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	17	1.43
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	17	1.43
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	8	1.43
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	8	1.43
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	19	1.43
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	19	1.43
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB2	2	1.43
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB3	2	1.43
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB2	11	1.43
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB3	11	1.43
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB2	11	1.43
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB3	11	1.43
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	7	1.43
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	7	1.43
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG2	17	1.43
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG3	17	1.43
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG2	17	1.43
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG3	17	1.43
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG2	17	1.43
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG3	17	1.43
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	9	1.43
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	9	1.43
(1,1139)	1:709:A:GLN:HG2	1:770:A:ILE:HB	17	1.43
(1,1139)	1:709:A:GLN:HG3	1:770:A:ILE:HB	17	1.43
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG2	8	1.43
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG3	8	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	12	1.43
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	12	1.43
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	16	1.43
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	16	1.43
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	6	1.43
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	12	1.43
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	14	1.43
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	4	1.43
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	19	1.43
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	8	1.43
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	8	1.43
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	8	1.43
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	15	1.43
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	8	1.43
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	3	1.43
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	18	1.43
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	13	1.43
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	13	1.43
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB2	10	1.42
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB3	10	1.42
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB2	10	1.42
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB3	10	1.42
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB2	10	1.42
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB3	10	1.42
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	14	1.42
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	14	1.42
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	18	1.42
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	18	1.42
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	6	1.42
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	6	1.42
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	9	1.42
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	9	1.42
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	13	1.42
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	13	1.42
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	14	1.42
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	14	1.42
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	20	1.42
(1,810)	1:839:A:TRP:HE3	1:840:A:ILE:H	16	1.42
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	8	1.42
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	14	1.42
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	18	1.42
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	18	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	18	1.42
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	5	1.42
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	5	1.42
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	12	1.42
(1,286)	1:795:A:VAL:HA	1:839:A:TRP:HD1	5	1.42
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	19	1.42
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	19	1.42
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	19	1.42
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	20	1.41
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	20	1.41
(1,1198)	1:725:A:LYS:HA	1:725:A:LYS:HE2	11	1.41
(1,1198)	1:725:A:LYS:HA	1:725:A:LYS:HE3	11	1.41
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	6	1.41
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	6	1.41
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB2	8	1.41
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB3	8	1.41
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	4	1.41
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	17	1.41
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	10	1.41
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	18	1.41
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	16	1.41
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	14	1.41
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	15	1.41
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB1	16	1.41
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB2	16	1.41
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB3	16	1.41
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	4	1.41
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	6	1.41
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	9	1.41
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	19	1.41
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	8	1.41
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	8	1.41
(1,364)	1:823:A:ILE:HB	1:826:A:ALA:H	3	1.41
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	6	1.41
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	6	1.41
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	6	1.41
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	6	1.41
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	20	1.41
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	8	1.41
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	8	1.41
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	8	1.41
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG11	7	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG12	7	1.4
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG13	7	1.4
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG21	7	1.4
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG22	7	1.4
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG23	7	1.4
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG11	7	1.4
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG12	7	1.4
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG13	7	1.4
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG21	7	1.4
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG22	7	1.4
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG23	7	1.4
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	13	1.4
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	13	1.4
(1,1166)	1:717:A:LEU:HD11	1:764:A:VAL:HB	6	1.4
(1,1166)	1:717:A:LEU:HD12	1:764:A:VAL:HB	6	1.4
(1,1166)	1:717:A:LEU:HD13	1:764:A:VAL:HB	6	1.4
(1,1166)	1:717:A:LEU:HD21	1:764:A:VAL:HB	6	1.4
(1,1166)	1:717:A:LEU:HD22	1:764:A:VAL:HB	6	1.4
(1,1166)	1:717:A:LEU:HD23	1:764:A:VAL:HB	6	1.4
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	14	1.4
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	14	1.4
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	14	1.4
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	14	1.4
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	14	1.4
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	14	1.4
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	5	1.4
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	5	1.4
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	8	1.4
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	8	1.4
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	3	1.4
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	5	1.4
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	2	1.4
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	5	1.4
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	8	1.4
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	18	1.4
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	3	1.4
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	5	1.4
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	5	1.4
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	5	1.4
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	1	1.4
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	1	1.4
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	8	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	16	1.4
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	20	1.4
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	15	1.4
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	15	1.4
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	14	1.4
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	14	1.4
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	14	1.4
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	9	1.39
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	9	1.39
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	9	1.39
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	9	1.39
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	9	1.39
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	9	1.39
(1,1410)	1:799:A:THR:H	1:802:A:GLN:HG2	20	1.39
(1,1410)	1:799:A:THR:H	1:802:A:GLN:HG3	20	1.39
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG2	18	1.39
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG3	18	1.39
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	17	1.39
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	17	1.39
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	17	1.39
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	17	1.39
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	17	1.39
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	17	1.39
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	11	1.39
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	14	1.39
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	8	1.39
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	14	1.39
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	5	1.39
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	7	1.39
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	11	1.39
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	17	1.39
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	6	1.39
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	12	1.39
(1,132)	1:787:A:LYS:HA	1:812:A:ASP:HA	9	1.39
(1,69)	1:709:A:GLN:HA	1:736:A:LEU:HG	3	1.39
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	15	1.39
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	15	1.39
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	15	1.39
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG11	8	1.38
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG12	8	1.38
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG13	8	1.38
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG21	8	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG22	8	1.38
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG23	8	1.38
(1,1361)	1:788:A:PRO:HB2	1:808:A:SER:HA	11	1.38
(1,1361)	1:788:A:PRO:HB3	1:808:A:SER:HA	11	1.38
(1,1166)	1:717:A:LEU:HD11	1:764:A:VAL:HB	19	1.38
(1,1166)	1:717:A:LEU:HD12	1:764:A:VAL:HB	19	1.38
(1,1166)	1:717:A:LEU:HD13	1:764:A:VAL:HB	19	1.38
(1,1166)	1:717:A:LEU:HD21	1:764:A:VAL:HB	19	1.38
(1,1166)	1:717:A:LEU:HD22	1:764:A:VAL:HB	19	1.38
(1,1166)	1:717:A:LEU:HD23	1:764:A:VAL:HB	19	1.38
(1,914)	1:795:A:VAL:H	1:798:A:GLY:H	14	1.38
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	12	1.38
(1,889)	1:799:A:THR:H	1:801:A:ASN:HA	17	1.38
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	14	1.38
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	10	1.38
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	4	1.38
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	4	1.38
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	10	1.38
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	15	1.38
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	16	1.38
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	17	1.38
(1,224)	1:732:A:ILE:HD11	1:733:A:GLN:H	12	1.38
(1,224)	1:732:A:ILE:HD12	1:733:A:GLN:H	12	1.38
(1,224)	1:732:A:ILE:HD13	1:733:A:GLN:H	12	1.38
(1,224)	1:732:A:ILE:HD11	1:733:A:GLN:H	18	1.38
(1,224)	1:732:A:ILE:HD12	1:733:A:GLN:H	18	1.38
(1,224)	1:732:A:ILE:HD13	1:733:A:GLN:H	18	1.38
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	18	1.38
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	1	1.38
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	1	1.38
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	1	1.38
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	19	1.37
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	19	1.37
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	19	1.37
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	19	1.37
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	19	1.37
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	19	1.37
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	20	1.37
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	20	1.37
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	2	1.37
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	2	1.37
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	19	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	19	1.37
(1,1197)	1:725:A:LYS:H	1:725:A:LYS:HE2	10	1.37
(1,1197)	1:725:A:LYS:H	1:725:A:LYS:HE3	10	1.37
(1,1136)	1:709:A:GLN:HB2	1:733:A:GLN:HA	3	1.37
(1,1136)	1:709:A:GLN:HB3	1:733:A:GLN:HA	3	1.37
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	8	1.37
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	8	1.37
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	9	1.37
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	9	1.37
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	14	1.37
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	14	1.37
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	16	1.37
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	16	1.37
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	19	1.37
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	19	1.37
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE1	4	1.37
(1,1063)	1:722:A:TYR:H	1:722:A:TYR:HE2	4	1.37
(1,1021)	1:702:A:THR:HA	1:742:A:ALA:H	9	1.37
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	3	1.37
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	19	1.37
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	5	1.37
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	2	1.37
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	15	1.37
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	3	1.37
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	3	1.37
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	1	1.37
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	2	1.37
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	4	1.37
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	11	1.37
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB1	12	1.37
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB2	12	1.37
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB3	12	1.37
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB1	13	1.37
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB2	13	1.37
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB3	13	1.37
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB2	9	1.36
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB3	9	1.36
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	2	1.36
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	2	1.36
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG2	19	1.36
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG3	19	1.36
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG2	19	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG3	19	1.36
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG2	19	1.36
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG3	19	1.36
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG2	19	1.36
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG3	19	1.36
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG2	19	1.36
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG3	19	1.36
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG2	19	1.36
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG3	19	1.36
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	2	1.36
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	2	1.36
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	6	1.36
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	6	1.36
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	15	1.36
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	15	1.36
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	9	1.36
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	3	1.36
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	3	1.36
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	3	1.36
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	12	1.36
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	7	1.36
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	20	1.36
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	17	1.36
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	7	1.36
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	7	1.36
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	6	1.36
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	7	1.36
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	20	1.36
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	16	1.36
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	16	1.36
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	16	1.36
(1,48)	1:743:A:THR:HG21	1:745:A:GLY:H	20	1.36
(1,48)	1:743:A:THR:HG22	1:745:A:GLY:H	20	1.36
(1,48)	1:743:A:THR:HG23	1:745:A:GLY:H	20	1.36
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	2	1.35
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	2	1.35
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	20	1.35
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	20	1.35
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	18	1.35
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	18	1.35
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	18	1.35
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	18	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG2	18	1.35
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG3	18	1.35
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB2	2	1.35
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB3	2	1.35
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB2	2	1.35
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB3	2	1.35
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB2	2	1.35
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB3	2	1.35
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	12	1.35
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	12	1.35
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	17	1.35
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	17	1.35
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	8	1.35
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	8	1.35
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	8	1.35
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	8	1.35
(1,1150)	1:714:A:ASN:HB2	1:716:A:GLY:H	6	1.35
(1,1150)	1:714:A:ASN:HB3	1:716:A:GLY:H	6	1.35
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	9	1.35
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	9	1.35
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	9	1.35
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	9	1.35
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	9	1.35
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	9	1.35
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	10	1.35
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	10	1.35
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	17	1.35
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	17	1.35
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	6	1.35
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	6	1.35
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	13	1.35
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	13	1.35
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	2	1.35
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	11	1.35
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	15	1.35
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	19	1.35
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	3	1.35
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	12	1.35
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	12	1.35
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	16	1.35
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	16	1.35
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	19	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	19	1.35
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	5	1.35
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	9	1.35
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	19	1.35
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	17	1.35
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	20	1.35
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	20	1.35
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	20	1.35
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	1	1.35
(1,1361)	1:788:A:PRO:HB2	1:808:A:SER:HA	7	1.34
(1,1361)	1:788:A:PRO:HB3	1:808:A:SER:HA	7	1.34
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB2	18	1.34
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB3	18	1.34
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB2	18	1.34
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB3	18	1.34
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB2	18	1.34
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB3	18	1.34
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB2	6	1.34
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB3	6	1.34
(1,1197)	1:725:A:LYS:H	1:725:A:LYS:HE2	6	1.34
(1,1197)	1:725:A:LYS:H	1:725:A:LYS:HE3	6	1.34
(1,1197)	1:725:A:LYS:H	1:725:A:LYS:HE2	20	1.34
(1,1197)	1:725:A:LYS:H	1:725:A:LYS:HE3	20	1.34
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	1	1.34
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	1	1.34
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	1	1.34
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	1	1.34
(1,1151)	1:714:A:ASN:HB2	1:768:A:GLU:HB2	8	1.34
(1,1151)	1:714:A:ASN:HB2	1:768:A:GLU:HB3	8	1.34
(1,1151)	1:714:A:ASN:HB3	1:768:A:GLU:HB2	8	1.34
(1,1151)	1:714:A:ASN:HB3	1:768:A:GLU:HB3	8	1.34
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	4	1.34
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	4	1.34
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	11	1.34
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	11	1.34
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	12	1.34
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	12	1.34
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	11	1.34
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	10	1.34
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	10	1.34
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	18	1.34
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	3	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	6	1.34
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	12	1.34
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	10	1.34
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	10	1.34
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	20	1.34
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	20	1.34
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	3	1.34
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	18	1.34
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	5	1.34
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	3	1.34
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	3	1.34
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	3	1.34
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	9	1.34
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	9	1.34
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	9	1.34
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	13	1.34
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	13	1.34
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	13	1.34
(1,69)	1:709:A:GLN:HA	1:736:A:LEU:HG	2	1.34
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	5	1.34
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	5	1.34
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB2	20	1.33
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB3	20	1.33
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB2	20	1.33
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB3	20	1.33
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB2	20	1.33
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB3	20	1.33
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	5	1.33
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	5	1.33
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	7	1.33
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	7	1.33
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	20	1.33
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	20	1.33
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	7	1.33
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	7	1.33
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	15	1.33
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	17	1.33
(1,834)	1:780:A:ILE:HD11	1:819:A:LYS:H	13	1.33
(1,834)	1:780:A:ILE:HD12	1:819:A:LYS:H	13	1.33
(1,834)	1:780:A:ILE:HD13	1:819:A:LYS:H	13	1.33
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	2	1.33
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	9	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	11	1.33
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	14	1.33
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	8	1.33
(1,364)	1:823:A:ILE:HB	1:826:A:ALA:H	2	1.33
(1,229)	1:705:A:SER:HA	1:739:A:THR:HA	3	1.33
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	4	1.33
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	4	1.33
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	4	1.33
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	5	1.33
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	5	1.33
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	5	1.33
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	7	1.33
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	16	1.32
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	16	1.32
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB2	6	1.32
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB3	6	1.32
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB2	6	1.32
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB3	6	1.32
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB2	6	1.32
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB3	6	1.32
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB2	9	1.32
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB3	9	1.32
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB2	9	1.32
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB3	9	1.32
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB2	9	1.32
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB3	9	1.32
(1,1219)	1:737:A:SER:HB2	1:755:A:TYR:HA	12	1.32
(1,1219)	1:737:A:SER:HB3	1:755:A:TYR:HA	12	1.32
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	7	1.32
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	7	1.32
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	1	1.32
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	1	1.32
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	2	1.32
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	2	1.32
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	3	1.32
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	3	1.32
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	1	1.32
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	1	1.32
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	20	1.32
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	20	1.32
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	20	1.32
(1,645)	1:750:A:TYR:HE1	1:766:A:GLN:HA	6	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:750:A:TYR:HE2	1:766:A:GLN:HA	6	1.32
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	16	1.32
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	16	1.32
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	16	1.32
(1,607)	1:787:A:LYS:H	1:846:A:THR:HA	3	1.32
(1,584)	1:796:A:PRO:HA	1:839:A:TRP:HB2	20	1.32
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	9	1.32
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	9	1.32
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	12	1.32
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	5	1.32
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	5	1.32
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	5	1.32
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	14	1.32
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	14	1.31
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	14	1.31
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB2	17	1.31
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB3	17	1.31
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB2	17	1.31
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB3	17	1.31
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB2	17	1.31
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB3	17	1.31
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	1	1.31
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	1	1.31
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG11	10	1.31
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG12	10	1.31
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG13	10	1.31
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG21	10	1.31
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG22	10	1.31
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG23	10	1.31
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG11	10	1.31
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG12	10	1.31
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG13	10	1.31
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG21	10	1.31
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG22	10	1.31
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG23	10	1.31
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	16	1.31
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	16	1.31
(1,1151)	1:714:A:ASN:HB2	1:768:A:GLU:HB2	10	1.31
(1,1151)	1:714:A:ASN:HB2	1:768:A:GLU:HB3	10	1.31
(1,1151)	1:714:A:ASN:HB3	1:768:A:GLU:HB2	10	1.31
(1,1151)	1:714:A:ASN:HB3	1:768:A:GLU:HB3	10	1.31
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE1	13	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1064)	1:722:A:TYR:HA	1:722:A:TYR:HE2	13	1.31
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	3	1.31
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	3	1.31
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	8	1.31
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	8	1.31
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	15	1.31
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	15	1.31
(1,969)	1:748:A:LYS:H	1:748:A:LYS:HG3	17	1.31
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	1	1.31
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	1	1.31
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	1	1.31
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	8	1.31
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	13	1.31
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	12	1.31
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	14	1.31
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	14	1.31
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	13	1.31
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	13	1.31
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	13	1.31
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	14	1.31
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	14	1.31
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	14	1.31
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	18	1.3
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	18	1.3
(1,1361)	1:788:A:PRO:HB2	1:808:A:SER:HA	9	1.3
(1,1361)	1:788:A:PRO:HB3	1:808:A:SER:HA	9	1.3
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	6	1.3
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	6	1.3
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	15	1.3
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	15	1.3
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	20	1.3
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	20	1.3
(1,1079)	1:794:A:THR:HA	1:839:A:TRP:HD1	20	1.3
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	11	1.3
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	11	1.3
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	20	1.3
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	20	1.3
(1,834)	1:780:A:ILE:HD11	1:819:A:LYS:H	7	1.3
(1,834)	1:780:A:ILE:HD12	1:819:A:LYS:H	7	1.3
(1,834)	1:780:A:ILE:HD13	1:819:A:LYS:H	7	1.3
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	6	1.3
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG21	13	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG22	13	1.3
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG23	13	1.3
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	8	1.3
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	17	1.3
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	17	1.3
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	17	1.3
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	12	1.3
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	14	1.3
(1,416)	1:716:A:GLY:HA3	1:728:A:THR:HA	14	1.3
(1,416)	1:716:A:GLY:HA3	1:728:A:THR:HA	16	1.3
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	11	1.3
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	11	1.3
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	18	1.3
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	18	1.3
(1,379)	1:825:A:LYS:HB2	1:825:A:LYS:HD3	2	1.3
(1,379)	1:825:A:LYS:HB2	1:825:A:LYS:HD3	13	1.3
(1,379)	1:825:A:LYS:HB2	1:825:A:LYS:HD3	17	1.3
(1,379)	1:825:A:LYS:HB2	1:825:A:LYS:HD3	19	1.3
(1,379)	1:825:A:LYS:HB2	1:825:A:LYS:HD3	20	1.3
(1,224)	1:732:A:ILE:HD11	1:733:A:GLN:H	17	1.3
(1,224)	1:732:A:ILE:HD12	1:733:A:GLN:H	17	1.3
(1,224)	1:732:A:ILE:HD13	1:733:A:GLN:H	17	1.3
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	11	1.3
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	11	1.3
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	11	1.3
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	15	1.3
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	15	1.3
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	15	1.3
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	4	1.3
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	7	1.3
(1,38)	1:815:A:PHE:HA	1:833:A:VAL:HA	11	1.3
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB2	19	1.29
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB3	19	1.29
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB2	19	1.29
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB3	19	1.29
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB2	19	1.29
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB3	19	1.29
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	20	1.29
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	20	1.29
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	4	1.29
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	4	1.29
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	4	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	4	1.29
(1,1139)	1:709:A:GLN:HG2	1:770:A:ILE:HB	18	1.29
(1,1139)	1:709:A:GLN:HG3	1:770:A:ILE:HB	18	1.29
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	16	1.29
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	16	1.29
(1,923)	1:780:A:ILE:H	1:818:A:THR:HA	8	1.29
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	1	1.29
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	11	1.29
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	1	1.29
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	3	1.29
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	4	1.29
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	6	1.29
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	15	1.29
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	16	1.29
(1,379)	1:825:A:LYS:HB2	1:825:A:LYS:HD3	8	1.29
(1,379)	1:825:A:LYS:HB2	1:825:A:LYS:HD3	9	1.29
(1,346)	1:707:A:VAL:HB	1:735:A:THR:HG21	18	1.29
(1,346)	1:707:A:VAL:HB	1:735:A:THR:HG22	18	1.29
(1,346)	1:707:A:VAL:HB	1:735:A:THR:HG23	18	1.29
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	19	1.29
(1,176)	1:709:A:GLN:HB2	1:734:A:ARG:H	6	1.29
(1,132)	1:787:A:LYS:HA	1:812:A:ASP:HA	16	1.29
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	16	1.29
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	12	1.29
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	12	1.29
(1,1440)	1:820:A:GLN:HB2	1:828:A:TYR:H	10	1.28
(1,1440)	1:820:A:GLN:HB3	1:828:A:TYR:H	10	1.28
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	11	1.28
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	11	1.28
(1,1281)	1:754:A:ASP:HB2	1:759:A:THR:HB	13	1.28
(1,1281)	1:754:A:ASP:HB3	1:759:A:THR:HB	13	1.28
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG2	19	1.28
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG3	19	1.28
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	3	1.28
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	3	1.28
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	3	1.28
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	3	1.28
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	9	1.28
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	9	1.28
(1,914)	1:795:A:VAL:H	1:798:A:GLY:H	9	1.28
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	4	1.28
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	19	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	20	1.28
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	10	1.28
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	10	1.28
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	10	1.28
(1,132)	1:787:A:LYS:HA	1:812:A:ASP:HA	7	1.28
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB2	17	1.27
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB3	17	1.27
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	16	1.27
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	16	1.27
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	6	1.27
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	6	1.27
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	13	1.27
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	13	1.27
(1,1215)	1:736:A:LEU:HB2	1:752:A:VAL:HB	18	1.27
(1,1215)	1:736:A:LEU:HB3	1:752:A:VAL:HB	18	1.27
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB2	4	1.27
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB3	4	1.27
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB2	4	1.27
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB3	4	1.27
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	14	1.27
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	14	1.27
(1,1166)	1:717:A:LEU:HD11	1:764:A:VAL:HB	3	1.27
(1,1166)	1:717:A:LEU:HD12	1:764:A:VAL:HB	3	1.27
(1,1166)	1:717:A:LEU:HD13	1:764:A:VAL:HB	3	1.27
(1,1166)	1:717:A:LEU:HD21	1:764:A:VAL:HB	3	1.27
(1,1166)	1:717:A:LEU:HD22	1:764:A:VAL:HB	3	1.27
(1,1166)	1:717:A:LEU:HD23	1:764:A:VAL:HB	3	1.27
(1,1103)	1:701:A:VAL:HG11	1:741:A:ALA:H	7	1.27
(1,1103)	1:701:A:VAL:HG12	1:741:A:ALA:H	7	1.27
(1,1103)	1:701:A:VAL:HG13	1:741:A:ALA:H	7	1.27
(1,1103)	1:701:A:VAL:HG21	1:741:A:ALA:H	7	1.27
(1,1103)	1:701:A:VAL:HG22	1:741:A:ALA:H	7	1.27
(1,1103)	1:701:A:VAL:HG23	1:741:A:ALA:H	7	1.27
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	14	1.27
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	14	1.27
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	7	1.27
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	7	1.27
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	20	1.27
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	11	1.27
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	2	1.27
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	10	1.27
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	19	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,364)	1:823:A:ILE:HB	1:826:A:ALA:H	9	1.27
(1,253)	1:713:A:LYS:HA	1:713:A:LYS:HD3	13	1.27
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	3	1.27
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	2	1.27
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	2	1.27
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	2	1.27
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	14	1.27
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	14	1.27
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	14	1.27
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	8	1.27
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	10	1.27
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	14	1.27
(1,17)	1:712:A:ALA:HA	1:732:A:ILE:HG21	7	1.27
(1,17)	1:712:A:ALA:HA	1:732:A:ILE:HG22	7	1.27
(1,17)	1:712:A:ALA:HA	1:732:A:ILE:HG23	7	1.27
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	18	1.27
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	18	1.27
(1,1449)	1:825:A:LYS:HB2	1:825:A:LYS:HE2	5	1.26
(1,1449)	1:825:A:LYS:HB2	1:825:A:LYS:HE3	5	1.26
(1,1449)	1:825:A:LYS:HB3	1:825:A:LYS:HE2	5	1.26
(1,1449)	1:825:A:LYS:HB3	1:825:A:LYS:HE3	5	1.26
(1,1442)	1:821:A:GLN:HB2	1:828:A:TYR:HB2	11	1.26
(1,1442)	1:821:A:GLN:HB2	1:828:A:TYR:HB3	11	1.26
(1,1442)	1:821:A:GLN:HB3	1:828:A:TYR:HB2	11	1.26
(1,1442)	1:821:A:GLN:HB3	1:828:A:TYR:HB3	11	1.26
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	20	1.26
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	20	1.26
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	20	1.26
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	20	1.26
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	19	1.26
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	19	1.26
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD11	3	1.26
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD12	3	1.26
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD13	3	1.26
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD21	3	1.26
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD22	3	1.26
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD23	3	1.26
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD11	10	1.26
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD12	10	1.26
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD13	10	1.26
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD21	10	1.26
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD22	10	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD23	10	1.26
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	19	1.26
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	19	1.26
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	11	1.26
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	11	1.26
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	8	1.26
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	19	1.26
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	19	1.26
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	19	1.26
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	2	1.26
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	2	1.26
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	3	1.26
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	3	1.26
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	17	1.26
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	17	1.26
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	19	1.26
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	19	1.26
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	14	1.26
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	14	1.26
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	14	1.26
(1,842)	1:737:A:SER:H	1:755:A:TYR:H	1	1.26
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	10	1.26
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	8	1.26
(1,351)	1:711:A:ASN:H	1:769:A:VAL:HA	9	1.26
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	1	1.26
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	5	1.26
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	6	1.26
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	15	1.26
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	18	1.26
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	20	1.26
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	10	1.26
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	15	1.25
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	15	1.25
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	3	1.25
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	3	1.25
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	3	1.25
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	3	1.25
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	10	1.25
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	10	1.25
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	19	1.25
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	19	1.25
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	13	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	13	1.25
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	13	1.25
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	13	1.25
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	13	1.25
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	13	1.25
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	10	1.25
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	10	1.25
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG11	4	1.25
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG12	4	1.25
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG13	4	1.25
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG21	4	1.25
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG22	4	1.25
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG23	4	1.25
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG11	12	1.25
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG12	12	1.25
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG13	12	1.25
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG21	12	1.25
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG22	12	1.25
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG23	12	1.25
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	12	1.25
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	12	1.25
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	12	1.25
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	13	1.25
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	13	1.25
(1,834)	1:780:A:ILE:HD11	1:819:A:LYS:H	12	1.25
(1,834)	1:780:A:ILE:HD12	1:819:A:LYS:H	12	1.25
(1,834)	1:780:A:ILE:HD13	1:819:A:LYS:H	12	1.25
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	20	1.25
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	20	1.25
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	20	1.25
(1,584)	1:796:A:PRO:HA	1:839:A:TRP:HB2	19	1.25
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	13	1.25
(1,515)	1:793:A:HIS:HA	1:803:A:VAL:HA	10	1.25
(1,364)	1:823:A:ILE:HB	1:826:A:ALA:H	14	1.25
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	20	1.25
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	20	1.25
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	20	1.25
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	3	1.25
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	14	1.25
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	4	1.25
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	3	1.25
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	9	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	12	1.25
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	13	1.25
(1,69)	1:709:A:GLN:HA	1:736:A:LEU:HG	4	1.25
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	6	1.25
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	6	1.25
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	13	1.25
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	13	1.25
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	4	1.24
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	4	1.24
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	12	1.24
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	12	1.24
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG11	9	1.24
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG12	9	1.24
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG13	9	1.24
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG21	9	1.24
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG22	9	1.24
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG23	9	1.24
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	3	1.24
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	3	1.24
(1,1173)	1:718:A:TYR:HB2	1:723:A:ASP:HB2	7	1.24
(1,1173)	1:718:A:TYR:HB2	1:723:A:ASP:HB3	7	1.24
(1,1173)	1:718:A:TYR:HB3	1:723:A:ASP:HB2	7	1.24
(1,1173)	1:718:A:TYR:HB3	1:723:A:ASP:HB3	7	1.24
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	12	1.24
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	12	1.24
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	12	1.24
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	12	1.24
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	12	1.24
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	12	1.24
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	19	1.24
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	19	1.24
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	18	1.24
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	12	1.24
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	12	1.24
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	17	1.24
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	17	1.24
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	19	1.24
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	19	1.24
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	6	1.24
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	6	1.24
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	9	1.24
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	9	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	10	1.24
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	10	1.24
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	13	1.24
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	13	1.24
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	13	1.24
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	7	1.24
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	13	1.24
(1,664)	1:717:A:LEU:H	1:717:A:LEU:HG	18	1.24
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	14	1.24
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	2	1.24
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	2	1.24
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE1	6	1.24
(1,403)	1:755:A:TYR:HA	1:755:A:TYR:HE2	6	1.24
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	11	1.24
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB1	9	1.24
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB2	9	1.24
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB3	9	1.24
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	18	1.24
(1,279)	1:820:A:GLN:HB2	1:829:A:LEU:HG	1	1.24
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	15	1.24
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	3	1.23
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	3	1.23
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	14	1.23
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	14	1.23
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	19	1.23
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	19	1.23
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB2	12	1.23
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB3	12	1.23
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	17	1.23
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	17	1.23
(1,1334)	1:783:A:THR:HA	1:816:A:LYS:HG2	14	1.23
(1,1334)	1:783:A:THR:HA	1:816:A:LYS:HG3	14	1.23
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	19	1.23
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	19	1.23
(1,1180)	1:720:A:THR:H	1:723:A:ASP:HB2	13	1.23
(1,1180)	1:720:A:THR:H	1:723:A:ASP:HB3	13	1.23
(1,1139)	1:709:A:GLN:HG2	1:770:A:ILE:HB	6	1.23
(1,1139)	1:709:A:GLN:HG3	1:770:A:ILE:HB	6	1.23
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG11	13	1.23
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG12	13	1.23
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG13	13	1.23
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG21	13	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG22	13	1.23
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG23	13	1.23
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	10	1.23
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	10	1.23
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	13	1.23
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	13	1.23
(1,1078)	1:839:A:TRP:H	1:839:A:TRP:HD1	16	1.23
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	5	1.23
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	5	1.23
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	6	1.23
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	16	1.23
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	16	1.23
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	7	1.23
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	8	1.23
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	1	1.23
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	14	1.23
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	9	1.23
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	16	1.23
(1,418)	1:716:A:GLY:HA2	1:728:A:THR:HA	4	1.23
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	13	1.23
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	13	1.23
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	13	1.23
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	13	1.23
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	5	1.23
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	11	1.23
(1,1449)	1:825:A:LYS:HB2	1:825:A:LYS:HE2	18	1.22
(1,1449)	1:825:A:LYS:HB2	1:825:A:LYS:HE3	18	1.22
(1,1449)	1:825:A:LYS:HB3	1:825:A:LYS:HE2	18	1.22
(1,1449)	1:825:A:LYS:HB3	1:825:A:LYS:HE3	18	1.22
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	11	1.22
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	11	1.22
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD11	20	1.22
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD12	20	1.22
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD13	20	1.22
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD21	20	1.22
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD22	20	1.22
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD23	20	1.22
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	3	1.22
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	3	1.22
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG21	8	1.22
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG22	8	1.22
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG23	8	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG21	8	1.22
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG22	8	1.22
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG23	8	1.22
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	10	1.22
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	1	1.22
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	1	1.22
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	4	1.22
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	4	1.22
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	18	1.22
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	18	1.22
(1,905)	1:829:A:LEU:HG	1:830:A:TYR:H	8	1.22
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	9	1.22
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	9	1.22
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	9	1.22
(1,888)	1:799:A:THR:H	1:801:A:ASN:H	19	1.22
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	5	1.22
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	20	1.22
(1,558)	1:737:A:SER:H	1:752:A:VAL:HB	19	1.22
(1,418)	1:716:A:GLY:HA2	1:728:A:THR:HA	5	1.22
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	2	1.22
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	2	1.22
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	2	1.22
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	9	1.22
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	1	1.22
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	1	1.22
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	1	1.22
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	19	1.22
(1,69)	1:709:A:GLN:HA	1:736:A:LEU:HG	14	1.22
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	12	1.22
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	12	1.22
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	12	1.22
(1,1449)	1:825:A:LYS:HB2	1:825:A:LYS:HE2	11	1.21
(1,1449)	1:825:A:LYS:HB2	1:825:A:LYS:HE3	11	1.21
(1,1449)	1:825:A:LYS:HB3	1:825:A:LYS:HE2	11	1.21
(1,1449)	1:825:A:LYS:HB3	1:825:A:LYS:HE3	11	1.21
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	18	1.21
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	18	1.21
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	15	1.21
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	15	1.21
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	9	1.21
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	9	1.21
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	9	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	9	1.21
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	14	1.21
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	14	1.21
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	8	1.21
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	8	1.21
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	12	1.21
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	12	1.21
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	19	1.21
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	16	1.21
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	14	1.21
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	14	1.21
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	14	1.21
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	11	1.21
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	18	1.21
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG21	7	1.21
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG22	7	1.21
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG23	7	1.21
(1,643)	1:706:A:GLY:HA2	1:773:A:THR:HA	17	1.21
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	18	1.21
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	19	1.21
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	2	1.21
(1,129)	1:748:A:LYS:H	1:748:A:LYS:HB3	17	1.21
(1,69)	1:709:A:GLN:HA	1:736:A:LEU:HG	17	1.21
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	11	1.21
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	3	1.21
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	3	1.21
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	4	1.2
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	4	1.2
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	11	1.2
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	11	1.2
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	11	1.2
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	11	1.2
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG21	14	1.2
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG22	14	1.2
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG23	14	1.2
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG21	14	1.2
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG22	14	1.2
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG23	14	1.2
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	4	1.2
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	4	1.2
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	16	1.2
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	16	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	17	1.2
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	17	1.2
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG2	1	1.2
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG3	1	1.2
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	6	1.2
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	6	1.2
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	6	1.2
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	6	1.2
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	20	1.2
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	20	1.2
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	20	1.2
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	20	1.2
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB2	11	1.2
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB3	11	1.2
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	4	1.2
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	6	1.2
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	6	1.2
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	7	1.2
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	7	1.2
(1,930)	1:709:A:GLN:H	1:770:A:ILE:HB	20	1.2
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	1	1.2
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	16	1.2
(1,478)	1:727:A:LYS:HA	1:727:A:LYS:HD2	10	1.2
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB1	14	1.2
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB2	14	1.2
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB3	14	1.2
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	8	1.2
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	11	1.2
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	11	1.2
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	11	1.2
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	16	1.2
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	16	1.2
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	16	1.2
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	11	1.19
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	11	1.19
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG11	6	1.19
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG12	6	1.19
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG13	6	1.19
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG21	6	1.19
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG22	6	1.19
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG23	6	1.19
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG11	6	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG12	6	1.19
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG13	6	1.19
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG21	6	1.19
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG22	6	1.19
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG23	6	1.19
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG2	10	1.19
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG3	10	1.19
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG2	10	1.19
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG3	10	1.19
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG2	10	1.19
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG3	10	1.19
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD11	9	1.19
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD12	9	1.19
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD13	9	1.19
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD21	9	1.19
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD22	9	1.19
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD23	9	1.19
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	17	1.19
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	17	1.19
(1,1180)	1:720:A:THR:H	1:723:A:ASP:HB2	12	1.19
(1,1180)	1:720:A:THR:H	1:723:A:ASP:HB3	12	1.19
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	11	1.19
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	11	1.19
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	11	1.19
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	11	1.19
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	13	1.19
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	13	1.19
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	13	1.19
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	13	1.19
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	18	1.19
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	18	1.19
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	18	1.19
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	18	1.19
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	3	1.19
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	3	1.19
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD11	17	1.19
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD12	17	1.19
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD13	17	1.19
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD21	17	1.19
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD22	17	1.19
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD23	17	1.19
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	5	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	5	1.19
(1,936)	1:709:A:GLN:HA	1:734:A:ARG:H	6	1.19
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	2	1.19
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	5	1.19
(1,584)	1:796:A:PRO:HA	1:839:A:TRP:HB2	16	1.19
(1,478)	1:727:A:LYS:HA	1:727:A:LYS:HD2	3	1.19
(1,464)	1:712:A:ALA:H	1:732:A:ILE:HB	19	1.19
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	14	1.19
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	13	1.19
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	14	1.19
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	20	1.19
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	20	1.19
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	20	1.19
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	14	1.18
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	14	1.18
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	16	1.18
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	16	1.18
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	17	1.18
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	17	1.18
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	17	1.18
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	17	1.18
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	1	1.18
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	1	1.18
(1,1129)	1:707:A:VAL:HG11	1:774:A:ALA:HB1	11	1.18
(1,1129)	1:707:A:VAL:HG11	1:774:A:ALA:HB2	11	1.18
(1,1129)	1:707:A:VAL:HG11	1:774:A:ALA:HB3	11	1.18
(1,1129)	1:707:A:VAL:HG12	1:774:A:ALA:HB1	11	1.18
(1,1129)	1:707:A:VAL:HG12	1:774:A:ALA:HB2	11	1.18
(1,1129)	1:707:A:VAL:HG12	1:774:A:ALA:HB3	11	1.18
(1,1129)	1:707:A:VAL:HG13	1:774:A:ALA:HB1	11	1.18
(1,1129)	1:707:A:VAL:HG13	1:774:A:ALA:HB2	11	1.18
(1,1129)	1:707:A:VAL:HG13	1:774:A:ALA:HB3	11	1.18
(1,1129)	1:707:A:VAL:HG21	1:774:A:ALA:HB1	11	1.18
(1,1129)	1:707:A:VAL:HG21	1:774:A:ALA:HB2	11	1.18
(1,1129)	1:707:A:VAL:HG21	1:774:A:ALA:HB3	11	1.18
(1,1129)	1:707:A:VAL:HG22	1:774:A:ALA:HB1	11	1.18
(1,1129)	1:707:A:VAL:HG22	1:774:A:ALA:HB2	11	1.18
(1,1129)	1:707:A:VAL:HG22	1:774:A:ALA:HB3	11	1.18
(1,1129)	1:707:A:VAL:HG23	1:774:A:ALA:HB1	11	1.18
(1,1129)	1:707:A:VAL:HG23	1:774:A:ALA:HB2	11	1.18
(1,1129)	1:707:A:VAL:HG23	1:774:A:ALA:HB3	11	1.18
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	18	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	11	1.18
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	11	1.18
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	14	1.18
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	14	1.18
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	15	1.18
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	15	1.18
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	15	1.18
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	1	1.18
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	1	1.18
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	1	1.18
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	4	1.18
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	9	1.18
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	5	1.18
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	17	1.18
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	17	1.18
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB2	15	1.17
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB3	15	1.17
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB2	15	1.17
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB3	15	1.17
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	1	1.17
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	1	1.17
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	10	1.17
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	10	1.17
(1,1408)	1:797:A:TRP:HB2	1:823:A:ILE:HG12	12	1.17
(1,1408)	1:797:A:TRP:HB2	1:823:A:ILE:HG13	12	1.17
(1,1408)	1:797:A:TRP:HB3	1:823:A:ILE:HG12	12	1.17
(1,1408)	1:797:A:TRP:HB3	1:823:A:ILE:HG13	12	1.17
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	17	1.17
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	17	1.17
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	18	1.17
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	18	1.17
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	16	1.17
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	16	1.17
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	16	1.17
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	16	1.17
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB2	19	1.17
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB3	19	1.17
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB2	19	1.17
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB3	19	1.17
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB2	19	1.17
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB3	19	1.17
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	5	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	5	1.17
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	10	1.17
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	10	1.17
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	13	1.17
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	13	1.17
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	1	1.17
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	1	1.17
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG21	13	1.17
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG22	13	1.17
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG23	13	1.17
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG21	13	1.17
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG22	13	1.17
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG23	13	1.17
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	19	1.17
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	19	1.17
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD1	16	1.17
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD2	16	1.17
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	16	1.17
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	16	1.17
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	16	1.17
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	20	1.17
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	20	1.17
(1,914)	1:795:A:VAL:H	1:798:A:GLY:H	17	1.17
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	8	1.17
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	9	1.17
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	14	1.17
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	14	1.17
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	14	1.17
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	18	1.17
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	18	1.17
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	18	1.17
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	7	1.17
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	7	1.17
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	7	1.17
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	18	1.17
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	18	1.17
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	18	1.17
(1,274)	1:754:A:ASP:HB2	1:759:A:THR:HB	11	1.17
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	2	1.17
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	4	1.17
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	14	1.16
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	14	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	6	1.16
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	6	1.16
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	2	1.16
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	2	1.16
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	2	1.16
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	2	1.16
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	1	1.16
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	1	1.16
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	1	1.16
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	1	1.16
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	1	1.16
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	1	1.16
(1,1150)	1:714:A:ASN:HB2	1:716:A:GLY:H	11	1.16
(1,1150)	1:714:A:ASN:HB3	1:716:A:GLY:H	11	1.16
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	8	1.16
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	8	1.16
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	8	1.16
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	8	1.16
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	8	1.16
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	8	1.16
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD11	8	1.16
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD12	8	1.16
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD13	8	1.16
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD21	8	1.16
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD22	8	1.16
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD23	8	1.16
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	18	1.16
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	18	1.16
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	19	1.16
(1,936)	1:709:A:GLN:HA	1:734:A:ARG:H	3	1.16
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	10	1.16
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	12	1.16
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	2	1.16
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	12	1.16
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB1	7	1.16
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB2	7	1.16
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB3	7	1.16
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	15	1.16
(1,140)	1:738:A:VAL:HA	1:752:A:VAL:HA	8	1.16
(1,69)	1:709:A:GLN:HA	1:736:A:LEU:HG	11	1.16
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	1	1.15
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	1	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	1	1.15
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	1	1.15
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	17	1.15
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	17	1.15
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	17	1.15
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	17	1.15
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	2	1.15
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	2	1.15
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	15	1.15
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	15	1.15
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	1	1.15
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	1	1.15
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	4	1.15
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	4	1.15
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	12	1.15
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	12	1.15
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	15	1.15
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	15	1.15
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB2	17	1.15
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB3	17	1.15
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB2	17	1.15
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB3	17	1.15
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD11	3	1.15
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD12	3	1.15
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD13	3	1.15
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD21	3	1.15
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD22	3	1.15
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD23	3	1.15
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD11	3	1.15
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD12	3	1.15
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD13	3	1.15
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD21	3	1.15
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD22	3	1.15
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD23	3	1.15
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	19	1.15
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	19	1.15
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	19	1.15
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	19	1.15
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	11	1.15
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	11	1.15
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	11	1.15
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	11	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	11	1.15
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	11	1.15
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG21	16	1.15
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG22	16	1.15
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG23	16	1.15
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG21	16	1.15
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG22	16	1.15
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG23	16	1.15
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	11	1.15
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	11	1.15
(1,1079)	1:794:A:THR:HA	1:839:A:TRP:HD1	11	1.15
(1,888)	1:799:A:THR:H	1:801:A:ASN:H	7	1.15
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	10	1.15
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	6	1.15
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	17	1.15
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	19	1.15
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	2	1.15
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	2	1.15
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	2	1.15
(1,515)	1:793:A:HIS:HA	1:803:A:VAL:HA	5	1.15
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	11	1.15
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	17	1.15
(1,359)	1:832:A:THR:HG21	1:837:A:SER:HA	16	1.15
(1,359)	1:832:A:THR:HG22	1:837:A:SER:HA	16	1.15
(1,359)	1:832:A:THR:HG23	1:837:A:SER:HA	16	1.15
(1,303)	1:825:A:LYS:HA	1:825:A:LYS:HD3	7	1.15
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	15	1.15
(1,229)	1:705:A:SER:HA	1:739:A:THR:HA	14	1.15
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	12	1.15
(1,132)	1:787:A:LYS:HA	1:812:A:ASP:HA	18	1.15
(1,38)	1:815:A:PHE:HA	1:833:A:VAL:HA	8	1.15
(1,1449)	1:825:A:LYS:HB2	1:825:A:LYS:HE2	7	1.14
(1,1449)	1:825:A:LYS:HB2	1:825:A:LYS:HE3	7	1.14
(1,1449)	1:825:A:LYS:HB3	1:825:A:LYS:HE2	7	1.14
(1,1449)	1:825:A:LYS:HB3	1:825:A:LYS:HE3	7	1.14
(1,1442)	1:821:A:GLN:HB2	1:828:A:TYR:HB2	15	1.14
(1,1442)	1:821:A:GLN:HB2	1:828:A:TYR:HB3	15	1.14
(1,1442)	1:821:A:GLN:HB3	1:828:A:TYR:HB2	15	1.14
(1,1442)	1:821:A:GLN:HB3	1:828:A:TYR:HB3	15	1.14
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	18	1.14
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	18	1.14
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	9	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	9	1.14
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	18	1.14
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	18	1.14
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	15	1.14
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	15	1.14
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	15	1.14
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	15	1.14
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB2	17	1.14
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB3	17	1.14
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	10	1.14
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	10	1.14
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	6	1.14
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	6	1.14
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	6	1.14
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	6	1.14
(1,1152)	1:715:A:SER:HB2	1:718:A:TYR:HE1	4	1.14
(1,1152)	1:715:A:SER:HB2	1:718:A:TYR:HE2	4	1.14
(1,1152)	1:715:A:SER:HB3	1:718:A:TYR:HE1	4	1.14
(1,1152)	1:715:A:SER:HB3	1:718:A:TYR:HE2	4	1.14
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	2	1.14
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	2	1.14
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	2	1.14
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	2	1.14
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	2	1.14
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	2	1.14
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	2	1.14
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	2	1.14
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	20	1.14
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	20	1.14
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	8	1.14
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	8	1.14
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	8	1.14
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	1	1.14
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	20	1.14
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	18	1.14
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	14	1.14
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	14	1.14
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	14	1.14
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	7	1.14
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	7	1.14
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	7	1.14
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	3	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	3	1.14
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	3	1.14
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	5	1.14
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	8	1.14
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	4	1.14
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	11	1.14
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	11	1.14
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	11	1.14
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	9	1.13
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	9	1.13
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	11	1.13
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	11	1.13
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	7	1.13
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	7	1.13
(1,1361)	1:788:A:PRO:HB2	1:808:A:SER:HA	1	1.13
(1,1361)	1:788:A:PRO:HB3	1:808:A:SER:HA	1	1.13
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	9	1.13
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	9	1.13
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	20	1.13
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	20	1.13
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	11	1.13
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	11	1.13
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	2	1.13
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	2	1.13
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE1	5	1.13
(1,946)	1:771:A:TYR:H	1:771:A:TYR:HE2	5	1.13
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	20	1.13
(1,515)	1:793:A:HIS:HA	1:803:A:VAL:HA	17	1.13
(1,433)	1:825:A:LYS:HA	1:825:A:LYS:HD2	6	1.13
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	20	1.13
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	20	1.13
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	20	1.13
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	12	1.13
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	1	1.13
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	7	1.13
(1,253)	1:713:A:LYS:HA	1:713:A:LYS:HD3	14	1.13
(1,69)	1:709:A:GLN:HA	1:736:A:LEU:HG	1	1.13
(1,38)	1:815:A:PHE:HA	1:833:A:VAL:HA	13	1.13
(1,38)	1:815:A:PHE:HA	1:833:A:VAL:HA	20	1.13
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	16	1.13
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	16	1.13
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	16	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	2	1.13
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	2	1.13
(1,1449)	1:825:A:LYS:HB2	1:825:A:LYS:HE2	10	1.12
(1,1449)	1:825:A:LYS:HB2	1:825:A:LYS:HE3	10	1.12
(1,1449)	1:825:A:LYS:HB3	1:825:A:LYS:HE2	10	1.12
(1,1449)	1:825:A:LYS:HB3	1:825:A:LYS:HE3	10	1.12
(1,1373)	1:791:A:LYS:HB2	1:793:A:HIS:HE1	5	1.12
(1,1373)	1:791:A:LYS:HB3	1:793:A:HIS:HE1	5	1.12
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	13	1.12
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	13	1.12
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG21	16	1.12
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG22	16	1.12
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG23	16	1.12
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG21	16	1.12
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG22	16	1.12
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG23	16	1.12
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG21	16	1.12
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG22	16	1.12
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG23	16	1.12
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG21	16	1.12
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG22	16	1.12
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG23	16	1.12
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG21	16	1.12
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG22	16	1.12
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG23	16	1.12
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG21	16	1.12
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG22	16	1.12
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG23	16	1.12
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	5	1.12
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	5	1.12
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG11	4	1.12
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG12	4	1.12
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG13	4	1.12
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG21	4	1.12
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG22	4	1.12
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG23	4	1.12
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG11	5	1.12
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG12	5	1.12
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG13	5	1.12
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG21	5	1.12
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG22	5	1.12
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG23	5	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG11	5	1.12
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG12	5	1.12
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG13	5	1.12
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG21	5	1.12
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG22	5	1.12
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG23	5	1.12
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	18	1.12
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	18	1.12
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	11	1.12
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	11	1.12
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	16	1.12
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	16	1.12
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	16	1.12
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	16	1.12
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	17	1.12
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	17	1.12
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	17	1.12
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	17	1.12
(1,1139)	1:709:A:GLN:HG2	1:770:A:ILE:HB	4	1.12
(1,1139)	1:709:A:GLN:HG3	1:770:A:ILE:HB	4	1.12
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	16	1.12
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	16	1.12
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	16	1.12
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	10	1.12
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	10	1.12
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	12	1.12
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	3	1.12
(1,842)	1:737:A:SER:H	1:755:A:TYR:H	17	1.12
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	18	1.12
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	18	1.12
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	18	1.12
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	13	1.12
(1,433)	1:825:A:LYS:HA	1:825:A:LYS:HD2	15	1.12
(1,359)	1:832:A:THR:HG21	1:837:A:SER:HA	8	1.12
(1,359)	1:832:A:THR:HG22	1:837:A:SER:HA	8	1.12
(1,359)	1:832:A:THR:HG23	1:837:A:SER:HA	8	1.12
(1,351)	1:711:A:ASN:H	1:769:A:VAL:HA	17	1.12
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	12	1.12
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	13	1.12
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	5	1.11
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	5	1.11
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	12	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	12	1.11
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	5	1.11
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	5	1.11
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	5	1.11
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	15	1.11
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	15	1.11
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	15	1.11
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	14	1.11
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	17	1.11
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	10	1.11
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	10	1.11
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	10	1.11
(1,515)	1:793:A:HIS:HA	1:803:A:VAL:HA	20	1.11
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	16	1.11
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	17	1.11
(1,433)	1:825:A:LYS:HA	1:825:A:LYS:HD2	12	1.11
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	11	1.11
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB1	3	1.11
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB2	3	1.11
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB3	3	1.11
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB1	15	1.11
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB2	15	1.11
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB3	15	1.11
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	7	1.11
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	7	1.11
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	7	1.11
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	8	1.11
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	15	1.1
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	15	1.1
(1,1373)	1:791:A:LYS:HB2	1:793:A:HIS:HE1	20	1.1
(1,1373)	1:791:A:LYS:HB3	1:793:A:HIS:HE1	20	1.1
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	9	1.1
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	9	1.1
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB2	5	1.1
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB3	5	1.1
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB2	5	1.1
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB3	5	1.1
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB2	5	1.1
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB3	5	1.1
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD11	4	1.1
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD12	4	1.1
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD13	4	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD21	4	1.1
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD22	4	1.1
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD23	4	1.1
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD11	4	1.1
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD12	4	1.1
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD13	4	1.1
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD21	4	1.1
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD22	4	1.1
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD23	4	1.1
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	10	1.1
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	10	1.1
(1,1150)	1:714:A:ASN:HB2	1:716:A:GLY:H	3	1.1
(1,1150)	1:714:A:ASN:HB3	1:716:A:GLY:H	3	1.1
(1,1141)	1:710:A:ILE:HG12	1:711:A:ASN:H	16	1.1
(1,1141)	1:710:A:ILE:HG13	1:711:A:ASN:H	16	1.1
(1,1112)	1:704:A:ASN:HB2	1:740:A:LYS:HA	2	1.1
(1,1112)	1:704:A:ASN:HB3	1:740:A:LYS:HA	2	1.1
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	18	1.1
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	18	1.1
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	18	1.1
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	18	1.1
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	18	1.1
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	18	1.1
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	15	1.1
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	2	1.1
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	2	1.1
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	9	1.1
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	9	1.1
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	17	1.1
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	17	1.1
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	15	1.1
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	7	1.1
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	10	1.1
(1,433)	1:825:A:LYS:HA	1:825:A:LYS:HD2	1	1.1
(1,424)	1:708:A:ALA:HA	1:771:A:TYR:HA	8	1.1
(1,351)	1:711:A:ASN:H	1:769:A:VAL:HA	10	1.1
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	7	1.1
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	15	1.1
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	18	1.1
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	14	1.1
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	14	1.1
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	14	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:825:A:LYS:HA	1:825:A:LYS:HD3	19	1.1
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	2	1.1
(1,38)	1:815:A:PHE:HA	1:833:A:VAL:HA	1	1.1
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	1	1.1
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	1	1.1
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	15	1.1
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	15	1.1
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	19	1.1
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	19	1.1
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	3	1.09
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	3	1.09
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	15	1.09
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	15	1.09
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB2	14	1.09
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB3	14	1.09
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB2	14	1.09
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB3	14	1.09
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB2	14	1.09
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB3	14	1.09
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB2	18	1.09
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB3	18	1.09
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB2	18	1.09
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB3	18	1.09
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	15	1.09
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	15	1.09
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	15	1.09
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	15	1.09
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	8	1.09
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	8	1.09
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	8	1.09
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	8	1.09
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	8	1.09
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	8	1.09
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	8	1.09
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	8	1.09
(1,936)	1:709:A:GLN:HA	1:734:A:ARG:H	15	1.09
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	19	1.09
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	6	1.09
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	6	1.09
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	6	1.09
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	9	1.09
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	9	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	9	1.09
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	1	1.09
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	19	1.09
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	12	1.09
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	1	1.09
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	14	1.09
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	6	1.09
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	6	1.09
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	4	1.08
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	4	1.08
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB2	13	1.08
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB3	13	1.08
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB2	2	1.08
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB3	2	1.08
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB2	2	1.08
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB3	2	1.08
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB2	2	1.08
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB3	2	1.08
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	7	1.08
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	7	1.08
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	11	1.08
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	11	1.08
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD11	7	1.08
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD12	7	1.08
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD13	7	1.08
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD21	7	1.08
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD22	7	1.08
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD23	7	1.08
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD11	7	1.08
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD12	7	1.08
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD13	7	1.08
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD21	7	1.08
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD22	7	1.08
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD23	7	1.08
(1,1180)	1:720:A:THR:H	1:723:A:ASP:HB2	7	1.08
(1,1180)	1:720:A:THR:H	1:723:A:ASP:HB3	7	1.08
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	1	1.08
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	1	1.08
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	1	1.08
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	1	1.08
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	1	1.08
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	1	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	18	1.08
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	18	1.08
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	18	1.08
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	18	1.08
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	18	1.08
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	18	1.08
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG11	11	1.08
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG12	11	1.08
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG13	11	1.08
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG21	11	1.08
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG22	11	1.08
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG23	11	1.08
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	11	1.08
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	11	1.08
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	11	1.08
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	11	1.08
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	11	1.08
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	11	1.08
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG21	4	1.08
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG22	4	1.08
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG23	4	1.08
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG21	4	1.08
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG22	4	1.08
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG23	4	1.08
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	5	1.08
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	1	1.08
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	1	1.08
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	12	1.08
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	12	1.08
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE1	4	1.08
(1,1046)	1:750:A:TYR:HA	1:750:A:TYR:HE2	4	1.08
(1,924)	1:845:A:LEU:H	1:845:A:LEU:HB3	8	1.08
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	19	1.08
(1,675)	1:749:A:PHE:HA	1:766:A:GLN:H	3	1.08
(1,589)	1:749:A:PHE:HA	1:765:A:LYS:HA	2	1.08
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	4	1.08
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	1	1.08
(1,433)	1:825:A:LYS:HA	1:825:A:LYS:HD2	3	1.08
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	5	1.08
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	5	1.08
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	5	1.08
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	3	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	6	1.08
(1,1373)	1:791:A:LYS:HB2	1:793:A:HIS:HE1	11	1.07
(1,1373)	1:791:A:LYS:HB3	1:793:A:HIS:HE1	11	1.07
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	16	1.07
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	16	1.07
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	15	1.07
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	15	1.07
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB2	13	1.07
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB3	13	1.07
(1,1318)	1:777:A:PRO:HB2	1:821:A:GLN:HB2	6	1.07
(1,1318)	1:777:A:PRO:HB2	1:821:A:GLN:HB3	6	1.07
(1,1318)	1:777:A:PRO:HB3	1:821:A:GLN:HB2	6	1.07
(1,1318)	1:777:A:PRO:HB3	1:821:A:GLN:HB3	6	1.07
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG21	9	1.07
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG22	9	1.07
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG23	9	1.07
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG21	9	1.07
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG22	9	1.07
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG23	9	1.07
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	8	1.07
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	8	1.07
(1,1281)	1:754:A:ASP:HB2	1:759:A:THR:HB	14	1.07
(1,1281)	1:754:A:ASP:HB3	1:759:A:THR:HB	14	1.07
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	9	1.07
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	9	1.07
(1,1157)	1:716:A:GLY:HA2	1:729:A:THR:HG21	7	1.07
(1,1157)	1:716:A:GLY:HA2	1:729:A:THR:HG22	7	1.07
(1,1157)	1:716:A:GLY:HA2	1:729:A:THR:HG23	7	1.07
(1,1157)	1:716:A:GLY:HA3	1:729:A:THR:HG21	7	1.07
(1,1157)	1:716:A:GLY:HA3	1:729:A:THR:HG22	7	1.07
(1,1157)	1:716:A:GLY:HA3	1:729:A:THR:HG23	7	1.07
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	20	1.07
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	20	1.07
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	20	1.07
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	20	1.07
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	20	1.07
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	20	1.07
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	4	1.07
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	4	1.07
(1,924)	1:845:A:LEU:H	1:845:A:LEU:HB3	5	1.07
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	2	1.07
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	2	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	2	1.07
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	16	1.07
(1,861)	1:823:A:ILE:HB	1:828:A:TYR:H	13	1.07
(1,722)	1:702:A:THR:H	1:741:A:ALA:HB1	1	1.07
(1,722)	1:702:A:THR:H	1:741:A:ALA:HB2	1	1.07
(1,722)	1:702:A:THR:H	1:741:A:ALA:HB3	1	1.07
(1,675)	1:749:A:PHE:HA	1:766:A:GLN:H	11	1.07
(1,595)	1:709:A:GLN:HA	1:735:A:THR:HA	6	1.07
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	11	1.07
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	2	1.07
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	2	1.07
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	2	1.07
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	2	1.07
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	2	1.07
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	2	1.07
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	2	1.07
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	2	1.07
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	2	1.07
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	5	1.07
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	5	1.07
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	5	1.07
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	10	1.07
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	10	1.07
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	10	1.07
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	13	1.07
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	9	1.07
(1,132)	1:787:A:LYS:HA	1:812:A:ASP:HA	1	1.07
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	17	1.07
(1,41)	1:754:A:ASP:HB3	1:759:A:THR:HB	13	1.07
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	7	1.07
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	7	1.07
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	20	1.07
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	20	1.07
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	20	1.07
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	11	1.07
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	11	1.07
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	6	1.06
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	6	1.06
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	11	1.06
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	11	1.06
(1,1373)	1:791:A:LYS:HB2	1:793:A:HIS:HE1	7	1.06
(1,1373)	1:791:A:LYS:HB3	1:793:A:HIS:HE1	7	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1373)	1:791:A:LYS:HB2	1:793:A:HIS:HE1	8	1.06
(1,1373)	1:791:A:LYS:HB3	1:793:A:HIS:HE1	8	1.06
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG21	20	1.06
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG22	20	1.06
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG23	20	1.06
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG21	20	1.06
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG22	20	1.06
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG23	20	1.06
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	17	1.06
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	17	1.06
(1,1198)	1:725:A:LYS:HA	1:725:A:LYS:HE2	16	1.06
(1,1198)	1:725:A:LYS:HA	1:725:A:LYS:HE3	16	1.06
(1,1198)	1:725:A:LYS:HA	1:725:A:LYS:HE2	20	1.06
(1,1198)	1:725:A:LYS:HA	1:725:A:LYS:HE3	20	1.06
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	2	1.06
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	2	1.06
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	2	1.06
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	2	1.06
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	13	1.06
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	3	1.06
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	3	1.06
(1,979)	1:699:A:LEU:HA	1:743:A:THR:H	12	1.06
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	19	1.06
(1,861)	1:823:A:ILE:HB	1:828:A:TYR:H	2	1.06
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	4	1.06
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG21	20	1.06
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG22	20	1.06
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG23	20	1.06
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	12	1.06
(1,433)	1:825:A:LYS:HA	1:825:A:LYS:HD2	16	1.06
(1,359)	1:832:A:THR:HG21	1:837:A:SER:HA	12	1.06
(1,359)	1:832:A:THR:HG22	1:837:A:SER:HA	12	1.06
(1,359)	1:832:A:THR:HG23	1:837:A:SER:HA	12	1.06
(1,132)	1:787:A:LYS:HA	1:812:A:ASP:HA	11	1.06
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	20	1.06
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	17	1.06
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	17	1.06
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	17	1.06
(1,1373)	1:791:A:LYS:HB2	1:793:A:HIS:HE1	19	1.05
(1,1373)	1:791:A:LYS:HB3	1:793:A:HIS:HE1	19	1.05
(1,1318)	1:777:A:PRO:HB2	1:821:A:GLN:HB2	10	1.05
(1,1318)	1:777:A:PRO:HB2	1:821:A:GLN:HB3	10	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:777:A:PRO:HB3	1:821:A:GLN:HB2	10	1.05
(1,1318)	1:777:A:PRO:HB3	1:821:A:GLN:HB3	10	1.05
(1,1119)	1:706:A:GLY:HA2	1:773:A:THR:HA	7	1.05
(1,1119)	1:706:A:GLY:HA3	1:773:A:THR:HA	7	1.05
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	8	1.05
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	8	1.05
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	8	1.05
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	8	1.05
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	8	1.05
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	8	1.05
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	15	1.05
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	15	1.05
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE1	18	1.05
(1,1082)	1:844:A:TYR:HA	1:844:A:TYR:HE2	18	1.05
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	9	1.05
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	11	1.05
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	11	1.05
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	11	1.05
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	10	1.05
(1,861)	1:823:A:ILE:HB	1:828:A:TYR:H	6	1.05
(1,861)	1:823:A:ILE:HB	1:828:A:TYR:H	14	1.05
(1,731)	1:714:A:ASN:HA	1:716:A:GLY:H	10	1.05
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	10	1.05
(1,433)	1:825:A:LYS:HA	1:825:A:LYS:HD2	14	1.05
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	20	1.05
(1,391)	1:734:A:ARG:HA	1:799:A:THR:H	4	1.05
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	8	1.05
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	8	1.05
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	8	1.05
(1,303)	1:825:A:LYS:HA	1:825:A:LYS:HD3	13	1.05
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	18	1.05
(1,196)	1:710:A:ILE:HA	1:770:A:ILE:H	5	1.05
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	20	1.05
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	20	1.05
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	20	1.05
(1,69)	1:709:A:GLN:HA	1:736:A:LEU:HG	15	1.05
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	10	1.05
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	10	1.05
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	12	1.05
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	12	1.05
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	13	1.05
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	13	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	17	1.05
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	17	1.05
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	9	1.04
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	9	1.04
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB2	3	1.04
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB3	3	1.04
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB2	3	1.04
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB3	3	1.04
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	7	1.04
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	7	1.04
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	18	1.04
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	18	1.04
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD11	8	1.04
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD12	8	1.04
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD13	8	1.04
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD21	8	1.04
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD22	8	1.04
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD23	8	1.04
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD11	8	1.04
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD12	8	1.04
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD13	8	1.04
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD21	8	1.04
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD22	8	1.04
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD23	8	1.04
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG21	5	1.04
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG22	5	1.04
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG23	5	1.04
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG21	5	1.04
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG22	5	1.04
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG23	5	1.04
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG21	20	1.04
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG22	20	1.04
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG23	20	1.04
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG21	20	1.04
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG22	20	1.04
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG23	20	1.04
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	17	1.04
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD1	11	1.04
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD2	11	1.04
(1,861)	1:823:A:ILE:HB	1:828:A:TYR:H	3	1.04
(1,861)	1:823:A:ILE:HB	1:828:A:TYR:H	9	1.04
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	20	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:780:A:ILE:HD11	1:819:A:LYS:H	14	1.04
(1,834)	1:780:A:ILE:HD12	1:819:A:LYS:H	14	1.04
(1,834)	1:780:A:ILE:HD13	1:819:A:LYS:H	14	1.04
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	7	1.04
(1,701)	1:778:A:VAL:HB	1:821:A:GLN:H	10	1.04
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	9	1.04
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	9	1.04
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	9	1.04
(1,433)	1:825:A:LYS:HA	1:825:A:LYS:HD2	4	1.04
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	10	1.04
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB1	2	1.04
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB2	2	1.04
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB3	2	1.04
(1,343)	1:820:A:GLN:HB3	1:829:A:LEU:HG	18	1.04
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	2	1.04
(1,229)	1:705:A:SER:HA	1:739:A:THR:HA	20	1.04
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	6	1.04
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	15	1.04
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	18	1.04
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	18	1.04
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	18	1.04
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	5	1.03
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	5	1.03
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	15	1.03
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	15	1.03
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	15	1.03
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	15	1.03
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	15	1.03
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	15	1.03
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	6	1.03
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	6	1.03
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	11	1.03
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	11	1.03
(1,1198)	1:725:A:LYS:HA	1:725:A:LYS:HE2	6	1.03
(1,1198)	1:725:A:LYS:HA	1:725:A:LYS:HE3	6	1.03
(1,1173)	1:718:A:TYR:HB2	1:723:A:ASP:HB2	1	1.03
(1,1173)	1:718:A:TYR:HB2	1:723:A:ASP:HB3	1	1.03
(1,1173)	1:718:A:TYR:HB3	1:723:A:ASP:HB2	1	1.03
(1,1173)	1:718:A:TYR:HB3	1:723:A:ASP:HB3	1	1.03
(1,997)	1:753:A:GLY:HA3	1:761:A:TYR:H	3	1.03
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	14	1.03
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	7	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	7	1.03
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	7	1.03
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	15	1.03
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	11	1.03
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	3	1.03
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG21	1	1.03
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG22	1	1.03
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG23	1	1.03
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	15	1.03
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	17	1.03
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	18	1.03
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	7	1.03
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB1	2	1.03
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB2	2	1.03
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB3	2	1.03
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB1	2	1.03
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB2	2	1.03
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB3	2	1.03
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB1	2	1.03
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB2	2	1.03
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB3	2	1.03
(1,303)	1:825:A:LYS:HA	1:825:A:LYS:HD3	9	1.03
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	11	1.03
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	1	1.03
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	11	1.03
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	17	1.03
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	17	1.03
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	17	1.03
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	8	1.03
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	8	1.03
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG21	19	1.02
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG22	19	1.02
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG23	19	1.02
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG21	19	1.02
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG22	19	1.02
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG23	19	1.02
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG12	20	1.02
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG13	20	1.02
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	8	1.02
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	8	1.02
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB2	4	1.02
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB3	4	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB2	4	1.02
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB3	4	1.02
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG2	19	1.02
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG3	19	1.02
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	8	1.02
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	8	1.02
(1,1219)	1:737:A:SER:HB2	1:755:A:TYR:HA	19	1.02
(1,1219)	1:737:A:SER:HB3	1:755:A:TYR:HA	19	1.02
(1,1198)	1:725:A:LYS:HA	1:725:A:LYS:HE2	10	1.02
(1,1198)	1:725:A:LYS:HA	1:725:A:LYS:HE3	10	1.02
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD11	3	1.02
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD12	3	1.02
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD13	3	1.02
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD21	3	1.02
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD22	3	1.02
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD23	3	1.02
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD11	3	1.02
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD12	3	1.02
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD13	3	1.02
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD21	3	1.02
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD22	3	1.02
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD23	3	1.02
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD11	20	1.02
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD12	20	1.02
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD13	20	1.02
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD21	20	1.02
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD22	20	1.02
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD23	20	1.02
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD11	20	1.02
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD12	20	1.02
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD13	20	1.02
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD21	20	1.02
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD22	20	1.02
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD23	20	1.02
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG2	11	1.02
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG3	11	1.02
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB1	4	1.02
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB2	4	1.02
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB3	4	1.02
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB1	4	1.02
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB2	4	1.02
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB3	4	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB1	4	1.02
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB2	4	1.02
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB3	4	1.02
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB1	4	1.02
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB2	4	1.02
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB3	4	1.02
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB1	4	1.02
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB2	4	1.02
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB3	4	1.02
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB1	4	1.02
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB2	4	1.02
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB3	4	1.02
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	6	1.02
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	11	1.02
(1,871)	1:709:A:GLN:HA	1:733:A:GLN:H	7	1.02
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	17	1.02
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	17	1.02
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	17	1.02
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	7	1.02
(1,515)	1:793:A:HIS:HA	1:803:A:VAL:HA	16	1.02
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	13	1.02
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	13	1.02
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	13	1.02
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	16	1.02
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	16	1.02
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	16	1.02
(1,206)	1:713:A:LYS:HA	1:713:A:LYS:HE2	13	1.02
(1,164)	1:829:A:LEU:H	1:839:A:TRP:HA	15	1.02
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	15	1.02
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	8	1.02
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	8	1.02
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	8	1.02
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	11	1.02
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	11	1.02
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	11	1.02
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	12	1.02
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	12	1.02
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	12	1.02
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	18	1.02
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	18	1.02
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	18	1.02
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	3	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	5	1.02
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	5	1.02
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	1	1.02
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	1	1.02
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	1	1.02
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	8	1.02
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	8	1.02
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	8	1.02
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB2	16	1.01
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB3	16	1.01
(1,1373)	1:791:A:LYS:HB2	1:793:A:HIS:HE1	17	1.01
(1,1373)	1:791:A:LYS:HB3	1:793:A:HIS:HE1	17	1.01
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	8	1.01
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	8	1.01
(1,1215)	1:736:A:LEU:HB2	1:752:A:VAL:HB	19	1.01
(1,1215)	1:736:A:LEU:HB3	1:752:A:VAL:HB	19	1.01
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	19	1.01
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	19	1.01
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	20	1.01
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	20	1.01
(1,924)	1:845:A:LEU:H	1:845:A:LEU:HB3	12	1.01
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	4	1.01
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	15	1.01
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	17	1.01
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	1	1.01
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	1	1.01
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	1	1.01
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	2	1.01
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	2	1.01
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	2	1.01
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	15	1.01
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	15	1.01
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	15	1.01
(1,734)	1:754:A:ASP:H	1:760:A:ASN:HA	13	1.01
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG21	6	1.01
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG22	6	1.01
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG23	6	1.01
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	6	1.01
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	15	1.01
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	15	1.01
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	15	1.01
(1,605)	1:810:A:LYS:HA	1:810:A:LYS:HE2	14	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD21	10	1.01
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD22	10	1.01
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD23	10	1.01
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	7	1.01
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	12	1.01
(1,359)	1:832:A:THR:HG21	1:837:A:SER:HA	19	1.01
(1,359)	1:832:A:THR:HG22	1:837:A:SER:HA	19	1.01
(1,359)	1:832:A:THR:HG23	1:837:A:SER:HA	19	1.01
(1,343)	1:820:A:GLN:HB3	1:829:A:LEU:HG	19	1.01
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	12	1.01
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	12	1.01
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	12	1.01
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	16	1.01
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD11	12	1.01
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD12	12	1.01
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD13	12	1.01
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	14	1.01
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	14	1.01
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	14	1.01
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	14	1.01
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	2	1.01
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB2	4	1.0
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB3	4	1.0
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG21	3	1.0
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG22	3	1.0
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG23	3	1.0
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG21	3	1.0
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG22	3	1.0
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG23	3	1.0
(1,1219)	1:737:A:SER:HB2	1:755:A:TYR:HA	6	1.0
(1,1219)	1:737:A:SER:HB3	1:755:A:TYR:HA	6	1.0
(1,1219)	1:737:A:SER:HB2	1:755:A:TYR:HA	10	1.0
(1,1219)	1:737:A:SER:HB3	1:755:A:TYR:HA	10	1.0
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	18	1.0
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	18	1.0
(1,1118)	1:706:A:GLY:HA2	1:772:A:ASN:H	7	1.0
(1,1118)	1:706:A:GLY:HA3	1:772:A:ASN:H	7	1.0
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB1	5	1.0
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB2	5	1.0
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB3	5	1.0
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB1	5	1.0
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB2	5	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB3	5	1.0
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB1	5	1.0
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB2	5	1.0
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB3	5	1.0
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB1	5	1.0
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB2	5	1.0
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB3	5	1.0
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB1	5	1.0
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB2	5	1.0
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB3	5	1.0
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB1	5	1.0
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB2	5	1.0
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB3	5	1.0
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG11	8	1.0
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG12	8	1.0
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG13	8	1.0
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG21	8	1.0
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG22	8	1.0
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG23	8	1.0
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG21	12	1.0
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG22	12	1.0
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG23	12	1.0
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG21	12	1.0
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG22	12	1.0
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG23	12	1.0
(1,863)	1:728:A:THR:HG21	1:729:A:THR:H	3	1.0
(1,863)	1:728:A:THR:HG22	1:729:A:THR:H	3	1.0
(1,863)	1:728:A:THR:HG23	1:729:A:THR:H	3	1.0
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	5	1.0
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	5	1.0
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	5	1.0
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	8	1.0
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	8	1.0
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	8	1.0
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	19	1.0
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	19	1.0
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	19	1.0
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	7	1.0
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	8	1.0
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	18	1.0
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	11	1.0
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	11	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	11	1.0
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	19	1.0
(1,416)	1:716:A:GLY:HA3	1:728:A:THR:HA	15	1.0
(1,391)	1:734:A:ARG:HA	1:799:A:THR:H	9	1.0
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	15	1.0
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	15	1.0
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	15	1.0
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	17	1.0
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	17	1.0
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	17	1.0
(1,303)	1:825:A:LYS:HA	1:825:A:LYS:HD3	17	1.0
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD11	17	1.0
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD12	17	1.0
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD13	17	1.0
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	17	1.0
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	1	1.0
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	3	1.0
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	11	1.0
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	12	1.0
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	4	1.0
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	4	1.0
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	15	1.0
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	15	1.0
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	10	0.99
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	10	0.99
(1,1386)	1:792:A:LEU:HD11	1:806:A:THR:HA	17	0.99
(1,1386)	1:792:A:LEU:HD12	1:806:A:THR:HA	17	0.99
(1,1386)	1:792:A:LEU:HD13	1:806:A:THR:HA	17	0.99
(1,1386)	1:792:A:LEU:HD21	1:806:A:THR:HA	17	0.99
(1,1386)	1:792:A:LEU:HD22	1:806:A:THR:HA	17	0.99
(1,1386)	1:792:A:LEU:HD23	1:806:A:THR:HA	17	0.99
(1,1243)	1:744:A:LEU:HB2	1:747:A:LYS:H	6	0.99
(1,1243)	1:744:A:LEU:HB3	1:747:A:LYS:H	6	0.99
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG2	6	0.99
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG3	6	0.99
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG2	6	0.99
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG3	6	0.99
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG2	6	0.99
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG3	6	0.99
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	7	0.99
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	8	0.99
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	9	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	12	0.99
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	7	0.99
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	7	0.99
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	7	0.99
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	9	0.99
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	9	0.99
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	9	0.99
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	12	0.99
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	12	0.99
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	12	0.99
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	2	0.99
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	13	0.99
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	7	0.99
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	17	0.99
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	17	0.99
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	17	0.99
(1,485)	1:725:A:LYS:H	1:725:A:LYS:HG3	17	0.99
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	9	0.99
(1,303)	1:825:A:LYS:HA	1:825:A:LYS:HD3	2	0.99
(1,303)	1:825:A:LYS:HA	1:825:A:LYS:HD3	20	0.99
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	2	0.99
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	4	0.99
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	10	0.99
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	16	0.99
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	18	0.99
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	18	0.99
(1,1307)	1:770:A:ILE:HG12	1:771:A:TYR:H	14	0.98
(1,1307)	1:770:A:ILE:HG13	1:771:A:TYR:H	14	0.98
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	2	0.98
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	2	0.98
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB2	12	0.98
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB3	12	0.98
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB2	12	0.98
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB3	12	0.98
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD11	4	0.98
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD12	4	0.98
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD13	4	0.98
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD21	4	0.98
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD22	4	0.98
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD23	4	0.98
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	4	0.98
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	4	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1180)	1:720:A:THR:H	1:723:A:ASP:HB2	1	0.98
(1,1180)	1:720:A:THR:H	1:723:A:ASP:HB3	1	0.98
(1,1139)	1:709:A:GLN:HG2	1:770:A:ILE:HB	8	0.98
(1,1139)	1:709:A:GLN:HG3	1:770:A:ILE:HB	8	0.98
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	4	0.98
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	4	0.98
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	4	0.98
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	4	0.98
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	4	0.98
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	4	0.98
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG21	17	0.98
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG22	17	0.98
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG23	17	0.98
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG21	17	0.98
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG22	17	0.98
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG23	17	0.98
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	17	0.98
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	4	0.98
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	4	0.98
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	4	0.98
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	10	0.98
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	10	0.98
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	10	0.98
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	11	0.98
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	11	0.98
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	11	0.98
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	16	0.98
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	16	0.98
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	16	0.98
(1,834)	1:780:A:ILE:HD11	1:819:A:LYS:H	17	0.98
(1,834)	1:780:A:ILE:HD12	1:819:A:LYS:H	17	0.98
(1,834)	1:780:A:ILE:HD13	1:819:A:LYS:H	17	0.98
(1,572)	1:700:A:THR:H	1:743:A:THR:HB	12	0.98
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	2	0.98
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	10	0.98
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	7	0.98
(1,424)	1:708:A:ALA:HA	1:771:A:TYR:HA	4	0.98
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	6	0.98
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	17	0.98
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	17	0.98
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	17	0.98
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	16	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	3	0.98
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	11	0.98
(1,132)	1:787:A:LYS:HA	1:812:A:ASP:HA	8	0.98
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	5	0.98
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	18	0.98
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	9	0.98
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	14	0.98
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	14	0.98
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	19	0.98
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	19	0.98
(1,1373)	1:791:A:LYS:HB2	1:793:A:HIS:HE1	16	0.97
(1,1373)	1:791:A:LYS:HB3	1:793:A:HIS:HE1	16	0.97
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	8	0.97
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	8	0.97
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	7	0.97
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	7	0.97
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	8	0.97
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	8	0.97
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG2	12	0.97
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG3	12	0.97
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	14	0.97
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	14	0.97
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	14	0.97
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	14	0.97
(1,1152)	1:715:A:SER:HB2	1:718:A:TYR:HE1	2	0.97
(1,1152)	1:715:A:SER:HB2	1:718:A:TYR:HE2	2	0.97
(1,1152)	1:715:A:SER:HB3	1:718:A:TYR:HE1	2	0.97
(1,1152)	1:715:A:SER:HB3	1:718:A:TYR:HE2	2	0.97
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB2	20	0.97
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB3	20	0.97
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	7	0.97
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	8	0.97
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	8	0.97
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	8	0.97
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	10	0.97
(1,861)	1:823:A:ILE:HB	1:828:A:TYR:H	1	0.97
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	20	0.97
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	20	0.97
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	20	0.97
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	5	0.97
(1,664)	1:717:A:LEU:H	1:717:A:LEU:HG	20	0.97
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	10	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	9	0.97
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	17	0.97
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	4	0.97
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	10	0.97
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	10	0.97
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	10	0.97
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	10	0.97
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	10	0.97
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	10	0.97
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	10	0.97
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	10	0.97
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	10	0.97
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	3	0.97
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	11	0.97
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	11	0.97
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	11	0.97
(1,391)	1:734:A:ARG:HA	1:799:A:THR:H	6	0.97
(1,359)	1:832:A:THR:HG21	1:837:A:SER:HA	7	0.97
(1,359)	1:832:A:THR:HG22	1:837:A:SER:HA	7	0.97
(1,359)	1:832:A:THR:HG23	1:837:A:SER:HA	7	0.97
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	2	0.97
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	1	0.97
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	1	0.97
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	1	0.97
(1,211)	1:752:A:VAL:H	1:764:A:VAL:HB	3	0.97
(1,196)	1:710:A:ILE:HA	1:770:A:ILE:H	8	0.97
(1,193)	1:706:A:GLY:HA3	1:773:A:THR:HA	7	0.97
(1,1317)	1:777:A:PRO:HB2	1:820:A:GLN:H	12	0.96
(1,1317)	1:777:A:PRO:HB3	1:820:A:GLN:H	12	0.96
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	12	0.96
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	12	0.96
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	16	0.96
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	16	0.96
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	2	0.96
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	2	0.96
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	7	0.96
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	7	0.96
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	7	0.96
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	7	0.96
(1,1152)	1:715:A:SER:HB2	1:718:A:TYR:HE1	7	0.96
(1,1152)	1:715:A:SER:HB2	1:718:A:TYR:HE2	7	0.96
(1,1152)	1:715:A:SER:HB3	1:718:A:TYR:HE1	7	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1152)	1:715:A:SER:HB3	1:718:A:TYR:HE2	7	0.96
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	13	0.96
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	13	0.96
(1,1112)	1:704:A:ASN:HB2	1:740:A:LYS:HA	8	0.96
(1,1112)	1:704:A:ASN:HB3	1:740:A:LYS:HA	8	0.96
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG11	2	0.96
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG12	2	0.96
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG13	2	0.96
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG21	2	0.96
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG22	2	0.96
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG23	2	0.96
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG11	2	0.96
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG12	2	0.96
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG13	2	0.96
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG21	2	0.96
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG22	2	0.96
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG23	2	0.96
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG11	3	0.96
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG12	3	0.96
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG13	3	0.96
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG21	3	0.96
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG22	3	0.96
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG23	3	0.96
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG11	17	0.96
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG12	17	0.96
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG13	17	0.96
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG21	17	0.96
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG22	17	0.96
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG23	17	0.96
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG21	15	0.96
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG22	15	0.96
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG23	15	0.96
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG21	15	0.96
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG22	15	0.96
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG23	15	0.96
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	20	0.96
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	4	0.96
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	4	0.96
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	4	0.96
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	14	0.96
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	14	0.96
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	14	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	9	0.96
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	11	0.96
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	3	0.96
(1,664)	1:717:A:LEU:H	1:717:A:LEU:HG	19	0.96
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	4	0.96
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	16	0.96
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	19	0.96
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	20	0.96
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	20	0.96
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	20	0.96
(1,303)	1:825:A:LYS:HA	1:825:A:LYS:HD3	8	0.96
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	13	0.96
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD11	13	0.96
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD12	13	0.96
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD13	13	0.96
(1,196)	1:710:A:ILE:HA	1:770:A:ILE:H	9	0.96
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	4	0.96
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	9	0.96
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	9	0.96
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	20	0.96
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	20	0.96
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	9	0.95
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	9	0.95
(1,1384)	1:792:A:LEU:HB2	1:805:A:GLY:HA2	13	0.95
(1,1384)	1:792:A:LEU:HB2	1:805:A:GLY:HA3	13	0.95
(1,1384)	1:792:A:LEU:HB3	1:805:A:GLY:HA2	13	0.95
(1,1384)	1:792:A:LEU:HB3	1:805:A:GLY:HA3	13	0.95
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG12	10	0.95
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG13	10	0.95
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	13	0.95
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	13	0.95
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	19	0.95
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	19	0.95
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD11	2	0.95
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD12	2	0.95
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD13	2	0.95
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD21	2	0.95
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD22	2	0.95
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD23	2	0.95
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD11	2	0.95
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD12	2	0.95
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD13	2	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD21	2	0.95
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD22	2	0.95
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD23	2	0.95
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD11	20	0.95
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD12	20	0.95
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD13	20	0.95
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD21	20	0.95
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD22	20	0.95
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD23	20	0.95
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD11	20	0.95
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD12	20	0.95
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD13	20	0.95
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD21	20	0.95
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD22	20	0.95
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD23	20	0.95
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	12	0.95
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	12	0.95
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	12	0.95
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	12	0.95
(1,1150)	1:714:A:ASN:HB2	1:716:A:GLY:H	17	0.95
(1,1150)	1:714:A:ASN:HB3	1:716:A:GLY:H	17	0.95
(1,1128)	1:707:A:VAL:HG11	1:772:A:ASN:HB2	4	0.95
(1,1128)	1:707:A:VAL:HG11	1:772:A:ASN:HB3	4	0.95
(1,1128)	1:707:A:VAL:HG12	1:772:A:ASN:HB2	4	0.95
(1,1128)	1:707:A:VAL:HG12	1:772:A:ASN:HB3	4	0.95
(1,1128)	1:707:A:VAL:HG13	1:772:A:ASN:HB2	4	0.95
(1,1128)	1:707:A:VAL:HG13	1:772:A:ASN:HB3	4	0.95
(1,1128)	1:707:A:VAL:HG21	1:772:A:ASN:HB2	4	0.95
(1,1128)	1:707:A:VAL:HG21	1:772:A:ASN:HB3	4	0.95
(1,1128)	1:707:A:VAL:HG22	1:772:A:ASN:HB2	4	0.95
(1,1128)	1:707:A:VAL:HG22	1:772:A:ASN:HB3	4	0.95
(1,1128)	1:707:A:VAL:HG23	1:772:A:ASN:HB2	4	0.95
(1,1128)	1:707:A:VAL:HG23	1:772:A:ASN:HB3	4	0.95
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG21	18	0.95
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG22	18	0.95
(1,1092)	1:698:A:GLN:HG2	1:700:A:THR:HG23	18	0.95
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG21	18	0.95
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG22	18	0.95
(1,1092)	1:698:A:GLN:HG3	1:700:A:THR:HG23	18	0.95
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	20	0.95
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	20	0.95
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	20	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	8	0.95
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	12	0.95
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	11	0.95
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	10	0.95
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	14	0.95
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG21	15	0.95
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG22	15	0.95
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG23	15	0.95
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	3	0.95
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	10	0.95
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	10	0.95
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	10	0.95
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	8	0.95
(1,605)	1:810:A:LYS:HA	1:810:A:LYS:HE2	7	0.95
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	20	0.95
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	6	0.95
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	10	0.95
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	6	0.95
(1,359)	1:832:A:THR:HG21	1:837:A:SER:HA	9	0.95
(1,359)	1:832:A:THR:HG22	1:837:A:SER:HA	9	0.95
(1,359)	1:832:A:THR:HG23	1:837:A:SER:HA	9	0.95
(1,176)	1:709:A:GLN:HB2	1:734:A:ARG:H	3	0.95
(1,48)	1:743:A:THR:HG21	1:745:A:GLY:H	4	0.95
(1,48)	1:743:A:THR:HG22	1:745:A:GLY:H	4	0.95
(1,48)	1:743:A:THR:HG23	1:745:A:GLY:H	4	0.95
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG21	3	0.94
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG22	3	0.94
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG23	3	0.94
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG21	3	0.94
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG22	3	0.94
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG23	3	0.94
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG21	4	0.94
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG22	4	0.94
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG23	4	0.94
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG21	4	0.94
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG22	4	0.94
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG23	4	0.94
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	3	0.94
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	3	0.94
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG11	9	0.94
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG12	9	0.94
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG13	9	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG21	9	0.94
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG22	9	0.94
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG23	9	0.94
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG11	9	0.94
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG12	9	0.94
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG13	9	0.94
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG21	9	0.94
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG22	9	0.94
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG23	9	0.94
(1,1220)	1:737:A:SER:HB2	1:755:A:TYR:HB2	1	0.94
(1,1220)	1:737:A:SER:HB2	1:755:A:TYR:HB3	1	0.94
(1,1220)	1:737:A:SER:HB3	1:755:A:TYR:HB2	1	0.94
(1,1220)	1:737:A:SER:HB3	1:755:A:TYR:HB3	1	0.94
(1,1204)	1:727:A:LYS:HD2	1:728:A:THR:H	10	0.94
(1,1204)	1:727:A:LYS:HD3	1:728:A:THR:H	10	0.94
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	15	0.94
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	15	0.94
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD11	15	0.94
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD12	15	0.94
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD13	15	0.94
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD21	15	0.94
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD22	15	0.94
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD23	15	0.94
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	9	0.94
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	9	0.94
(1,1166)	1:717:A:LEU:HD11	1:764:A:VAL:HB	17	0.94
(1,1166)	1:717:A:LEU:HD12	1:764:A:VAL:HB	17	0.94
(1,1166)	1:717:A:LEU:HD13	1:764:A:VAL:HB	17	0.94
(1,1166)	1:717:A:LEU:HD21	1:764:A:VAL:HB	17	0.94
(1,1166)	1:717:A:LEU:HD22	1:764:A:VAL:HB	17	0.94
(1,1166)	1:717:A:LEU:HD23	1:764:A:VAL:HB	17	0.94
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	11	0.94
(1,1057)	1:750:A:TYR:HD1	1:766:A:GLN:HA	6	0.94
(1,1057)	1:750:A:TYR:HD2	1:766:A:GLN:HA	6	0.94
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	6	0.94
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	6	0.94
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	6	0.94
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	16	0.94
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	17	0.94
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	13	0.94
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	13	0.94
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	13	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	12	0.94
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	6	0.94
(1,711)	1:793:A:HIS:H	1:793:A:HIS:HE1	2	0.94
(1,605)	1:810:A:LYS:HA	1:810:A:LYS:HE2	13	0.94
(1,485)	1:725:A:LYS:H	1:725:A:LYS:HG3	20	0.94
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	6	0.94
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	6	0.94
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	6	0.94
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	6	0.94
(1,154)	1:810:A:LYS:H	1:810:A:LYS:HE3	4	0.94
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	20	0.94
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	4	0.94
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	4	0.94
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	4	0.94
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	2	0.93
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	2	0.93
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	4	0.93
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	4	0.93
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	4	0.93
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	4	0.93
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG11	19	0.93
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG12	19	0.93
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG13	19	0.93
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG21	19	0.93
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG22	19	0.93
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG23	19	0.93
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG11	19	0.93
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG12	19	0.93
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG13	19	0.93
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG21	19	0.93
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG22	19	0.93
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG23	19	0.93
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	1	0.93
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	1	0.93
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD11	14	0.93
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD12	14	0.93
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD13	14	0.93
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD21	14	0.93
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD22	14	0.93
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD23	14	0.93
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	14	0.93
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	14	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	3	0.93
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	3	0.93
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	3	0.93
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	3	0.93
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	3	0.93
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	3	0.93
(1,1112)	1:704:A:ASN:HB2	1:740:A:LYS:HA	16	0.93
(1,1112)	1:704:A:ASN:HB3	1:740:A:LYS:HA	16	0.93
(1,863)	1:728:A:THR:HG21	1:729:A:THR:H	12	0.93
(1,863)	1:728:A:THR:HG22	1:729:A:THR:H	12	0.93
(1,863)	1:728:A:THR:HG23	1:729:A:THR:H	12	0.93
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	3	0.93
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	3	0.93
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	3	0.93
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	6	0.93
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	6	0.93
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	6	0.93
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	7	0.93
(1,711)	1:793:A:HIS:H	1:793:A:HIS:HE1	4	0.93
(1,711)	1:793:A:HIS:H	1:793:A:HIS:HE1	7	0.93
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	18	0.93
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	5	0.93
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	5	0.93
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	5	0.93
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	2	0.93
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	20	0.93
(1,595)	1:709:A:GLN:HA	1:735:A:THR:HA	3	0.93
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	17	0.93
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB1	15	0.93
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB2	15	0.93
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB3	15	0.93
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	4	0.93
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	4	0.93
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	4	0.93
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	17	0.93
(1,69)	1:709:A:GLN:HA	1:736:A:LEU:HG	13	0.93
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	11	0.93
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	11	0.93
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	20	0.93
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	20	0.93
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	3	0.93
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	3	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	3	0.93
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	6	0.93
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	6	0.93
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	6	0.93
(1,1397)	1:794:A:THR:H	1:802:A:GLN:HG2	13	0.92
(1,1397)	1:794:A:THR:H	1:802:A:GLN:HG3	13	0.92
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	10	0.92
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	10	0.92
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	10	0.92
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	10	0.92
(1,1318)	1:777:A:PRO:HB2	1:821:A:GLN:HB2	8	0.92
(1,1318)	1:777:A:PRO:HB2	1:821:A:GLN:HB3	8	0.92
(1,1318)	1:777:A:PRO:HB3	1:821:A:GLN:HB2	8	0.92
(1,1318)	1:777:A:PRO:HB3	1:821:A:GLN:HB3	8	0.92
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	12	0.92
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	12	0.92
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	3	0.92
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	3	0.92
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	18	0.92
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	18	0.92
(1,1119)	1:706:A:GLY:HA2	1:773:A:THR:HA	17	0.92
(1,1119)	1:706:A:GLY:HA3	1:773:A:THR:HA	17	0.92
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG11	5	0.92
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG12	5	0.92
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG13	5	0.92
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG21	5	0.92
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG22	5	0.92
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG23	5	0.92
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	19	0.92
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	12	0.92
(1,863)	1:728:A:THR:HG21	1:729:A:THR:H	13	0.92
(1,863)	1:728:A:THR:HG22	1:729:A:THR:H	13	0.92
(1,863)	1:728:A:THR:HG23	1:729:A:THR:H	13	0.92
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	16	0.92
(1,834)	1:780:A:ILE:HD11	1:819:A:LYS:H	15	0.92
(1,834)	1:780:A:ILE:HD12	1:819:A:LYS:H	15	0.92
(1,834)	1:780:A:ILE:HD13	1:819:A:LYS:H	15	0.92
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	2	0.92
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	11	0.92
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	18	0.92
(1,711)	1:793:A:HIS:H	1:793:A:HIS:HE1	1	0.92
(1,711)	1:793:A:HIS:H	1:793:A:HIS:HE1	13	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	20	0.92
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	20	0.92
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	20	0.92
(1,643)	1:706:A:GLY:HA2	1:773:A:THR:HA	7	0.92
(1,605)	1:810:A:LYS:HA	1:810:A:LYS:HE2	6	0.92
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	9	0.92
(1,346)	1:707:A:VAL:HB	1:735:A:THR:HG21	4	0.92
(1,346)	1:707:A:VAL:HB	1:735:A:THR:HG22	4	0.92
(1,346)	1:707:A:VAL:HB	1:735:A:THR:HG23	4	0.92
(1,343)	1:820:A:GLN:HB3	1:829:A:LEU:HG	10	0.92
(1,331)	1:752:A:VAL:HG21	1:762:A:GLY:H	19	0.92
(1,331)	1:752:A:VAL:HG22	1:762:A:GLY:H	19	0.92
(1,331)	1:752:A:VAL:HG23	1:762:A:GLY:H	19	0.92
(1,229)	1:705:A:SER:HA	1:739:A:THR:HA	1	0.92
(1,184)	1:708:A:ALA:HB1	1:769:A:VAL:HB	4	0.92
(1,184)	1:708:A:ALA:HB2	1:769:A:VAL:HB	4	0.92
(1,184)	1:708:A:ALA:HB3	1:769:A:VAL:HB	4	0.92
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	13	0.92
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	13	0.92
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	13	0.92
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	14	0.92
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	14	0.92
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB2	3	0.91
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB3	3	0.91
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB2	6	0.91
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB3	6	0.91
(1,1112)	1:704:A:ASN:HB2	1:740:A:LYS:HA	6	0.91
(1,1112)	1:704:A:ASN:HB3	1:740:A:LYS:HA	6	0.91
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG11	16	0.91
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG12	16	0.91
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG13	16	0.91
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG21	16	0.91
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG22	16	0.91
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG23	16	0.91
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	2	0.91
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	14	0.91
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	17	0.91
(1,1065)	1:761:A:TYR:HA	1:761:A:TYR:HE1	18	0.91
(1,1065)	1:761:A:TYR:HA	1:761:A:TYR:HE2	18	0.91
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	18	0.91
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	18	0.91
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	18	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:780:A:ILE:HD11	1:781:A:ASN:H	20	0.91
(1,823)	1:780:A:ILE:HD12	1:781:A:ASN:H	20	0.91
(1,823)	1:780:A:ILE:HD13	1:781:A:ASN:H	20	0.91
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	4	0.91
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	15	0.91
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	16	0.91
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	17	0.91
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	20	0.91
(1,810)	1:839:A:TRP:HE3	1:840:A:ILE:H	2	0.91
(1,711)	1:793:A:HIS:H	1:793:A:HIS:HE1	8	0.91
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	5	0.91
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	5	0.91
(1,643)	1:706:A:GLY:HA2	1:773:A:THR:HA	12	0.91
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	1	0.91
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	14	0.91
(1,359)	1:832:A:THR:HG21	1:837:A:SER:HA	11	0.91
(1,359)	1:832:A:THR:HG22	1:837:A:SER:HA	11	0.91
(1,359)	1:832:A:THR:HG23	1:837:A:SER:HA	11	0.91
(1,211)	1:752:A:VAL:H	1:764:A:VAL:HB	6	0.91
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	3	0.91
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	19	0.91
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	3	0.91
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	3	0.91
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	2	0.91
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	2	0.91
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	2	0.91
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD11	13	0.9
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD12	13	0.9
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD13	13	0.9
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD21	13	0.9
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD22	13	0.9
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD23	13	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD11	13	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD12	13	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD13	13	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD21	13	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD22	13	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD23	13	0.9
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD11	15	0.9
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD12	15	0.9
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD13	15	0.9
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD21	15	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD22	15	0.9
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD23	15	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD11	15	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD12	15	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD13	15	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD21	15	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD22	15	0.9
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD23	15	0.9
(1,1127)	1:707:A:VAL:HG11	1:772:A:ASN:H	4	0.9
(1,1127)	1:707:A:VAL:HG12	1:772:A:ASN:H	4	0.9
(1,1127)	1:707:A:VAL:HG13	1:772:A:ASN:H	4	0.9
(1,1127)	1:707:A:VAL:HG21	1:772:A:ASN:H	4	0.9
(1,1127)	1:707:A:VAL:HG22	1:772:A:ASN:H	4	0.9
(1,1127)	1:707:A:VAL:HG23	1:772:A:ASN:H	4	0.9
(1,1119)	1:706:A:GLY:HA2	1:773:A:THR:HA	12	0.9
(1,1119)	1:706:A:GLY:HA3	1:773:A:THR:HA	12	0.9
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	9	0.9
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	16	0.9
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	19	0.9
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	3	0.9
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	4	0.9
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	4	0.9
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	4	0.9
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	10	0.9
(1,556)	1:783:A:THR:HG21	1:816:A:LYS:HA	4	0.9
(1,556)	1:783:A:THR:HG22	1:816:A:LYS:HA	4	0.9
(1,556)	1:783:A:THR:HG23	1:816:A:LYS:HA	4	0.9
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	12	0.9
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	12	0.9
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	12	0.9
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	12	0.9
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	12	0.9
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	12	0.9
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	12	0.9
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	12	0.9
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	12	0.9
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	1	0.9
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	1	0.9
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	1	0.9
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	19	0.9
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	19	0.9
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	19	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	12	0.9
(1,502)	1:842:A:LYS:HA	1:842:A:LYS:HG3	16	0.9
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	10	0.9
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD12	10	0.9
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD13	10	0.9
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD11	10	0.9
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD12	10	0.9
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD13	10	0.9
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD11	10	0.9
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD12	10	0.9
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD13	10	0.9
(1,464)	1:712:A:ALA:H	1:732:A:ILE:HB	7	0.9
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	15	0.9
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	13	0.9
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	10	0.9
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	10	0.9
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	10	0.9
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	17	0.9
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	2	0.9
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	18	0.9
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	3	0.9
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	10	0.9
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	10	0.9
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	10	0.9
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	4	0.89
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	4	0.89
(1,1373)	1:791:A:LYS:HB2	1:793:A:HIS:HE1	2	0.89
(1,1373)	1:791:A:LYS:HB3	1:793:A:HIS:HE1	2	0.89
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD11	13	0.89
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD12	13	0.89
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD13	13	0.89
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD21	13	0.89
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD22	13	0.89
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD23	13	0.89
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB2	14	0.89
(1,1237)	1:741:A:ALA:HA	1:749:A:PHE:HB3	14	0.89
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	1	0.89
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	1	0.89
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA2	10	0.89
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA3	10	0.89
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA2	10	0.89
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA3	10	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1112)	1:704:A:ASN:HB2	1:740:A:LYS:HA	3	0.89
(1,1112)	1:704:A:ASN:HB3	1:740:A:LYS:HA	3	0.89
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	12	0.89
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	1	0.89
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	3	0.89
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	12	0.89
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD1	5	0.89
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD2	5	0.89
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	12	0.89
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	17	0.89
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	17	0.89
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	17	0.89
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	5	0.89
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	7	0.89
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	13	0.89
(1,863)	1:728:A:THR:HG21	1:729:A:THR:H	6	0.89
(1,863)	1:728:A:THR:HG22	1:729:A:THR:H	6	0.89
(1,863)	1:728:A:THR:HG23	1:729:A:THR:H	6	0.89
(1,844)	1:735:A:THR:H	1:735:A:THR:HG21	18	0.89
(1,844)	1:735:A:THR:H	1:735:A:THR:HG22	18	0.89
(1,844)	1:735:A:THR:H	1:735:A:THR:HG23	18	0.89
(1,711)	1:793:A:HIS:H	1:793:A:HIS:HE1	16	0.89
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	20	0.89
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	20	0.89
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	13	0.89
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD11	1	0.89
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD12	1	0.89
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD13	1	0.89
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD11	1	0.89
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD12	1	0.89
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD13	1	0.89
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD11	1	0.89
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD12	1	0.89
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD13	1	0.89
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD11	15	0.89
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD12	15	0.89
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD13	15	0.89
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD11	15	0.89
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD12	15	0.89
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD13	15	0.89
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD11	15	0.89
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD12	15	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD13	15	0.89
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	12	0.89
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	2	0.89
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD12	2	0.89
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD13	2	0.89
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD11	2	0.89
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD12	2	0.89
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD13	2	0.89
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD11	2	0.89
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD12	2	0.89
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD13	2	0.89
(1,418)	1:716:A:GLY:HA2	1:728:A:THR:HA	10	0.89
(1,359)	1:832:A:THR:HG21	1:837:A:SER:HA	1	0.89
(1,359)	1:832:A:THR:HG22	1:837:A:SER:HA	1	0.89
(1,359)	1:832:A:THR:HG23	1:837:A:SER:HA	1	0.89
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	10	0.89
(1,225)	1:732:A:ILE:HB	1:732:A:ILE:HD11	3	0.89
(1,225)	1:732:A:ILE:HB	1:732:A:ILE:HD12	3	0.89
(1,225)	1:732:A:ILE:HB	1:732:A:ILE:HD13	3	0.89
(1,225)	1:732:A:ILE:HB	1:732:A:ILE:HD11	6	0.89
(1,225)	1:732:A:ILE:HB	1:732:A:ILE:HD12	6	0.89
(1,225)	1:732:A:ILE:HB	1:732:A:ILE:HD13	6	0.89
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	6	0.89
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	6	0.89
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	6	0.89
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD11	3	0.89
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD12	3	0.89
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD13	3	0.89
(1,196)	1:710:A:ILE:HA	1:770:A:ILE:H	15	0.89
(1,132)	1:787:A:LYS:HA	1:812:A:ASP:HA	3	0.89
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	7	0.89
(1,48)	1:743:A:THR:HG21	1:745:A:GLY:H	11	0.89
(1,48)	1:743:A:THR:HG22	1:745:A:GLY:H	11	0.89
(1,48)	1:743:A:THR:HG23	1:745:A:GLY:H	11	0.89
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE1	2	0.89
(1,24)	1:830:A:TYR:HA	1:830:A:TYR:HE2	2	0.89
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	15	0.88
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	15	0.88
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	14	0.88
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	14	0.88
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	3	0.88
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	3	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	3	0.88
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	3	0.88
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	3	0.88
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	3	0.88
(1,1311)	1:775:A:LYS:H	1:822:A:GLN:HB2	17	0.88
(1,1311)	1:775:A:LYS:H	1:822:A:GLN:HB3	17	0.88
(1,1219)	1:737:A:SER:HB2	1:755:A:TYR:HA	3	0.88
(1,1219)	1:737:A:SER:HB3	1:755:A:TYR:HA	3	0.88
(1,1219)	1:737:A:SER:HB2	1:755:A:TYR:HA	8	0.88
(1,1219)	1:737:A:SER:HB3	1:755:A:TYR:HA	8	0.88
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD11	9	0.88
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD12	9	0.88
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD13	9	0.88
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD21	9	0.88
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD22	9	0.88
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD23	9	0.88
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD11	9	0.88
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD12	9	0.88
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD13	9	0.88
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD21	9	0.88
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD22	9	0.88
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD23	9	0.88
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	5	0.88
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	5	0.88
(1,1127)	1:707:A:VAL:HG11	1:772:A:ASN:H	18	0.88
(1,1127)	1:707:A:VAL:HG12	1:772:A:ASN:H	18	0.88
(1,1127)	1:707:A:VAL:HG13	1:772:A:ASN:H	18	0.88
(1,1127)	1:707:A:VAL:HG21	1:772:A:ASN:H	18	0.88
(1,1127)	1:707:A:VAL:HG22	1:772:A:ASN:H	18	0.88
(1,1127)	1:707:A:VAL:HG23	1:772:A:ASN:H	18	0.88
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	5	0.88
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	5	0.88
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	5	0.88
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	5	0.88
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	5	0.88
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	5	0.88
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	3	0.88
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	5	0.88
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	6	0.88
(1,979)	1:699:A:LEU:HA	1:743:A:THR:H	14	0.88
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	14	0.88
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	6	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	14	0.88
(1,842)	1:737:A:SER:H	1:755:A:TYR:H	8	0.88
(1,834)	1:780:A:ILE:HD11	1:819:A:LYS:H	8	0.88
(1,834)	1:780:A:ILE:HD12	1:819:A:LYS:H	8	0.88
(1,834)	1:780:A:ILE:HD13	1:819:A:LYS:H	8	0.88
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	7	0.88
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	8	0.88
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	14	0.88
(1,711)	1:793:A:HIS:H	1:793:A:HIS:HE1	3	0.88
(1,711)	1:793:A:HIS:H	1:793:A:HIS:HE1	15	0.88
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	1	0.88
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	6	0.88
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	3	0.88
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD11	2	0.88
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD12	2	0.88
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD13	2	0.88
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD11	2	0.88
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD12	2	0.88
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD13	2	0.88
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD11	2	0.88
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD12	2	0.88
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD13	2	0.88
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	4	0.88
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	4	0.88
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	4	0.88
(1,605)	1:810:A:LYS:HA	1:810:A:LYS:HE2	9	0.88
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	2	0.88
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	14	0.88
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	2	0.88
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	2	0.88
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	2	0.88
(1,502)	1:842:A:LYS:HA	1:842:A:LYS:HG3	2	0.88
(1,391)	1:734:A:ARG:HA	1:799:A:THR:H	14	0.88
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD11	6	0.88
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD12	6	0.88
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD13	6	0.88
(1,94)	1:710:A:ILE:H	1:732:A:ILE:HA	7	0.88
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	4	0.88
(1,1442)	1:821:A:GLN:HB2	1:828:A:TYR:HB2	12	0.87
(1,1442)	1:821:A:GLN:HB2	1:828:A:TYR:HB3	12	0.87
(1,1442)	1:821:A:GLN:HB3	1:828:A:TYR:HB2	12	0.87
(1,1442)	1:821:A:GLN:HB3	1:828:A:TYR:HB3	12	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:820:A:GLN:HB2	1:828:A:TYR:H	1	0.87
(1,1440)	1:820:A:GLN:HB3	1:828:A:TYR:H	1	0.87
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	6	0.87
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	6	0.87
(1,1373)	1:791:A:LYS:HB2	1:793:A:HIS:HE1	4	0.87
(1,1373)	1:791:A:LYS:HB3	1:793:A:HIS:HE1	4	0.87
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG11	20	0.87
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG12	20	0.87
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG13	20	0.87
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG21	20	0.87
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG22	20	0.87
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG23	20	0.87
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	18	0.87
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	18	0.87
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	18	0.87
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	18	0.87
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG2	14	0.87
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG3	14	0.87
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	15	0.87
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	15	0.87
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB2	3	0.87
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB3	3	0.87
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	15	0.87
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	15	0.87
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	15	0.87
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	15	0.87
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	15	0.87
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	15	0.87
(1,1119)	1:706:A:GLY:HA2	1:773:A:THR:HA	5	0.87
(1,1119)	1:706:A:GLY:HA3	1:773:A:THR:HA	5	0.87
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	2	0.87
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	17	0.87
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	7	0.87
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	18	0.87
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	10	0.87
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	10	0.87
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	10	0.87
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	1	0.87
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	12	0.87
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	13	0.87
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	5	0.87
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD11	14	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD12	14	0.87
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD13	14	0.87
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD11	14	0.87
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD12	14	0.87
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD13	14	0.87
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD11	14	0.87
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD12	14	0.87
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD13	14	0.87
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	18	0.87
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	8	0.87
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	5	0.87
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD12	5	0.87
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD13	5	0.87
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD11	5	0.87
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD12	5	0.87
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD13	5	0.87
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD11	5	0.87
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD12	5	0.87
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD13	5	0.87
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	9	0.87
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD12	9	0.87
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD13	9	0.87
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD11	9	0.87
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD12	9	0.87
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD13	9	0.87
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD11	9	0.87
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD12	9	0.87
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD13	9	0.87
(1,480)	1:816:A:LYS:H	1:833:A:VAL:HA	8	0.87
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	2	0.87
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	2	0.87
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	2	0.87
(1,382)	1:794:A:THR:HA	1:794:A:THR:HG21	20	0.87
(1,382)	1:794:A:THR:HA	1:794:A:THR:HG22	20	0.87
(1,382)	1:794:A:THR:HA	1:794:A:THR:HG23	20	0.87
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	3	0.87
(1,225)	1:732:A:ILE:HB	1:732:A:ILE:HD11	19	0.87
(1,225)	1:732:A:ILE:HB	1:732:A:ILE:HD12	19	0.87
(1,225)	1:732:A:ILE:HB	1:732:A:ILE:HD13	19	0.87
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	20	0.87
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB2	19	0.86
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB3	19	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB2	19	0.86
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB3	19	0.86
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG11	14	0.86
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG12	14	0.86
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG13	14	0.86
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG21	14	0.86
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG22	14	0.86
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG23	14	0.86
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	6	0.86
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	6	0.86
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB2	11	0.86
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB3	11	0.86
(1,1373)	1:791:A:LYS:HB2	1:793:A:HIS:HE1	9	0.86
(1,1373)	1:791:A:LYS:HB3	1:793:A:HIS:HE1	9	0.86
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	6	0.86
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	6	0.86
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG11	17	0.86
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG12	17	0.86
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG13	17	0.86
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG21	17	0.86
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG22	17	0.86
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG23	17	0.86
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	1	0.86
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	1	0.86
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	15	0.86
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	15	0.86
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	15	0.86
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	15	0.86
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD11	6	0.86
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD12	6	0.86
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD13	6	0.86
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD21	6	0.86
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD22	6	0.86
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD23	6	0.86
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD11	2	0.86
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD12	2	0.86
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD13	2	0.86
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD21	2	0.86
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD22	2	0.86
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD23	2	0.86
(1,1112)	1:704:A:ASN:HB2	1:740:A:LYS:HA	19	0.86
(1,1112)	1:704:A:ASN:HB3	1:740:A:LYS:HA	19	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD11	5	0.86
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD12	5	0.86
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD13	5	0.86
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD21	5	0.86
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD22	5	0.86
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD23	5	0.86
(1,1087)	1:697:A:ASN:HB2	1:744:A:LEU:HG	9	0.86
(1,1087)	1:697:A:ASN:HB3	1:744:A:LEU:HG	9	0.86
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	11	0.86
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	13	0.86
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	19	0.86
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	17	0.86
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	17	0.86
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	17	0.86
(1,871)	1:709:A:GLN:HA	1:733:A:GLN:H	3	0.86
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	5	0.86
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	18	0.86
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	2	0.86
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	5	0.86
(1,704)	1:829:A:LEU:H	1:842:A:LYS:H	11	0.86
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	11	0.86
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	20	0.86
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD11	4	0.86
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD12	4	0.86
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD13	4	0.86
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD11	4	0.86
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD12	4	0.86
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD13	4	0.86
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD11	4	0.86
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD12	4	0.86
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD13	4	0.86
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD11	10	0.86
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD12	10	0.86
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD13	10	0.86
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD11	10	0.86
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD12	10	0.86
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD13	10	0.86
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD11	10	0.86
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD12	10	0.86
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD13	10	0.86
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	12	0.86
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	17	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	20	0.86
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	1	0.86
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	16	0.86
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	20	0.86
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	14	0.86
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	14	0.86
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	14	0.86
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	9	0.86
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	9	0.86
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	9	0.86
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	10	0.86
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG21	3	0.86
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG22	3	0.86
(1,404)	1:711:A:ASN:HA	1:799:A:THR:HG23	3	0.86
(1,333)	1:759:A:THR:HA	1:759:A:THR:HG21	13	0.86
(1,333)	1:759:A:THR:HA	1:759:A:THR:HG22	13	0.86
(1,333)	1:759:A:THR:HA	1:759:A:THR:HG23	13	0.86
(1,263)	1:748:A:LYS:H	1:748:A:LYS:HG2	10	0.86
(1,225)	1:732:A:ILE:HB	1:732:A:ILE:HD11	7	0.86
(1,225)	1:732:A:ILE:HB	1:732:A:ILE:HD12	7	0.86
(1,225)	1:732:A:ILE:HB	1:732:A:ILE:HD13	7	0.86
(1,196)	1:710:A:ILE:HA	1:770:A:ILE:H	16	0.86
(1,92)	1:710:A:ILE:HB	1:732:A:ILE:HA	3	0.86
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	5	0.86
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	10	0.85
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	10	0.85
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	1	0.85
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	1	0.85
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	3	0.85
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	3	0.85
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	3	0.85
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	3	0.85
(1,1334)	1:783:A:THR:HA	1:816:A:LYS:HG2	13	0.85
(1,1334)	1:783:A:THR:HA	1:816:A:LYS:HG3	13	0.85
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB2	14	0.85
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB3	14	0.85
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG11	20	0.85
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG12	20	0.85
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG13	20	0.85
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG21	20	0.85
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG22	20	0.85
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG23	20	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG11	20	0.85
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG12	20	0.85
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG13	20	0.85
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG21	20	0.85
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG22	20	0.85
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG23	20	0.85
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG11	20	0.85
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG12	20	0.85
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG13	20	0.85
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG21	20	0.85
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG22	20	0.85
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG23	20	0.85
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG11	20	0.85
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG12	20	0.85
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG13	20	0.85
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG21	20	0.85
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG22	20	0.85
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG23	20	0.85
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG11	20	0.85
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG12	20	0.85
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG13	20	0.85
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG21	20	0.85
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG22	20	0.85
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG23	20	0.85
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG11	20	0.85
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG12	20	0.85
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG13	20	0.85
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG21	20	0.85
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG22	20	0.85
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG23	20	0.85
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	9	0.85
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	9	0.85
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	9	0.85
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	9	0.85
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	9	0.85
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	9	0.85
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	19	0.85
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	4	0.85
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	1	0.85
(1,875)	1:794:A:THR:H	1:803:A:VAL:HA	16	0.85
(1,793)	1:782:A:GLN:H	1:817:A:ALA:H	1	0.85
(1,711)	1:793:A:HIS:H	1:793:A:HIS:HE1	12	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,711)	1:793:A:HIS:H	1:793:A:HIS:HE1	19	0.85
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	13	0.85
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	14	0.85
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	8	0.85
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD11	13	0.85
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD12	13	0.85
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD13	13	0.85
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD11	13	0.85
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD12	13	0.85
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD13	13	0.85
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD11	13	0.85
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD12	13	0.85
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD13	13	0.85
(1,605)	1:810:A:LYS:HA	1:810:A:LYS:HE2	11	0.85
(1,570)	1:757:A:THR:HB	1:759:A:THR:H	13	0.85
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	7	0.85
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	7	0.85
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	7	0.85
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	7	0.85
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	7	0.85
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	7	0.85
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	7	0.85
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	7	0.85
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	7	0.85
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	14	0.85
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	14	0.85
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	14	0.85
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	8	0.85
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	8	0.85
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	8	0.85
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	11	0.85
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	11	0.85
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	11	0.85
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	9	0.85
(1,322)	1:727:A:LYS:HA	1:727:A:LYS:HD3	10	0.85
(1,298)	1:781:A:ASN:H	1:781:A:ASN:HB2	16	0.85
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	9	0.85
(1,196)	1:710:A:ILE:HA	1:770:A:ILE:H	4	0.85
(1,154)	1:810:A:LYS:H	1:810:A:LYS:HE3	10	0.85
(1,79)	1:701:A:VAL:HA	1:742:A:ALA:HA	1	0.85
(1,69)	1:709:A:GLN:HA	1:736:A:LEU:HG	12	0.85
(1,48)	1:743:A:THR:HG21	1:745:A:GLY:H	10	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,48)	1:743:A:THR:HG22	1:745:A:GLY:H	10	0.85
(1,48)	1:743:A:THR:HG23	1:745:A:GLY:H	10	0.85
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	19	0.85
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	17	0.84
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	17	0.84
(1,1397)	1:794:A:THR:H	1:802:A:GLN:HG2	10	0.84
(1,1397)	1:794:A:THR:H	1:802:A:GLN:HG3	10	0.84
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	6	0.84
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	6	0.84
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	6	0.84
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	6	0.84
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB2	8	0.84
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB3	8	0.84
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB2	8	0.84
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB3	8	0.84
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB2	8	0.84
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB3	8	0.84
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	10	0.84
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	10	0.84
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	17	0.84
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	17	0.84
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	17	0.84
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	17	0.84
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	17	0.84
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	17	0.84
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	10	0.84
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	10	0.84
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	10	0.84
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	10	0.84
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	10	0.84
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	10	0.84
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	10	0.84
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD1	1	0.84
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD2	1	0.84
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	18	0.84
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	20	0.84
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	6	0.84
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	9	0.84
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	10	0.84
(1,820)	1:699:A:LEU:H	1:699:A:LEU:HG	19	0.84
(1,810)	1:839:A:TRP:HE3	1:840:A:ILE:H	19	0.84
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	18	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	11	0.84
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	15	0.84
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD11	11	0.84
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD12	11	0.84
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD13	11	0.84
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD11	11	0.84
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD12	11	0.84
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD13	11	0.84
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD11	11	0.84
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD12	11	0.84
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD13	11	0.84
(1,605)	1:810:A:LYS:HA	1:810:A:LYS:HE2	15	0.84
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	16	0.84
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	16	0.84
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	16	0.84
(1,515)	1:793:A:HIS:HA	1:803:A:VAL:HA	7	0.84
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	9	0.84
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	12	0.84
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	8	0.84
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	2	0.84
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB1	5	0.84
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB2	5	0.84
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB3	5	0.84
(1,351)	1:711:A:ASN:H	1:769:A:VAL:HA	20	0.84
(1,298)	1:781:A:ASN:H	1:781:A:ASN:HB2	15	0.84
(1,38)	1:815:A:PHE:HA	1:833:A:VAL:HA	19	0.84
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	15	0.84
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	15	0.84
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	15	0.84
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	9	0.84
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	11	0.83
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	11	0.83
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	19	0.83
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	19	0.83
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	19	0.83
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	19	0.83
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	19	0.83
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	19	0.83
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	15	0.83
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	2	0.83
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	1	0.83
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	19	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	1	0.83
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	11	0.83
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	11	0.83
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	14	0.83
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD11	5	0.83
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD12	5	0.83
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD13	5	0.83
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD11	5	0.83
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD12	5	0.83
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD13	5	0.83
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD11	5	0.83
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD12	5	0.83
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD13	5	0.83
(1,605)	1:810:A:LYS:HA	1:810:A:LYS:HE2	3	0.83
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	2	0.83
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	12	0.83
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	12	0.83
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	12	0.83
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	13	0.83
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	18	0.83
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	18	0.83
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	18	0.83
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	18	0.83
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	15	0.83
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	20	0.83
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	16	0.83
(1,351)	1:711:A:ASN:H	1:769:A:VAL:HA	8	0.83
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	2	0.83
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	2	0.83
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	2	0.83
(1,298)	1:781:A:ASN:H	1:781:A:ASN:HB2	14	0.83
(1,298)	1:781:A:ASN:H	1:781:A:ASN:HB2	18	0.83
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	10	0.83
(1,196)	1:710:A:ILE:HA	1:770:A:ILE:H	17	0.83
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD11	19	0.83
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD12	19	0.83
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD13	19	0.83
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	10	0.83
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	1	0.83
(1,1440)	1:820:A:GLN:HB2	1:828:A:TYR:H	7	0.82
(1,1440)	1:820:A:GLN:HB3	1:828:A:TYR:H	7	0.82
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG21	4	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG22	4	0.82
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG23	4	0.82
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG21	4	0.82
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG22	4	0.82
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG23	4	0.82
(1,1386)	1:792:A:LEU:HD11	1:806:A:THR:HA	18	0.82
(1,1386)	1:792:A:LEU:HD12	1:806:A:THR:HA	18	0.82
(1,1386)	1:792:A:LEU:HD13	1:806:A:THR:HA	18	0.82
(1,1386)	1:792:A:LEU:HD21	1:806:A:THR:HA	18	0.82
(1,1386)	1:792:A:LEU:HD22	1:806:A:THR:HA	18	0.82
(1,1386)	1:792:A:LEU:HD23	1:806:A:THR:HA	18	0.82
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG12	17	0.82
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG13	17	0.82
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	19	0.82
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	19	0.82
(1,1215)	1:736:A:LEU:HB2	1:752:A:VAL:HB	13	0.82
(1,1215)	1:736:A:LEU:HB3	1:752:A:VAL:HB	13	0.82
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	6	0.82
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	6	0.82
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	12	0.82
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	12	0.82
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	12	0.82
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	12	0.82
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG2	7	0.82
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG3	7	0.82
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	1	0.82
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	1	0.82
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG11	1	0.82
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG12	1	0.82
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG13	1	0.82
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG21	1	0.82
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG22	1	0.82
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG23	1	0.82
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG11	1	0.82
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG12	1	0.82
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG13	1	0.82
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG21	1	0.82
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG22	1	0.82
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG23	1	0.82
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG11	1	0.82
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG12	1	0.82
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG13	1	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG21	1	0.82
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG22	1	0.82
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG23	1	0.82
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG11	15	0.82
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG12	15	0.82
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG13	15	0.82
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG21	15	0.82
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG22	15	0.82
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG23	15	0.82
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	10	0.82
(1,888)	1:799:A:THR:H	1:801:A:ASN:H	18	0.82
(1,881)	1:817:A:ALA:HA	1:832:A:THR:H	14	0.82
(1,863)	1:728:A:THR:HG21	1:729:A:THR:H	9	0.82
(1,863)	1:728:A:THR:HG22	1:729:A:THR:H	9	0.82
(1,863)	1:728:A:THR:HG23	1:729:A:THR:H	9	0.82
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	5	0.82
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	15	0.82
(1,830)	1:718:A:TYR:H	1:763:A:TRP:H	5	0.82
(1,823)	1:780:A:ILE:HD11	1:781:A:ASN:H	11	0.82
(1,823)	1:780:A:ILE:HD12	1:781:A:ASN:H	11	0.82
(1,823)	1:780:A:ILE:HD13	1:781:A:ASN:H	11	0.82
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	13	0.82
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	10	0.82
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	2	0.82
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD21	2	0.82
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD22	2	0.82
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD23	2	0.82
(1,572)	1:700:A:THR:H	1:743:A:THR:HB	1	0.82
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	11	0.82
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	11	0.82
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	11	0.82
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	11	0.82
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	11	0.82
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	11	0.82
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	11	0.82
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	11	0.82
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	11	0.82
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	4	0.82
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	9	0.82
(1,485)	1:725:A:LYS:H	1:725:A:LYS:HG3	10	0.82
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	12	0.82
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	7	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	7	0.82
(1,364)	1:823:A:ILE:HB	1:826:A:ALA:H	12	0.82
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	20	0.82
(1,298)	1:781:A:ASN:H	1:781:A:ASN:HB2	20	0.82
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	16	0.82
(1,164)	1:829:A:LEU:H	1:839:A:TRP:HA	5	0.82
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	2	0.82
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD11	6	0.82
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD12	6	0.82
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD13	6	0.82
(1,48)	1:743:A:THR:HG21	1:745:A:GLY:H	16	0.82
(1,48)	1:743:A:THR:HG22	1:745:A:GLY:H	16	0.82
(1,48)	1:743:A:THR:HG23	1:745:A:GLY:H	16	0.82
(1,38)	1:815:A:PHE:HA	1:833:A:VAL:HA	7	0.82
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	12	0.82
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	12	0.82
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	12	0.82
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	3	0.82
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	12	0.82
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	13	0.82
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB2	6	0.81
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB3	6	0.81
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	14	0.81
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	14	0.81
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	14	0.81
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	14	0.81
(1,1318)	1:777:A:PRO:HB2	1:821:A:GLN:HB2	18	0.81
(1,1318)	1:777:A:PRO:HB2	1:821:A:GLN:HB3	18	0.81
(1,1318)	1:777:A:PRO:HB3	1:821:A:GLN:HB2	18	0.81
(1,1318)	1:777:A:PRO:HB3	1:821:A:GLN:HB3	18	0.81
(1,1202)	1:725:A:LYS:HG2	1:726:A:GLY:H	6	0.81
(1,1202)	1:725:A:LYS:HG3	1:726:A:GLY:H	6	0.81
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	16	0.81
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	16	0.81
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	16	0.81
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	16	0.81
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	5	0.81
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	5	0.81
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	20	0.81
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	20	0.81
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG11	4	0.81
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG12	4	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG13	4	0.81
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG21	4	0.81
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG22	4	0.81
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG23	4	0.81
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG11	4	0.81
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG12	4	0.81
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG13	4	0.81
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG21	4	0.81
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG22	4	0.81
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG23	4	0.81
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG11	4	0.81
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG12	4	0.81
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG13	4	0.81
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG21	4	0.81
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG22	4	0.81
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG23	4	0.81
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	16	0.81
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	4	0.81
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	18	0.81
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	3	0.81
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	5	0.81
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	5	0.81
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	5	0.81
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	14	0.81
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	20	0.81
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG21	14	0.81
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG22	14	0.81
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG23	14	0.81
(1,664)	1:717:A:LEU:H	1:717:A:LEU:HG	14	0.81
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	2	0.81
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	10	0.81
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	10	0.81
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	14	0.81
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	14	0.81
(1,643)	1:706:A:GLY:HA2	1:773:A:THR:HA	2	0.81
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD11	20	0.81
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD12	20	0.81
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD13	20	0.81
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD11	20	0.81
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD12	20	0.81
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD13	20	0.81
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD11	20	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD12	20	0.81
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD13	20	0.81
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	1	0.81
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	20	0.81
(1,595)	1:709:A:GLN:HA	1:735:A:THR:HA	11	0.81
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	10	0.81
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	13	0.81
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	13	0.81
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	13	0.81
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	13	0.81
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	13	0.81
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	13	0.81
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	13	0.81
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	13	0.81
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	13	0.81
(1,462)	1:712:A:ALA:HA	1:732:A:ILE:HB	3	0.81
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	17	0.81
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	18	0.81
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	5	0.81
(1,386)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	20	0.81
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB1	7	0.81
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB2	7	0.81
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB3	7	0.81
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB1	8	0.81
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB2	8	0.81
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB3	8	0.81
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	10	0.81
(1,298)	1:781:A:ASN:H	1:781:A:ASN:HB2	13	0.81
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	10	0.81
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	10	0.81
(1,243)	1:810:A:LYS:HA	1:810:A:LYS:HG3	4	0.81
(1,211)	1:752:A:VAL:H	1:764:A:VAL:HB	16	0.81
(1,30)	1:845:A:LEU:HA	1:845:A:LEU:HG	20	0.81
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	12	0.8
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	12	0.8
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	19	0.8
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	19	0.8
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	19	0.8
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	19	0.8
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	6	0.8
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	6	0.8
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	6	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	6	0.8
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	6	0.8
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	6	0.8
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG2	16	0.8
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG3	16	0.8
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG2	16	0.8
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG3	16	0.8
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG2	16	0.8
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG3	16	0.8
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG2	16	0.8
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG3	16	0.8
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG2	16	0.8
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG3	16	0.8
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG2	16	0.8
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG3	16	0.8
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG11	1	0.8
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG12	1	0.8
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG13	1	0.8
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG21	1	0.8
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG22	1	0.8
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG23	1	0.8
(1,1244)	1:744:A:LEU:HB2	1:747:A:LYS:HB2	20	0.8
(1,1244)	1:744:A:LEU:HB2	1:747:A:LYS:HB3	20	0.8
(1,1244)	1:744:A:LEU:HB3	1:747:A:LYS:HB2	20	0.8
(1,1244)	1:744:A:LEU:HB3	1:747:A:LYS:HB3	20	0.8
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	2	0.8
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	2	0.8
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB2	8	0.8
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB3	8	0.8
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB2	8	0.8
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB3	8	0.8
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	13	0.8
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	13	0.8
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	13	0.8
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	13	0.8
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	14	0.8
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	14	0.8
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	14	0.8
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	14	0.8
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	5	0.8
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	5	0.8
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	19	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	19	0.8
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD11	14	0.8
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD12	14	0.8
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD13	14	0.8
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD21	14	0.8
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD22	14	0.8
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD23	14	0.8
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD11	14	0.8
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD12	14	0.8
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD13	14	0.8
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD21	14	0.8
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD22	14	0.8
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD23	14	0.8
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	12	0.8
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	12	0.8
(1,1139)	1:709:A:GLN:HG2	1:770:A:ILE:HB	3	0.8
(1,1139)	1:709:A:GLN:HG3	1:770:A:ILE:HB	3	0.8
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	14	0.8
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	14	0.8
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	14	0.8
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	14	0.8
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	14	0.8
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	14	0.8
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB1	7	0.8
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB2	7	0.8
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB3	7	0.8
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB1	7	0.8
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB2	7	0.8
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB3	7	0.8
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	15	0.8
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	15	0.8
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	15	0.8
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	15	0.8
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	15	0.8
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	15	0.8
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	2	0.8
(1,731)	1:714:A:ASN:HA	1:716:A:GLY:H	20	0.8
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG21	6	0.8
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG22	6	0.8
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG23	6	0.8
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	4	0.8
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	7	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	13	0.8
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD11	9	0.8
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD12	9	0.8
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD13	9	0.8
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD11	9	0.8
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD12	9	0.8
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD13	9	0.8
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD11	9	0.8
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD12	9	0.8
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD13	9	0.8
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	7	0.8
(1,572)	1:700:A:THR:H	1:743:A:THR:HB	7	0.8
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	5	0.8
(1,515)	1:793:A:HIS:HA	1:803:A:VAL:HA	3	0.8
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	17	0.8
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	19	0.8
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	19	0.8
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	19	0.8
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	4	0.8
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	6	0.8
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	13	0.8
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	16	0.8
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	19	0.8
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	11	0.8
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	15	0.8
(1,298)	1:781:A:ASN:H	1:781:A:ASN:HB2	4	0.8
(1,298)	1:781:A:ASN:H	1:781:A:ASN:HB2	5	0.8
(1,298)	1:781:A:ASN:H	1:781:A:ASN:HB2	7	0.8
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	15	0.8
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	18	0.8
(1,195)	1:710:A:ILE:HA	1:769:A:VAL:HA	4	0.8
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD11	16	0.8
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD12	16	0.8
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD13	16	0.8
(1,92)	1:710:A:ILE:HB	1:732:A:ILE:HA	6	0.8
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	16	0.8
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	4	0.8
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	16	0.8
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	1	0.79
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	1	0.79
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG21	18	0.79
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG22	18	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG23	18	0.79
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG21	18	0.79
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG22	18	0.79
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG23	18	0.79
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG21	5	0.79
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG22	5	0.79
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG23	5	0.79
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG21	5	0.79
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG22	5	0.79
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG23	5	0.79
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	5	0.79
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	5	0.79
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG11	20	0.79
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG12	20	0.79
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG13	20	0.79
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG21	20	0.79
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG22	20	0.79
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG23	20	0.79
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG11	20	0.79
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG12	20	0.79
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG13	20	0.79
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG21	20	0.79
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG22	20	0.79
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG23	20	0.79
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD11	9	0.79
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD12	9	0.79
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD13	9	0.79
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD21	9	0.79
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD22	9	0.79
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD23	9	0.79
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD11	9	0.79
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD12	9	0.79
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD13	9	0.79
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD21	9	0.79
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD22	9	0.79
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD23	9	0.79
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	5	0.79
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	5	0.79
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB2	4	0.79
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB3	4	0.79
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	12	0.79
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	12	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	12	0.79
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	12	0.79
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	12	0.79
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	12	0.79
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	16	0.79
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	16	0.79
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	16	0.79
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	16	0.79
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	16	0.79
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	16	0.79
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	9	0.79
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	9	0.79
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	9	0.79
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	9	0.79
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	9	0.79
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	9	0.79
(1,1084)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	8	0.79
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	18	0.79
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	1	0.79
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	8	0.79
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	4	0.79
(1,888)	1:799:A:THR:H	1:801:A:ASN:H	8	0.79
(1,865)	1:729:A:THR:H	1:729:A:THR:HG1	9	0.79
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	18	0.79
(1,794)	1:777:A:PRO:HA	1:820:A:GLN:H	11	0.79
(1,664)	1:717:A:LEU:H	1:717:A:LEU:HG	12	0.79
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	9	0.79
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	2	0.79
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	13	0.79
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	18	0.79
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD21	4	0.79
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD22	4	0.79
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD23	4	0.79
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	5	0.79
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	15	0.79
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	16	0.79
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	16	0.79
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	16	0.79
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	8	0.79
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	16	0.79
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	17	0.79
(1,343)	1:820:A:GLN:HB3	1:829:A:LEU:HG	16	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	19	0.79
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	19	0.79
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	19	0.79
(1,298)	1:781:A:ASN:H	1:781:A:ASN:HB2	11	0.79
(1,286)	1:795:A:VAL:HA	1:839:A:TRP:HD1	8	0.79
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	1	0.79
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	5	0.79
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	4	0.79
(1,69)	1:709:A:GLN:HA	1:736:A:LEU:HG	5	0.79
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	11	0.79
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	5	0.79
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	6	0.79
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	8	0.79
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	14	0.79
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	17	0.79
(1,1457)	1:829:A:LEU:HD11	1:842:A:LYS:H	18	0.78
(1,1457)	1:829:A:LEU:HD12	1:842:A:LYS:H	18	0.78
(1,1457)	1:829:A:LEU:HD13	1:842:A:LYS:H	18	0.78
(1,1457)	1:829:A:LEU:HD21	1:842:A:LYS:H	18	0.78
(1,1457)	1:829:A:LEU:HD22	1:842:A:LYS:H	18	0.78
(1,1457)	1:829:A:LEU:HD23	1:842:A:LYS:H	18	0.78
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG12	14	0.78
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG13	14	0.78
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	8	0.78
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	8	0.78
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	1	0.78
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	1	0.78
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	1	0.78
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	1	0.78
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA2	4	0.78
(1,1213)	1:735:A:THR:HB	1:798:A:GLY:HA3	4	0.78
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	9	0.78
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	9	0.78
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	14	0.78
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	14	0.78
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	5	0.78
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	5	0.78
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	5	0.78
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	5	0.78
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	5	0.78
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	5	0.78
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	5	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	5	0.78
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	5	0.78
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	5	0.78
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	5	0.78
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	5	0.78
(1,936)	1:709:A:GLN:HA	1:734:A:ARG:H	8	0.78
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	3	0.78
(1,888)	1:799:A:THR:H	1:801:A:ASN:H	9	0.78
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	9	0.78
(1,825)	1:780:A:ILE:HB	1:781:A:ASN:H	3	0.78
(1,823)	1:780:A:ILE:HD11	1:781:A:ASN:H	12	0.78
(1,823)	1:780:A:ILE:HD12	1:781:A:ASN:H	12	0.78
(1,823)	1:780:A:ILE:HD13	1:781:A:ASN:H	12	0.78
(1,664)	1:717:A:LEU:H	1:717:A:LEU:HG	1	0.78
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	6	0.78
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	16	0.78
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	16	0.78
(1,643)	1:706:A:GLY:HA2	1:773:A:THR:HA	5	0.78
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD11	16	0.78
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD12	16	0.78
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD13	16	0.78
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD11	16	0.78
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD12	16	0.78
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD13	16	0.78
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD11	16	0.78
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD12	16	0.78
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD13	16	0.78
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	5	0.78
(1,605)	1:810:A:LYS:HA	1:810:A:LYS:HE2	12	0.78
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	8	0.78
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	8	0.78
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	8	0.78
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	8	0.78
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	8	0.78
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	8	0.78
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	8	0.78
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	8	0.78
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	8	0.78
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	15	0.78
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	15	0.78
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	15	0.78
(1,506)	1:713:A:LYS:HB2	1:713:A:LYS:HD2	14	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	1	0.78
(1,485)	1:725:A:LYS:H	1:725:A:LYS:HG3	6	0.78
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	14	0.78
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	14	0.78
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	14	0.78
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	9	0.78
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	14	0.78
(1,298)	1:781:A:ASN:H	1:781:A:ASN:HB2	12	0.78
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	7	0.78
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	19	0.78
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	20	0.78
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD11	3	0.78
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD12	3	0.78
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD13	3	0.78
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD11	15	0.78
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD12	15	0.78
(1,102)	1:780:A:ILE:HB	1:780:A:ILE:HD13	15	0.78
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	15	0.78
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	15	0.78
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	15	0.78
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	17	0.78
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	17	0.78
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	17	0.78
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	15	0.78
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	20	0.78
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	1	0.77
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	1	0.77
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	19	0.77
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	19	0.77
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB2	20	0.77
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB3	20	0.77
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG21	14	0.77
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG22	14	0.77
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG23	14	0.77
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG21	14	0.77
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG22	14	0.77
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG23	14	0.77
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	16	0.77
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	16	0.77
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB2	17	0.77
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB3	17	0.77
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG11	10	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG12	10	0.77
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG13	10	0.77
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG21	10	0.77
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG22	10	0.77
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG23	10	0.77
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG11	18	0.77
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG12	18	0.77
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG13	18	0.77
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG21	18	0.77
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG22	18	0.77
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG23	18	0.77
(1,1313)	1:775:A:LYS:HB2	1:822:A:GLN:H	18	0.77
(1,1313)	1:775:A:LYS:HB3	1:822:A:GLN:H	18	0.77
(1,1243)	1:744:A:LEU:HB2	1:747:A:LYS:H	19	0.77
(1,1243)	1:744:A:LEU:HB3	1:747:A:LYS:H	19	0.77
(1,1219)	1:737:A:SER:HB2	1:755:A:TYR:HA	4	0.77
(1,1219)	1:737:A:SER:HB3	1:755:A:TYR:HA	4	0.77
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	8	0.77
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	8	0.77
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	8	0.77
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	8	0.77
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	7	0.77
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	7	0.77
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	7	0.77
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	7	0.77
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	7	0.77
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	7	0.77
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	8	0.77
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	8	0.77
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	8	0.77
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	8	0.77
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	8	0.77
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	8	0.77
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB1	16	0.77
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB2	16	0.77
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB3	16	0.77
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB1	16	0.77
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB2	16	0.77
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB3	16	0.77
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	14	0.77
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	7	0.77
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	6	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	6	0.77
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	6	0.77
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	11	0.77
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	11	0.77
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	11	0.77
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	4	0.77
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	6	0.77
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	1	0.77
(1,823)	1:780:A:ILE:HD11	1:781:A:ASN:H	8	0.77
(1,823)	1:780:A:ILE:HD12	1:781:A:ASN:H	8	0.77
(1,823)	1:780:A:ILE:HD13	1:781:A:ASN:H	8	0.77
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	12	0.77
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	18	0.77
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	18	0.77
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	18	0.77
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB1	5	0.77
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB2	5	0.77
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB3	5	0.77
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	4	0.77
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD12	4	0.77
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD13	4	0.77
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD11	4	0.77
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD12	4	0.77
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD13	4	0.77
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD11	4	0.77
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD12	4	0.77
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD13	4	0.77
(1,405)	1:735:A:THR:H	1:799:A:THR:HG21	6	0.77
(1,405)	1:735:A:THR:H	1:799:A:THR:HG22	6	0.77
(1,405)	1:735:A:THR:H	1:799:A:THR:HG23	6	0.77
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	9	0.77
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	9	0.77
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	9	0.77
(1,298)	1:781:A:ASN:H	1:781:A:ASN:HB2	2	0.77
(1,298)	1:781:A:ASN:H	1:781:A:ASN:HB2	6	0.77
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	5	0.77
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	16	0.77
(1,167)	1:839:A:TRP:HA	1:839:A:TRP:HE3	5	0.77
(1,41)	1:754:A:ASP:HB3	1:759:A:THR:HB	14	0.77
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	2	0.77
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	10	0.77
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	10	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1457)	1:829:A:LEU:HD11	1:842:A:LYS:H	10	0.76
(1,1457)	1:829:A:LEU:HD12	1:842:A:LYS:H	10	0.76
(1,1457)	1:829:A:LEU:HD13	1:842:A:LYS:H	10	0.76
(1,1457)	1:829:A:LEU:HD21	1:842:A:LYS:H	10	0.76
(1,1457)	1:829:A:LEU:HD22	1:842:A:LYS:H	10	0.76
(1,1457)	1:829:A:LEU:HD23	1:842:A:LYS:H	10	0.76
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB2	8	0.76
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB3	8	0.76
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB2	8	0.76
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB3	8	0.76
(1,1373)	1:791:A:LYS:HB2	1:793:A:HIS:HE1	1	0.76
(1,1373)	1:791:A:LYS:HB3	1:793:A:HIS:HE1	1	0.76
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	3	0.76
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	3	0.76
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB2	10	0.76
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB3	10	0.76
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG2	6	0.76
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG3	6	0.76
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG21	2	0.76
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG22	2	0.76
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG23	2	0.76
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG21	2	0.76
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG22	2	0.76
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG23	2	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD11	4	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD12	4	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD13	4	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD21	4	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD22	4	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD23	4	0.76
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD11	4	0.76
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD12	4	0.76
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD13	4	0.76
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD21	4	0.76
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD22	4	0.76
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD23	4	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD11	14	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD12	14	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD13	14	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD21	14	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD22	14	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD23	14	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD11	14	0.76
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD12	14	0.76
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD13	14	0.76
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD21	14	0.76
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD22	14	0.76
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD23	14	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD11	15	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD12	15	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD13	15	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD21	15	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD22	15	0.76
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD23	15	0.76
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD11	15	0.76
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD12	15	0.76
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD13	15	0.76
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD21	15	0.76
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD22	15	0.76
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD23	15	0.76
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	18	0.76
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	18	0.76
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	16	0.76
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	16	0.76
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	19	0.76
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	19	0.76
(1,1139)	1:709:A:GLN:HG2	1:770:A:ILE:HB	15	0.76
(1,1139)	1:709:A:GLN:HG3	1:770:A:ILE:HB	15	0.76
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	4	0.76
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	4	0.76
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	4	0.76
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	4	0.76
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	4	0.76
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	4	0.76
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG11	14	0.76
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG12	14	0.76
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG13	14	0.76
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG21	14	0.76
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG22	14	0.76
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG23	14	0.76
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	1	0.76
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	6	0.76
(1,979)	1:699:A:LEU:HA	1:743:A:THR:H	20	0.76
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	10	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	10	0.76
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	10	0.76
(1,919)	1:789:A:GLY:H	1:807:A:VAL:H	20	0.76
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	20	0.76
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	15	0.76
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	17	0.76
(1,726)	1:830:A:TYR:HD1	1:831:A:GLY:H	16	0.76
(1,726)	1:830:A:TYR:HD2	1:831:A:GLY:H	16	0.76
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	16	0.76
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG21	3	0.76
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG22	3	0.76
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG23	3	0.76
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	4	0.76
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	4	0.76
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	6	0.76
(1,635)	1:717:A:LEU:HA	1:764:A:VAL:HA	17	0.76
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD11	8	0.76
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD12	8	0.76
(1,631)	1:732:A:ILE:HG21	1:732:A:ILE:HD13	8	0.76
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD11	8	0.76
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD12	8	0.76
(1,631)	1:732:A:ILE:HG22	1:732:A:ILE:HD13	8	0.76
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD11	8	0.76
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD12	8	0.76
(1,631)	1:732:A:ILE:HG23	1:732:A:ILE:HD13	8	0.76
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	15	0.76
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	18	0.76
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	19	0.76
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	8	0.76
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	12	0.76
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	1	0.76
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	3	0.76
(1,424)	1:708:A:ALA:HA	1:771:A:TYR:HA	15	0.76
(1,351)	1:711:A:ASN:H	1:769:A:VAL:HA	4	0.76
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	5	0.76
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	1	0.76
(1,164)	1:829:A:LEU:H	1:839:A:TRP:HA	14	0.76
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	10	0.76
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	10	0.76
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	10	0.76
(1,48)	1:743:A:THR:HG21	1:745:A:GLY:H	3	0.76
(1,48)	1:743:A:THR:HG22	1:745:A:GLY:H	3	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,48)	1:743:A:THR:HG23	1:745:A:GLY:H	3	0.76
(1,11)	1:785:A:ASN:H	1:847:A:ALA:HA	1	0.76
(1,1345)	1:785:A:ASN:HB2	1:846:A:THR:H	12	0.75
(1,1345)	1:785:A:ASN:HB3	1:846:A:THR:H	12	0.75
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB2	20	0.75
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB3	20	0.75
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB2	20	0.75
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB3	20	0.75
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	9	0.75
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	9	0.75
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	9	0.75
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	9	0.75
(1,1314)	1:775:A:LYS:HB2	1:822:A:GLN:HB2	17	0.75
(1,1314)	1:775:A:LYS:HB2	1:822:A:GLN:HB3	17	0.75
(1,1314)	1:775:A:LYS:HB3	1:822:A:GLN:HB2	17	0.75
(1,1314)	1:775:A:LYS:HB3	1:822:A:GLN:HB3	17	0.75
(1,1219)	1:737:A:SER:HB2	1:755:A:TYR:HA	15	0.75
(1,1219)	1:737:A:SER:HB3	1:755:A:TYR:HA	15	0.75
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	12	0.75
(1,1038)	1:793:A:HIS:HA	1:793:A:HIS:HD2	10	0.75
(1,1007)	1:810:A:LYS:H	1:810:A:LYS:HE2	2	0.75
(1,966)	1:697:A:ASN:HA	1:745:A:GLY:H	13	0.75
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	14	0.75
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	19	0.75
(1,745)	1:823:A:ILE:H	1:826:A:ALA:H	8	0.75
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	12	0.75
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	12	0.75
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	6	0.75
(1,556)	1:783:A:THR:HG21	1:816:A:LYS:HA	17	0.75
(1,556)	1:783:A:THR:HG22	1:816:A:LYS:HA	17	0.75
(1,556)	1:783:A:THR:HG23	1:816:A:LYS:HA	17	0.75
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	4	0.75
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	4	0.75
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	4	0.75
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	5	0.75
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	1	0.75
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	17	0.75
(1,298)	1:781:A:ASN:H	1:781:A:ASN:HB2	9	0.75
(1,298)	1:781:A:ASN:H	1:781:A:ASN:HB2	19	0.75
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	6	0.75
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	9	0.75
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	11	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	18	0.75
(1,30)	1:845:A:LEU:HA	1:845:A:LEU:HG	5	0.75
(1,30)	1:845:A:LEU:HA	1:845:A:LEU:HG	16	0.75
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	7	0.75
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG11	11	0.74
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG12	11	0.74
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG13	11	0.74
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG21	11	0.74
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG22	11	0.74
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG23	11	0.74
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG11	12	0.74
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG12	12	0.74
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG13	12	0.74
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG21	12	0.74
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG22	12	0.74
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG23	12	0.74
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	10	0.74
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	10	0.74
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD11	7	0.74
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD12	7	0.74
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD13	7	0.74
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD21	7	0.74
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD22	7	0.74
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD23	7	0.74
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	4	0.74
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	4	0.74
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	15	0.74
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	15	0.74
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG2	12	0.74
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG3	12	0.74
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG2	12	0.74
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG3	12	0.74
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG2	12	0.74
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG3	12	0.74
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	15	0.74
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	15	0.74
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	20	0.74
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	20	0.74
(1,1139)	1:709:A:GLN:HG2	1:770:A:ILE:HB	9	0.74
(1,1139)	1:709:A:GLN:HG3	1:770:A:ILE:HB	9	0.74
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	12	0.74
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	12	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	12	0.74
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	12	0.74
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	12	0.74
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	12	0.74
(1,1087)	1:697:A:ASN:HB2	1:744:A:LEU:HG	14	0.74
(1,1087)	1:697:A:ASN:HB3	1:744:A:LEU:HG	14	0.74
(1,1038)	1:793:A:HIS:HA	1:793:A:HIS:HD2	14	0.74
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	4	0.74
(1,936)	1:709:A:GLN:HA	1:734:A:ARG:H	10	0.74
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	8	0.74
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	8	0.74
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	8	0.74
(1,888)	1:799:A:THR:H	1:801:A:ASN:H	15	0.74
(1,843)	1:755:A:TYR:H	1:756:A:ASN:HA	19	0.74
(1,825)	1:780:A:ILE:HB	1:781:A:ASN:H	15	0.74
(1,825)	1:780:A:ILE:HB	1:781:A:ASN:H	16	0.74
(1,823)	1:780:A:ILE:HD11	1:781:A:ASN:H	17	0.74
(1,823)	1:780:A:ILE:HD12	1:781:A:ASN:H	17	0.74
(1,823)	1:780:A:ILE:HD13	1:781:A:ASN:H	17	0.74
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	1	0.74
(1,745)	1:823:A:ILE:H	1:826:A:ALA:H	1	0.74
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	15	0.74
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	15	0.74
(1,643)	1:706:A:GLY:HA2	1:773:A:THR:HA	9	0.74
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	4	0.74
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	19	0.74
(1,580)	1:731:A:GLN:HA	1:731:A:GLN:HG3	18	0.74
(1,556)	1:783:A:THR:HG21	1:816:A:LYS:HA	14	0.74
(1,556)	1:783:A:THR:HG22	1:816:A:LYS:HA	14	0.74
(1,556)	1:783:A:THR:HG23	1:816:A:LYS:HA	14	0.74
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	17	0.74
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	17	0.74
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	17	0.74
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB1	18	0.74
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB2	18	0.74
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB3	18	0.74
(1,343)	1:820:A:GLN:HB3	1:829:A:LEU:HG	9	0.74
(1,298)	1:781:A:ASN:H	1:781:A:ASN:HB2	17	0.74
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	11	0.74
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	17	0.74
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	19	0.74
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD11	8	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD12	8	0.74
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD13	8	0.74
(1,206)	1:713:A:LYS:HA	1:713:A:LYS:HE2	14	0.74
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	5	0.74
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	5	0.74
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	5	0.74
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	5	0.74
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	6	0.74
(1,48)	1:743:A:THR:HG21	1:745:A:GLY:H	1	0.74
(1,48)	1:743:A:THR:HG22	1:745:A:GLY:H	1	0.74
(1,48)	1:743:A:THR:HG23	1:745:A:GLY:H	1	0.74
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	7	0.74
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	20	0.74
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	11	0.74
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	18	0.74
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	16	0.73
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	16	0.73
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	17	0.73
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	17	0.73
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	7	0.73
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	7	0.73
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	10	0.73
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	10	0.73
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	13	0.73
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	13	0.73
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	13	0.73
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	13	0.73
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	8	0.73
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	8	0.73
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	8	0.73
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	8	0.73
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	19	0.73
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	19	0.73
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	19	0.73
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	19	0.73
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	3	0.73
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	3	0.73
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB1	2	0.73
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB2	2	0.73
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB3	2	0.73
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB1	2	0.73
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB2	2	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB3	2	0.73
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB1	2	0.73
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB2	2	0.73
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB3	2	0.73
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB1	2	0.73
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB2	2	0.73
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB3	2	0.73
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB1	2	0.73
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB2	2	0.73
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB3	2	0.73
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB1	2	0.73
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB2	2	0.73
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB3	2	0.73
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	15	0.73
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	15	0.73
(1,1151)	1:714:A:ASN:HB2	1:768:A:GLU:HB2	4	0.73
(1,1151)	1:714:A:ASN:HB2	1:768:A:GLU:HB3	4	0.73
(1,1151)	1:714:A:ASN:HB3	1:768:A:GLU:HB2	4	0.73
(1,1151)	1:714:A:ASN:HB3	1:768:A:GLU:HB3	4	0.73
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	2	0.73
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	2	0.73
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	20	0.73
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	20	0.73
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	20	0.73
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	20	0.73
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	20	0.73
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	20	0.73
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB1	13	0.73
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB2	13	0.73
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB3	13	0.73
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB1	13	0.73
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB2	13	0.73
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB3	13	0.73
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB1	13	0.73
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB2	13	0.73
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB3	13	0.73
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB1	13	0.73
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB2	13	0.73
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB3	13	0.73
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB1	13	0.73
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB2	13	0.73
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB3	13	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB1	13	0.73
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB2	13	0.73
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB3	13	0.73
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD11	11	0.73
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD12	11	0.73
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD13	11	0.73
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD21	11	0.73
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD22	11	0.73
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD23	11	0.73
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	2	0.73
(1,1079)	1:794:A:THR:HA	1:839:A:TRP:HD1	3	0.73
(1,1079)	1:794:A:THR:HA	1:839:A:TRP:HD1	6	0.73
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	2	0.73
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	2	0.73
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	2	0.73
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	17	0.73
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	5	0.73
(1,675)	1:749:A:PHE:HA	1:766:A:GLN:H	6	0.73
(1,664)	1:717:A:LEU:H	1:717:A:LEU:HG	9	0.73
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	6	0.73
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	6	0.73
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	16	0.73
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	19	0.73
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	11	0.73
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	11	0.73
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	11	0.73
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	19	0.73
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	1	0.73
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	1	0.73
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	1	0.73
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	15	0.73
(1,343)	1:820:A:GLN:HB3	1:829:A:LEU:HG	14	0.73
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	3	0.73
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	4	0.73
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	20	0.73
(1,229)	1:705:A:SER:HA	1:739:A:THR:HA	18	0.73
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	19	0.73
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	19	0.73
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	19	0.73
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	9	0.72
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	9	0.72
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA2	14	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA3	14	0.72
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA2	14	0.72
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA3	14	0.72
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA2	14	0.72
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA3	14	0.72
(1,1397)	1:794:A:THR:H	1:802:A:GLN:HG2	20	0.72
(1,1397)	1:794:A:THR:H	1:802:A:GLN:HG3	20	0.72
(1,1384)	1:792:A:LEU:HB2	1:805:A:GLY:HA2	18	0.72
(1,1384)	1:792:A:LEU:HB2	1:805:A:GLY:HA3	18	0.72
(1,1384)	1:792:A:LEU:HB3	1:805:A:GLY:HA2	18	0.72
(1,1384)	1:792:A:LEU:HB3	1:805:A:GLY:HA3	18	0.72
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG21	14	0.72
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG22	14	0.72
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG23	14	0.72
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG21	14	0.72
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG22	14	0.72
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG23	14	0.72
(1,1373)	1:791:A:LYS:HB2	1:793:A:HIS:HE1	3	0.72
(1,1373)	1:791:A:LYS:HB3	1:793:A:HIS:HE1	3	0.72
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG11	8	0.72
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG12	8	0.72
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG13	8	0.72
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG21	8	0.72
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG22	8	0.72
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG23	8	0.72
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG11	8	0.72
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG12	8	0.72
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG13	8	0.72
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG21	8	0.72
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG22	8	0.72
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG23	8	0.72
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG11	8	0.72
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG12	8	0.72
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG13	8	0.72
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG21	8	0.72
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG22	8	0.72
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG23	8	0.72
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG11	8	0.72
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG12	8	0.72
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG13	8	0.72
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG21	8	0.72
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG22	8	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG23	8	0.72
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG11	8	0.72
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG12	8	0.72
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG13	8	0.72
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG21	8	0.72
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG22	8	0.72
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG23	8	0.72
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG11	8	0.72
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG12	8	0.72
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG13	8	0.72
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG21	8	0.72
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG22	8	0.72
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG23	8	0.72
(1,1318)	1:777:A:PRO:HB2	1:821:A:GLN:HB2	1	0.72
(1,1318)	1:777:A:PRO:HB2	1:821:A:GLN:HB3	1	0.72
(1,1318)	1:777:A:PRO:HB3	1:821:A:GLN:HB2	1	0.72
(1,1318)	1:777:A:PRO:HB3	1:821:A:GLN:HB3	1	0.72
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	2	0.72
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	2	0.72
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD11	6	0.72
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD12	6	0.72
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD13	6	0.72
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD21	6	0.72
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD22	6	0.72
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD23	6	0.72
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	9	0.72
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	9	0.72
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	5	0.72
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	5	0.72
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	5	0.72
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	5	0.72
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	5	0.72
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	5	0.72
(1,1085)	1:843:A:TYR:HA	1:843:A:TYR:HE1	9	0.72
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	11	0.72
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	11	0.72
(1,957)	1:727:A:LYS:H	1:727:A:LYS:HD2	7	0.72
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	16	0.72
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	2	0.72
(1,858)	1:822:A:GLN:HA	1:828:A:TYR:H	6	0.72
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	13	0.72
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	18	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	18	0.72
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	5	0.72
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	12	0.72
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	3	0.72
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	7	0.72
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	17	0.72
(1,605)	1:810:A:LYS:HA	1:810:A:LYS:HE2	5	0.72
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	8	0.72
(1,572)	1:700:A:THR:H	1:743:A:THR:HB	20	0.72
(1,558)	1:737:A:SER:H	1:752:A:VAL:HB	18	0.72
(1,556)	1:783:A:THR:HG21	1:816:A:LYS:HA	7	0.72
(1,556)	1:783:A:THR:HG22	1:816:A:LYS:HA	7	0.72
(1,556)	1:783:A:THR:HG23	1:816:A:LYS:HA	7	0.72
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	1	0.72
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	1	0.72
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	1	0.72
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	1	0.72
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	1	0.72
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	1	0.72
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	1	0.72
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	1	0.72
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	1	0.72
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	1	0.72
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	1	0.72
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	1	0.72
(1,448)	1:819:A:LYS:HA	1:819:A:LYS:HG3	15	0.72
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	6	0.72
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	6	0.72
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	6	0.72
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	14	0.72
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	8	0.72
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	12	0.72
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD11	11	0.72
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD12	11	0.72
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD13	11	0.72
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD11	7	0.72
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD12	7	0.72
(1,221)	1:732:A:ILE:HA	1:732:A:ILE:HD13	7	0.72
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	7	0.72
(1,193)	1:706:A:GLY:HA3	1:773:A:THR:HA	5	0.72
(1,176)	1:709:A:GLN:HB2	1:734:A:ARG:H	8	0.72
(1,140)	1:738:A:VAL:HA	1:752:A:VAL:HA	20	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	9	0.72
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	1	0.72
(1,20)	1:825:A:LYS:HB3	1:825:A:LYS:HD3	10	0.72
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG11	17	0.71
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG12	17	0.71
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG13	17	0.71
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG21	17	0.71
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG22	17	0.71
(1,1413)	1:802:A:GLN:H	1:803:A:VAL:HG23	17	0.71
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	10	0.71
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	10	0.71
(1,1397)	1:794:A:THR:H	1:802:A:GLN:HG2	15	0.71
(1,1397)	1:794:A:THR:H	1:802:A:GLN:HG3	15	0.71
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	16	0.71
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	16	0.71
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB2	7	0.71
(1,1338)	1:784:A:TYR:HB2	1:845:A:LEU:HB3	7	0.71
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB2	7	0.71
(1,1338)	1:784:A:TYR:HB3	1:845:A:LEU:HB3	7	0.71
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG2	1	0.71
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG3	1	0.71
(1,1275)	1:753:A:GLY:HA2	1:762:A:GLY:H	3	0.71
(1,1275)	1:753:A:GLY:HA3	1:762:A:GLY:H	3	0.71
(1,1197)	1:725:A:LYS:H	1:725:A:LYS:HE2	16	0.71
(1,1197)	1:725:A:LYS:H	1:725:A:LYS:HE3	16	0.71
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	11	0.71
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	11	0.71
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG11	14	0.71
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG12	14	0.71
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG13	14	0.71
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG21	14	0.71
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG22	14	0.71
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG23	14	0.71
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG11	14	0.71
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG12	14	0.71
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG13	14	0.71
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG21	14	0.71
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG22	14	0.71
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG23	14	0.71
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG11	14	0.71
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG12	14	0.71
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG13	14	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG21	14	0.71
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG22	14	0.71
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG23	14	0.71
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	3	0.71
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	3	0.71
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	3	0.71
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	3	0.71
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	3	0.71
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	3	0.71
(1,1087)	1:697:A:ASN:HB2	1:744:A:LEU:HG	1	0.71
(1,1087)	1:697:A:ASN:HB3	1:744:A:LEU:HG	1	0.71
(1,919)	1:789:A:GLY:H	1:807:A:VAL:H	5	0.71
(1,793)	1:782:A:GLN:H	1:817:A:ALA:H	15	0.71
(1,711)	1:793:A:HIS:H	1:793:A:HIS:HE1	6	0.71
(1,664)	1:717:A:LEU:H	1:717:A:LEU:HG	5	0.71
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	9	0.71
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	9	0.71
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	19	0.71
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	19	0.71
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	8	0.71
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	9	0.71
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	18	0.71
(1,515)	1:793:A:HIS:HA	1:803:A:VAL:HA	14	0.71
(1,322)	1:727:A:LYS:HA	1:727:A:LYS:HD3	3	0.71
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	7	0.71
(1,252)	1:713:A:LYS:HA	1:713:A:LYS:HG2	13	0.71
(1,229)	1:705:A:SER:HA	1:739:A:THR:HA	5	0.71
(1,229)	1:705:A:SER:HA	1:739:A:THR:HA	16	0.71
(1,215)	1:698:A:GLN:HA	1:698:A:GLN:HG2	12	0.71
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	7	0.71
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	7	0.71
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	7	0.71
(1,48)	1:743:A:THR:HG21	1:745:A:GLY:H	8	0.71
(1,48)	1:743:A:THR:HG22	1:745:A:GLY:H	8	0.71
(1,48)	1:743:A:THR:HG23	1:745:A:GLY:H	8	0.71
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	2	0.7
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	2	0.7
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	14	0.7
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	14	0.7
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB2	5	0.7
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB3	5	0.7
(1,1431)	1:816:A:LYS:HB2	1:832:A:THR:HB	20	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1431)	1:816:A:LYS:HB3	1:832:A:THR:HB	20	0.7
(1,1404)	1:797:A:TRP:H	1:839:A:TRP:HB2	5	0.7
(1,1404)	1:797:A:TRP:H	1:839:A:TRP:HB3	5	0.7
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG21	3	0.7
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG22	3	0.7
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG23	3	0.7
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG21	3	0.7
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG22	3	0.7
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG23	3	0.7
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG11	17	0.7
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG12	17	0.7
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG13	17	0.7
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG21	17	0.7
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG22	17	0.7
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG23	17	0.7
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	9	0.7
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	9	0.7
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	16	0.7
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	16	0.7
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	16	0.7
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	16	0.7
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	16	0.7
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	16	0.7
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG11	9	0.7
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG12	9	0.7
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG13	9	0.7
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG21	9	0.7
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG22	9	0.7
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG23	9	0.7
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	4	0.7
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	4	0.7
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	11	0.7
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	11	0.7
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	11	0.7
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	11	0.7
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	11	0.7
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	11	0.7
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	10	0.7
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	10	0.7
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	10	0.7
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	10	0.7
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	10	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	10	0.7
(1,1118)	1:706:A:GLY:HA2	1:772:A:ASN:H	17	0.7
(1,1118)	1:706:A:GLY:HA3	1:772:A:ASN:H	17	0.7
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	13	0.7
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	13	0.7
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	13	0.7
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	13	0.7
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	13	0.7
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	13	0.7
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	14	0.7
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	14	0.7
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	14	0.7
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	14	0.7
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	14	0.7
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	14	0.7
(1,887)	1:718:A:TYR:HA	1:725:A:LYS:H	13	0.7
(1,858)	1:822:A:GLN:HA	1:828:A:TYR:H	1	0.7
(1,834)	1:780:A:ILE:HD11	1:819:A:LYS:H	1	0.7
(1,834)	1:780:A:ILE:HD12	1:819:A:LYS:H	1	0.7
(1,834)	1:780:A:ILE:HD13	1:819:A:LYS:H	1	0.7
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	8	0.7
(1,825)	1:780:A:ILE:HB	1:781:A:ASN:H	7	0.7
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	17	0.7
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	15	0.7
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	15	0.7
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	15	0.7
(1,605)	1:810:A:LYS:HA	1:810:A:LYS:HE2	18	0.7
(1,589)	1:749:A:PHE:HA	1:765:A:LYS:HA	6	0.7
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	9	0.7
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD21	11	0.7
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD22	11	0.7
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD23	11	0.7
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	1	0.7
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD12	1	0.7
(1,484)	1:780:A:ILE:HG21	1:780:A:ILE:HD13	1	0.7
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD11	1	0.7
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD12	1	0.7
(1,484)	1:780:A:ILE:HG22	1:780:A:ILE:HD13	1	0.7
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD11	1	0.7
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD12	1	0.7
(1,484)	1:780:A:ILE:HG23	1:780:A:ILE:HD13	1	0.7
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	5	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,359)	1:832:A:THR:HG21	1:837:A:SER:HA	13	0.7
(1,359)	1:832:A:THR:HG22	1:837:A:SER:HA	13	0.7
(1,359)	1:832:A:THR:HG23	1:837:A:SER:HA	13	0.7
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB1	8	0.7
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB2	8	0.7
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB3	8	0.7
(1,254)	1:713:A:LYS:HA	1:713:A:LYS:HG3	2	0.7
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	11	0.7
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	9	0.7
(1,48)	1:743:A:THR:HG21	1:745:A:GLY:H	12	0.7
(1,48)	1:743:A:THR:HG22	1:745:A:GLY:H	12	0.7
(1,48)	1:743:A:THR:HG23	1:745:A:GLY:H	12	0.7
(1,48)	1:743:A:THR:HG21	1:745:A:GLY:H	13	0.7
(1,48)	1:743:A:THR:HG22	1:745:A:GLY:H	13	0.7
(1,48)	1:743:A:THR:HG23	1:745:A:GLY:H	13	0.7
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	10	0.7
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG11	15	0.69
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG12	15	0.69
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG13	15	0.69
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG21	15	0.69
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG22	15	0.69
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG23	15	0.69
(1,1202)	1:725:A:LYS:HG2	1:726:A:GLY:H	10	0.69
(1,1202)	1:725:A:LYS:HG3	1:726:A:GLY:H	10	0.69
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	11	0.69
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	11	0.69
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	7	0.69
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	7	0.69
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	15	0.69
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	15	0.69
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	19	0.69
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	19	0.69
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	19	0.69
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	19	0.69
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	19	0.69
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	19	0.69
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	13	0.69
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	13	0.69
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	13	0.69
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	13	0.69
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	13	0.69
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	13	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	5	0.69
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	5	0.69
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	5	0.69
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	5	0.69
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	5	0.69
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	5	0.69
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	7	0.69
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	7	0.69
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	14	0.69
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	14	0.69
(1,1066)	1:761:A:TYR:H	1:761:A:TYR:HE1	6	0.69
(1,1066)	1:761:A:TYR:H	1:761:A:TYR:HE2	6	0.69
(1,997)	1:753:A:GLY:HA3	1:761:A:TYR:H	18	0.69
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	11	0.69
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	11	0.69
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	11	0.69
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	16	0.69
(1,794)	1:777:A:PRO:HA	1:820:A:GLN:H	18	0.69
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG21	19	0.69
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG22	19	0.69
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG23	19	0.69
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	7	0.69
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	7	0.69
(1,556)	1:783:A:THR:HG21	1:816:A:LYS:HA	13	0.69
(1,556)	1:783:A:THR:HG22	1:816:A:LYS:HA	13	0.69
(1,556)	1:783:A:THR:HG23	1:816:A:LYS:HA	13	0.69
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	18	0.69
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	7	0.69
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	13	0.69
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB1	19	0.69
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB2	19	0.69
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB3	19	0.69
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	13	0.69
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	15	0.69
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	2	0.69
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	18	0.69
(1,215)	1:698:A:GLN:HA	1:698:A:GLN:HG2	18	0.69
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG21	8	0.68
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG22	8	0.68
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG23	8	0.68
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG21	8	0.68
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG22	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG23	8	0.68
(1,1431)	1:816:A:LYS:HB2	1:832:A:THR:HB	1	0.68
(1,1431)	1:816:A:LYS:HB3	1:832:A:THR:HB	1	0.68
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG12	9	0.68
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG13	9	0.68
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG21	17	0.68
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG22	17	0.68
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG23	17	0.68
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG21	17	0.68
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG22	17	0.68
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG23	17	0.68
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	17	0.68
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	17	0.68
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD11	12	0.68
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD12	12	0.68
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD13	12	0.68
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD21	12	0.68
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD22	12	0.68
(1,1349)	1:786:A:VAL:HB	1:845:A:LEU:HD23	12	0.68
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG11	6	0.68
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG12	6	0.68
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG13	6	0.68
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG21	6	0.68
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG22	6	0.68
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG23	6	0.68
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG11	6	0.68
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG12	6	0.68
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG13	6	0.68
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG21	6	0.68
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG22	6	0.68
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG23	6	0.68
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD11	12	0.68
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD12	12	0.68
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD13	12	0.68
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD21	12	0.68
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD22	12	0.68
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD23	12	0.68
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD11	12	0.68
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD12	12	0.68
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD13	12	0.68
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD21	12	0.68
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD22	12	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD23	12	0.68
(1,1139)	1:709:A:GLN:HG2	1:770:A:ILE:HB	5	0.68
(1,1139)	1:709:A:GLN:HG3	1:770:A:ILE:HB	5	0.68
(1,1112)	1:704:A:ASN:HB2	1:740:A:LYS:HA	12	0.68
(1,1112)	1:704:A:ASN:HB3	1:740:A:LYS:HA	12	0.68
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	15	0.68
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	15	0.68
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	15	0.68
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	15	0.68
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	15	0.68
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	15	0.68
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	3	0.68
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	3	0.68
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	1	0.68
(1,968)	1:699:A:LEU:HA	1:745:A:GLY:H	6	0.68
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	1	0.68
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	8	0.68
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	4	0.68
(1,936)	1:709:A:GLN:HA	1:734:A:ARG:H	5	0.68
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	13	0.68
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	4	0.68
(1,793)	1:782:A:GLN:H	1:817:A:ALA:H	6	0.68
(1,707)	1:842:A:LYS:H	1:842:A:LYS:HG3	2	0.68
(1,664)	1:717:A:LEU:H	1:717:A:LEU:HG	17	0.68
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	19	0.68
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	20	0.68
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	11	0.68
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD21	5	0.68
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD22	5	0.68
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD23	5	0.68
(1,580)	1:731:A:GLN:HA	1:731:A:GLN:HG3	4	0.68
(1,572)	1:700:A:THR:H	1:743:A:THR:HB	14	0.68
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	15	0.68
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	4	0.68
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	4	0.68
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	4	0.68
(1,515)	1:793:A:HIS:HA	1:803:A:VAL:HA	12	0.68
(1,424)	1:708:A:ALA:HA	1:771:A:TYR:HA	3	0.68
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	13	0.68
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	6	0.68
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	10	0.68
(1,193)	1:706:A:GLY:HA3	1:773:A:THR:HA	12	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	13	0.68
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	13	0.68
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	13	0.68
(1,38)	1:815:A:PHE:HA	1:833:A:VAL:HA	4	0.68
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	13	0.68
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	19	0.68
(1,11)	1:785:A:ASN:H	1:847:A:ALA:HA	3	0.68
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB2	3	0.67
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB3	3	0.67
(1,1392)	1:793:A:HIS:HB2	1:798:A:GLY:H	14	0.67
(1,1392)	1:793:A:HIS:HB3	1:798:A:GLY:H	14	0.67
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG2	2	0.67
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG3	2	0.67
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG2	2	0.67
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG3	2	0.67
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG2	2	0.67
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG3	2	0.67
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG2	2	0.67
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG3	2	0.67
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG2	2	0.67
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG3	2	0.67
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG2	2	0.67
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG3	2	0.67
(1,1317)	1:777:A:PRO:HB2	1:820:A:GLN:H	15	0.67
(1,1317)	1:777:A:PRO:HB3	1:820:A:GLN:H	15	0.67
(1,1204)	1:727:A:LYS:HD2	1:728:A:THR:H	3	0.67
(1,1204)	1:727:A:LYS:HD3	1:728:A:THR:H	3	0.67
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	5	0.67
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	5	0.67
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	5	0.67
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	5	0.67
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD11	7	0.67
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD12	7	0.67
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD13	7	0.67
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD21	7	0.67
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD22	7	0.67
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD23	7	0.67
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	20	0.67
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	20	0.67
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	6	0.67
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	6	0.67
(1,1130)	1:707:A:VAL:HG11	1:823:A:ILE:HG21	18	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1130)	1:707:A:VAL:HG11	1:823:A:ILE:HG22	18	0.67
(1,1130)	1:707:A:VAL:HG11	1:823:A:ILE:HG23	18	0.67
(1,1130)	1:707:A:VAL:HG12	1:823:A:ILE:HG21	18	0.67
(1,1130)	1:707:A:VAL:HG12	1:823:A:ILE:HG22	18	0.67
(1,1130)	1:707:A:VAL:HG12	1:823:A:ILE:HG23	18	0.67
(1,1130)	1:707:A:VAL:HG13	1:823:A:ILE:HG21	18	0.67
(1,1130)	1:707:A:VAL:HG13	1:823:A:ILE:HG22	18	0.67
(1,1130)	1:707:A:VAL:HG13	1:823:A:ILE:HG23	18	0.67
(1,1130)	1:707:A:VAL:HG21	1:823:A:ILE:HG21	18	0.67
(1,1130)	1:707:A:VAL:HG21	1:823:A:ILE:HG22	18	0.67
(1,1130)	1:707:A:VAL:HG21	1:823:A:ILE:HG23	18	0.67
(1,1130)	1:707:A:VAL:HG22	1:823:A:ILE:HG21	18	0.67
(1,1130)	1:707:A:VAL:HG22	1:823:A:ILE:HG22	18	0.67
(1,1130)	1:707:A:VAL:HG22	1:823:A:ILE:HG23	18	0.67
(1,1130)	1:707:A:VAL:HG23	1:823:A:ILE:HG21	18	0.67
(1,1130)	1:707:A:VAL:HG23	1:823:A:ILE:HG22	18	0.67
(1,1130)	1:707:A:VAL:HG23	1:823:A:ILE:HG23	18	0.67
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	6	0.67
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	6	0.67
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	6	0.67
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	6	0.67
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	6	0.67
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	6	0.67
(1,1119)	1:706:A:GLY:HA2	1:773:A:THR:HA	2	0.67
(1,1119)	1:706:A:GLY:HA3	1:773:A:THR:HA	2	0.67
(1,1106)	1:703:A:ASN:HA	1:740:A:LYS:HG2	8	0.67
(1,1106)	1:703:A:ASN:HA	1:740:A:LYS:HG3	8	0.67
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	1	0.67
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	1	0.67
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	1	0.67
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	1	0.67
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	1	0.67
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	1	0.67
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB1	16	0.67
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB2	16	0.67
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB3	16	0.67
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB1	16	0.67
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB2	16	0.67
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB3	16	0.67
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB1	16	0.67
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB2	16	0.67
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB3	16	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB1	16	0.67
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB2	16	0.67
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB3	16	0.67
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB1	16	0.67
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB2	16	0.67
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB3	16	0.67
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB1	16	0.67
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB2	16	0.67
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB3	16	0.67
(1,1079)	1:794:A:THR:HA	1:839:A:TRP:HD1	4	0.67
(1,1076)	1:797:A:TRP:HA	1:797:A:TRP:HD1	12	0.67
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	5	0.67
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	5	0.67
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	16	0.67
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	17	0.67
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	17	0.67
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	17	0.67
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	15	0.67
(1,888)	1:799:A:THR:H	1:801:A:ASN:H	14	0.67
(1,863)	1:728:A:THR:HG21	1:729:A:THR:H	14	0.67
(1,863)	1:728:A:THR:HG22	1:729:A:THR:H	14	0.67
(1,863)	1:728:A:THR:HG23	1:729:A:THR:H	14	0.67
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	17	0.67
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	12	0.67
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	5	0.67
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	1	0.67
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	1	0.67
(1,572)	1:700:A:THR:H	1:743:A:THR:HB	13	0.67
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	17	0.67
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	3	0.67
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	3	0.67
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	3	0.67
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	20	0.67
(1,309)	1:752:A:VAL:HG11	1:762:A:GLY:H	4	0.67
(1,309)	1:752:A:VAL:HG12	1:762:A:GLY:H	4	0.67
(1,309)	1:752:A:VAL:HG13	1:762:A:GLY:H	4	0.67
(1,286)	1:795:A:VAL:HA	1:839:A:TRP:HD1	10	0.67
(1,274)	1:754:A:ASP:HB2	1:759:A:THR:HB	6	0.67
(1,196)	1:710:A:ILE:HA	1:770:A:ILE:H	14	0.67
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	16	0.67
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	6	0.67
(1,11)	1:785:A:ASN:H	1:847:A:ALA:HA	6	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1431)	1:816:A:LYS:HB2	1:832:A:THR:HB	14	0.66
(1,1431)	1:816:A:LYS:HB3	1:832:A:THR:HB	14	0.66
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	13	0.66
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	13	0.66
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	16	0.66
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	16	0.66
(1,1386)	1:792:A:LEU:HD11	1:806:A:THR:HA	4	0.66
(1,1386)	1:792:A:LEU:HD12	1:806:A:THR:HA	4	0.66
(1,1386)	1:792:A:LEU:HD13	1:806:A:THR:HA	4	0.66
(1,1386)	1:792:A:LEU:HD21	1:806:A:THR:HA	4	0.66
(1,1386)	1:792:A:LEU:HD22	1:806:A:THR:HA	4	0.66
(1,1386)	1:792:A:LEU:HD23	1:806:A:THR:HA	4	0.66
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG11	5	0.66
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG12	5	0.66
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG13	5	0.66
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG21	5	0.66
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG22	5	0.66
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG23	5	0.66
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG11	13	0.66
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG12	13	0.66
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG13	13	0.66
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG21	13	0.66
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG22	13	0.66
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG23	13	0.66
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG11	13	0.66
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG12	13	0.66
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG13	13	0.66
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG21	13	0.66
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG22	13	0.66
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG23	13	0.66
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	9	0.66
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	9	0.66
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	18	0.66
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	18	0.66
(1,1086)	1:784:A:TYR:H	1:784:A:TYR:HE1	7	0.66
(1,1086)	1:784:A:TYR:H	1:784:A:TYR:HE2	7	0.66
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	4	0.66
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	4	0.66
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	20	0.66
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	20	0.66
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	5	0.66
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	19	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	19	0.66
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	10	0.66
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	15	0.66
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD1	7	0.66
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD2	7	0.66
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	19	0.66
(1,919)	1:789:A:GLY:H	1:807:A:VAL:H	2	0.66
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	10	0.66
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	11	0.66
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	15	0.66
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG21	7	0.66
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG22	7	0.66
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG23	7	0.66
(1,580)	1:731:A:GLN:HA	1:731:A:GLN:HG3	11	0.66
(1,556)	1:783:A:THR:HG21	1:816:A:LYS:HA	18	0.66
(1,556)	1:783:A:THR:HG22	1:816:A:LYS:HA	18	0.66
(1,556)	1:783:A:THR:HG23	1:816:A:LYS:HA	18	0.66
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	18	0.66
(1,474)	1:819:A:LYS:HA	1:819:A:LYS:HG2	3	0.66
(1,474)	1:819:A:LYS:HA	1:819:A:LYS:HG2	16	0.66
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	7	0.66
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	15	0.66
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	8	0.66
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	9	0.66
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	6	0.66
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	8	0.66
(1,255)	1:713:A:LYS:HA	1:714:A:ASN:H	9	0.66
(1,252)	1:713:A:LYS:HA	1:713:A:LYS:HG2	14	0.66
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	20	0.66
(1,164)	1:829:A:LEU:H	1:839:A:TRP:HA	18	0.66
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	3	0.66
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	4	0.66
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	5	0.66
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	7	0.66
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	11	0.66
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	16	0.66
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	18	0.66
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	20	0.66
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	6	0.66
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	4	0.66
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	4	0.66
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	4	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	17	0.66
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	2	0.66
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	11	0.66
(1,27)	1:781:A:ASN:HA	1:781:A:ASN:HB3	1	0.66
(1,27)	1:781:A:ASN:HA	1:781:A:ASN:HB3	10	0.66
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	3	0.65
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	3	0.65
(1,1457)	1:829:A:LEU:HD11	1:842:A:LYS:H	17	0.65
(1,1457)	1:829:A:LEU:HD12	1:842:A:LYS:H	17	0.65
(1,1457)	1:829:A:LEU:HD13	1:842:A:LYS:H	17	0.65
(1,1457)	1:829:A:LEU:HD21	1:842:A:LYS:H	17	0.65
(1,1457)	1:829:A:LEU:HD22	1:842:A:LYS:H	17	0.65
(1,1457)	1:829:A:LEU:HD23	1:842:A:LYS:H	17	0.65
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	9	0.65
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	9	0.65
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	18	0.65
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	18	0.65
(1,1280)	1:754:A:ASP:HB2	1:759:A:THR:H	13	0.65
(1,1280)	1:754:A:ASP:HB3	1:759:A:THR:H	13	0.65
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG11	18	0.65
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG12	18	0.65
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG13	18	0.65
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG21	18	0.65
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG22	18	0.65
(1,1229)	1:738:A:VAL:HG11	1:752:A:VAL:HG23	18	0.65
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG11	18	0.65
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG12	18	0.65
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG13	18	0.65
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG21	18	0.65
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG22	18	0.65
(1,1229)	1:738:A:VAL:HG12	1:752:A:VAL:HG23	18	0.65
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG11	18	0.65
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG12	18	0.65
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG13	18	0.65
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG21	18	0.65
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG22	18	0.65
(1,1229)	1:738:A:VAL:HG13	1:752:A:VAL:HG23	18	0.65
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG11	18	0.65
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG12	18	0.65
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG13	18	0.65
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG21	18	0.65
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG22	18	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1229)	1:738:A:VAL:HG21	1:752:A:VAL:HG23	18	0.65
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG11	18	0.65
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG12	18	0.65
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG13	18	0.65
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG21	18	0.65
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG22	18	0.65
(1,1229)	1:738:A:VAL:HG22	1:752:A:VAL:HG23	18	0.65
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG11	18	0.65
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG12	18	0.65
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG13	18	0.65
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG21	18	0.65
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG22	18	0.65
(1,1229)	1:738:A:VAL:HG23	1:752:A:VAL:HG23	18	0.65
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	3	0.65
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	3	0.65
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	1	0.65
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	1	0.65
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	1	0.65
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	1	0.65
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	12	0.65
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	12	0.65
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB1	17	0.65
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB2	17	0.65
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB3	17	0.65
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB1	17	0.65
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB2	17	0.65
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB3	17	0.65
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB1	17	0.65
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB2	17	0.65
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB3	17	0.65
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB1	17	0.65
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB2	17	0.65
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB3	17	0.65
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB1	17	0.65
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB2	17	0.65
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB3	17	0.65
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB1	17	0.65
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB2	17	0.65
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB3	17	0.65
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	18	0.65
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	18	0.65
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	2	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	2	0.65
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	2	0.65
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	2	0.65
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	2	0.65
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	2	0.65
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	8	0.65
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	8	0.65
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	8	0.65
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	8	0.65
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	8	0.65
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	8	0.65
(1,1119)	1:706:A:GLY:HA2	1:773:A:THR:HA	10	0.65
(1,1119)	1:706:A:GLY:HA3	1:773:A:THR:HA	10	0.65
(1,1076)	1:797:A:TRP:HA	1:797:A:TRP:HD1	1	0.65
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	2	0.65
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	2	0.65
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	6	0.65
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	6	0.65
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	9	0.65
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	9	0.65
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	10	0.65
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	10	0.65
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	13	0.65
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	13	0.65
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	19	0.65
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	19	0.65
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	3	0.65
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	16	0.65
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	6	0.65
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	10	0.65
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	13	0.65
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	16	0.65
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	19	0.65
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	15	0.65
(1,643)	1:706:A:GLY:HA2	1:773:A:THR:HA	10	0.65
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	13	0.65
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	13	0.65
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	13	0.65
(1,495)	1:779:A:LYS:HA	1:819:A:LYS:HA	15	0.65
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	20	0.65
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	20	0.65
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	20	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	10	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	1	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	2	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	3	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	4	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	5	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	6	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	8	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	9	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	10	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	11	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	12	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	13	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	16	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	17	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	18	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	19	0.65
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	20	0.65
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	4	0.65
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	8	0.65
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	10	0.65
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	13	0.65
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	14	0.65
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	17	0.65
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	18	0.65
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	20	0.65
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	5	0.65
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	9	0.65
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	1	0.65
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	20	0.65
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	12	0.65
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	1	0.65
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	3	0.65
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	6	0.65
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	7	0.65
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	9	0.65
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	11	0.65
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	13	0.65
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	16	0.65
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	17	0.65
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	18	0.65
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	19	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	1	0.65
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	2	0.65
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	6	0.65
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	8	0.65
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	9	0.65
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	10	0.65
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	12	0.65
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	13	0.65
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	14	0.65
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	15	0.65
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	17	0.65
(1,158)	1:822:A:GLN:HA	1:822:A:GLN:HB3	19	0.65
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	13	0.65
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	17	0.65
(1,48)	1:743:A:THR:HG21	1:745:A:GLY:H	7	0.65
(1,48)	1:743:A:THR:HG22	1:745:A:GLY:H	7	0.65
(1,48)	1:743:A:THR:HG23	1:745:A:GLY:H	7	0.65
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	1	0.65
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	2	0.65
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	3	0.65
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	4	0.65
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	6	0.65
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	8	0.65
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	9	0.65
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	10	0.65
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	11	0.65
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	15	0.65
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	17	0.65
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	18	0.65
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	17	0.65
(1,27)	1:781:A:ASN:HA	1:781:A:ASN:HB3	8	0.65
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	5	0.64
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	5	0.64
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	6	0.64
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	6	0.64
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	12	0.64
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	12	0.64
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	16	0.64
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	16	0.64
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	10	0.64
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	10	0.64
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG11	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG12	18	0.64
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG13	18	0.64
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG21	18	0.64
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG22	18	0.64
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG23	18	0.64
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG11	18	0.64
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG12	18	0.64
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG13	18	0.64
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG21	18	0.64
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG22	18	0.64
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG23	18	0.64
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB2	6	0.64
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB3	6	0.64
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB2	6	0.64
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB3	6	0.64
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	7	0.64
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	7	0.64
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	7	0.64
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	7	0.64
(1,1112)	1:704:A:ASN:HB2	1:740:A:LYS:HA	10	0.64
(1,1112)	1:704:A:ASN:HB3	1:740:A:LYS:HA	10	0.64
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD11	4	0.64
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD12	4	0.64
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD13	4	0.64
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD21	4	0.64
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD22	4	0.64
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD23	4	0.64
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	12	0.64
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	12	0.64
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	17	0.64
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	17	0.64
(1,1066)	1:761:A:TYR:H	1:761:A:TYR:HE1	12	0.64
(1,1066)	1:761:A:TYR:H	1:761:A:TYR:HE2	12	0.64
(1,1062)	1:720:A:THR:HA	1:763:A:TRP:HD1	12	0.64
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	6	0.64
(1,858)	1:822:A:GLN:HA	1:828:A:TYR:H	13	0.64
(1,825)	1:780:A:ILE:HB	1:781:A:ASN:H	13	0.64
(1,793)	1:782:A:GLN:H	1:817:A:ALA:H	13	0.64
(1,787)	1:718:A:TYR:HA	1:724:A:THR:H	13	0.64
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	3	0.64
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	6	0.64
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	1	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	2	0.64
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	17	0.64
(1,623)	1:713:A:LYS:HB3	1:713:A:LYS:HD3	10	0.64
(1,589)	1:749:A:PHE:HA	1:765:A:LYS:HA	4	0.64
(1,580)	1:731:A:GLN:HA	1:731:A:GLN:HG3	12	0.64
(1,448)	1:819:A:LYS:HA	1:819:A:LYS:HG3	20	0.64
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	1	0.64
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	15	0.64
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	18	0.64
(1,391)	1:734:A:ARG:HA	1:799:A:THR:H	3	0.64
(1,389)	1:748:A:LYS:HA	1:748:A:LYS:HB2	14	0.64
(1,343)	1:820:A:GLN:HB3	1:829:A:LEU:HG	6	0.64
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB1	6	0.64
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB2	6	0.64
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB3	6	0.64
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	16	0.64
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD11	2	0.64
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD12	2	0.64
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD13	2	0.64
(1,196)	1:710:A:ILE:HA	1:770:A:ILE:H	10	0.64
(1,191)	1:822:A:GLN:HB3	1:822:A:GLN:HG2	17	0.64
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	2	0.64
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	4	0.64
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	10	0.64
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	14	0.64
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	15	0.64
(1,68)	1:845:A:LEU:HA	1:845:A:LEU:HB2	5	0.64
(1,68)	1:845:A:LEU:HA	1:845:A:LEU:HB2	8	0.64
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	12	0.64
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	14	0.64
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	15	0.64
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	18	0.64
(1,31)	1:845:A:LEU:HB3	1:845:A:LEU:HG	7	0.64
(1,31)	1:845:A:LEU:HB3	1:845:A:LEU:HG	13	0.64
(1,31)	1:845:A:LEU:HB3	1:845:A:LEU:HG	19	0.64
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	2	0.63
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	2	0.63
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB1	13	0.63
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB2	13	0.63
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB3	13	0.63
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB1	13	0.63
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB2	13	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB3	13	0.63
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB1	17	0.63
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB2	17	0.63
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB3	17	0.63
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB1	17	0.63
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB2	17	0.63
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB3	17	0.63
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB1	18	0.63
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB2	18	0.63
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB3	18	0.63
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB1	18	0.63
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB2	18	0.63
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB3	18	0.63
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG21	12	0.63
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG22	12	0.63
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG23	12	0.63
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG21	12	0.63
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG22	12	0.63
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG23	12	0.63
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB2	9	0.63
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB3	9	0.63
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB2	9	0.63
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB3	9	0.63
(1,1243)	1:744:A:LEU:HB2	1:747:A:LYS:H	20	0.63
(1,1243)	1:744:A:LEU:HB3	1:747:A:LYS:H	20	0.63
(1,1151)	1:714:A:ASN:HB2	1:768:A:GLU:HB2	5	0.63
(1,1151)	1:714:A:ASN:HB2	1:768:A:GLU:HB3	5	0.63
(1,1151)	1:714:A:ASN:HB3	1:768:A:GLU:HB2	5	0.63
(1,1151)	1:714:A:ASN:HB3	1:768:A:GLU:HB3	5	0.63
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	3	0.63
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	3	0.63
(1,1139)	1:709:A:GLN:HG2	1:770:A:ILE:HB	11	0.63
(1,1139)	1:709:A:GLN:HG3	1:770:A:ILE:HB	11	0.63
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	7	0.63
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	7	0.63
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	7	0.63
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	7	0.63
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	7	0.63
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	7	0.63
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB1	11	0.63
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB2	11	0.63
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB3	11	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB1	11	0.63
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB2	11	0.63
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB3	11	0.63
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB1	11	0.63
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB2	11	0.63
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB3	11	0.63
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB1	11	0.63
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB2	11	0.63
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB3	11	0.63
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB1	11	0.63
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB2	11	0.63
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB3	11	0.63
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB1	11	0.63
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB2	11	0.63
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB3	11	0.63
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB1	12	0.63
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB2	12	0.63
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB3	12	0.63
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB1	12	0.63
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB2	12	0.63
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB3	12	0.63
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB1	12	0.63
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB2	12	0.63
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB3	12	0.63
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB1	12	0.63
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB2	12	0.63
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB3	12	0.63
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB1	12	0.63
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB2	12	0.63
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB3	12	0.63
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB1	12	0.63
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB2	12	0.63
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB3	12	0.63
(1,1103)	1:701:A:VAL:HG11	1:741:A:ALA:H	13	0.63
(1,1103)	1:701:A:VAL:HG12	1:741:A:ALA:H	13	0.63
(1,1103)	1:701:A:VAL:HG13	1:741:A:ALA:H	13	0.63
(1,1103)	1:701:A:VAL:HG21	1:741:A:ALA:H	13	0.63
(1,1103)	1:701:A:VAL:HG22	1:741:A:ALA:H	13	0.63
(1,1103)	1:701:A:VAL:HG23	1:741:A:ALA:H	13	0.63
(1,1087)	1:697:A:ASN:HB2	1:744:A:LEU:HG	19	0.63
(1,1087)	1:697:A:ASN:HB3	1:744:A:LEU:HG	19	0.63
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	1	0.63
(1,966)	1:697:A:ASN:HA	1:745:A:GLY:H	15	0.63
(1,923)	1:780:A:ILE:H	1:818:A:THR:HA	4	0.63
(1,906)	1:817:A:ALA:HA	1:830:A:TYR:H	1	0.63
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE1	2	0.63
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE2	2	0.63
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	8	0.63
(1,863)	1:728:A:THR:HG21	1:729:A:THR:H	18	0.63
(1,863)	1:728:A:THR:HG22	1:729:A:THR:H	18	0.63
(1,863)	1:728:A:THR:HG23	1:729:A:THR:H	18	0.63
(1,794)	1:777:A:PRO:HA	1:820:A:GLN:H	12	0.63
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	15	0.63
(1,711)	1:793:A:HIS:H	1:793:A:HIS:HE1	11	0.63
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	9	0.63
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	15	0.63
(1,643)	1:706:A:GLY:HA2	1:773:A:THR:HA	13	0.63
(1,634)	1:764:A:VAL:HA	1:764:A:VAL:HG21	6	0.63
(1,634)	1:764:A:VAL:HA	1:764:A:VAL:HG22	6	0.63
(1,634)	1:764:A:VAL:HA	1:764:A:VAL:HG23	6	0.63
(1,556)	1:783:A:THR:HG21	1:816:A:LYS:HA	2	0.63
(1,556)	1:783:A:THR:HG22	1:816:A:LYS:HA	2	0.63
(1,556)	1:783:A:THR:HG23	1:816:A:LYS:HA	2	0.63
(1,536)	1:840:A:ILE:H	1:840:A:ILE:HG12	17	0.63
(1,515)	1:793:A:HIS:HA	1:803:A:VAL:HA	9	0.63
(1,474)	1:819:A:LYS:HA	1:819:A:LYS:HG2	6	0.63
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	13	0.63
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	13	0.63
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	13	0.63
(1,416)	1:716:A:GLY:HA3	1:728:A:THR:HA	20	0.63
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	3	0.63
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	3	0.63
(1,342)	1:709:A:GLN:HB3	1:709:A:GLN:HG2	7	0.63
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	3	0.63
(1,265)	1:734:A:ARG:HA	1:734:A:ARG:HD2	7	0.63
(1,243)	1:810:A:LYS:HA	1:810:A:LYS:HG3	10	0.63
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	10	0.63
(1,191)	1:822:A:GLN:HB3	1:822:A:GLN:HG2	7	0.63
(1,191)	1:822:A:GLN:HB3	1:822:A:GLN:HG2	16	0.63
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	5	0.63
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	3	0.63
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	8	0.63
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	19	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	1	0.63
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	1	0.63
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	1	0.63
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	4	0.63
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	4	0.63
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	4	0.63
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	9	0.63
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	9	0.63
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	9	0.63
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	20	0.63
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	20	0.63
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	20	0.63
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	19	0.63
(1,69)	1:709:A:GLN:HA	1:736:A:LEU:HG	18	0.63
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	11	0.63
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	11	0.63
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	11	0.63
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	3	0.63
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	4	0.63
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	7	0.62
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	7	0.62
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG21	15	0.62
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG22	15	0.62
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG23	15	0.62
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG21	15	0.62
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG22	15	0.62
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG23	15	0.62
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	11	0.62
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	11	0.62
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	11	0.62
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	11	0.62
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	11	0.62
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	11	0.62
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG21	15	0.62
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG22	15	0.62
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG23	15	0.62
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG21	15	0.62
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG22	15	0.62
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG23	15	0.62
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG21	15	0.62
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG22	15	0.62
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG23	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG21	15	0.62
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG22	15	0.62
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG23	15	0.62
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG21	15	0.62
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG22	15	0.62
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG23	15	0.62
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG21	15	0.62
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG22	15	0.62
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG23	15	0.62
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	7	0.62
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	7	0.62
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA2	11	0.62
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA3	11	0.62
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA2	11	0.62
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA3	11	0.62
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	2	0.62
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	2	0.62
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	2	0.62
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	2	0.62
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	2	0.62
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	2	0.62
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	12	0.62
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	12	0.62
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	12	0.62
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	12	0.62
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	12	0.62
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	12	0.62
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	15	0.62
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	15	0.62
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	15	0.62
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	15	0.62
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	15	0.62
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	15	0.62
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	16	0.62
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	16	0.62
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	16	0.62
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	16	0.62
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	16	0.62
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	16	0.62
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	4	0.62
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	4	0.62
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	4	0.62
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	4	0.62
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	4	0.62
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	19	0.62
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	19	0.62
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	19	0.62
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	19	0.62
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	19	0.62
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	19	0.62
(1,1087)	1:697:A:ASN:HB2	1:744:A:LEU:HG	16	0.62
(1,1087)	1:697:A:ASN:HB3	1:744:A:LEU:HG	16	0.62
(1,1066)	1:761:A:TYR:H	1:761:A:TYR:HE1	7	0.62
(1,1066)	1:761:A:TYR:H	1:761:A:TYR:HE2	7	0.62
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	6	0.62
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	14	0.62
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE1	6	0.62
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE2	6	0.62
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE1	6	0.62
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE2	6	0.62
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE1	6	0.62
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE2	6	0.62
(1,1038)	1:793:A:HIS:HA	1:793:A:HIS:HD2	18	0.62
(1,957)	1:727:A:LYS:H	1:727:A:LYS:HD2	16	0.62
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	5	0.62
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	19	0.62
(1,842)	1:737:A:SER:H	1:755:A:TYR:H	4	0.62
(1,834)	1:780:A:ILE:HD11	1:819:A:LYS:H	11	0.62
(1,834)	1:780:A:ILE:HD12	1:819:A:LYS:H	11	0.62
(1,834)	1:780:A:ILE:HD13	1:819:A:LYS:H	11	0.62
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	16	0.62
(1,823)	1:780:A:ILE:HD11	1:781:A:ASN:H	18	0.62
(1,823)	1:780:A:ILE:HD12	1:781:A:ASN:H	18	0.62
(1,823)	1:780:A:ILE:HD13	1:781:A:ASN:H	18	0.62
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	1	0.62
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	17	0.62
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	10	0.62
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	13	0.62
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	8	0.62
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	8	0.62
(1,634)	1:764:A:VAL:HA	1:764:A:VAL:HG21	3	0.62
(1,634)	1:764:A:VAL:HA	1:764:A:VAL:HG22	3	0.62
(1,634)	1:764:A:VAL:HA	1:764:A:VAL:HG23	3	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:764:A:VAL:HA	1:764:A:VAL:HG21	16	0.62
(1,634)	1:764:A:VAL:HA	1:764:A:VAL:HG22	16	0.62
(1,634)	1:764:A:VAL:HA	1:764:A:VAL:HG23	16	0.62
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG21	17	0.62
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG22	17	0.62
(1,630)	1:710:A:ILE:HB	1:732:A:ILE:HG23	17	0.62
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	16	0.62
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	4	0.62
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	4	0.62
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	4	0.62
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	4	0.62
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	4	0.62
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	4	0.62
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	4	0.62
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	4	0.62
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	4	0.62
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	17	0.62
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	16	0.62
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	16	0.62
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	16	0.62
(1,451)	1:802:A:GLN:HA	1:802:A:GLN:HG3	10	0.62
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	17	0.62
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	17	0.62
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	17	0.62
(1,418)	1:716:A:GLY:HA2	1:728:A:THR:HA	2	0.62
(1,416)	1:716:A:GLY:HA3	1:728:A:THR:HA	1	0.62
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	11	0.62
(1,342)	1:709:A:GLN:HB3	1:709:A:GLN:HG2	13	0.62
(1,342)	1:709:A:GLN:HB3	1:709:A:GLN:HG2	19	0.62
(1,342)	1:709:A:GLN:HB3	1:709:A:GLN:HG2	20	0.62
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	4	0.62
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	20	0.62
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	11	0.62
(1,229)	1:705:A:SER:HA	1:739:A:THR:HA	17	0.62
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	20	0.62
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	19	0.62
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG11	20	0.62
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG12	20	0.62
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG13	20	0.62
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG21	20	0.62
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG22	20	0.62
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG23	20	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:709:A:GLN:HB2	1:709:A:GLN:HG2	3	0.62
(1,167)	1:839:A:TRP:HA	1:839:A:TRP:HE3	20	0.62
(1,135)	1:740:A:LYS:H	1:740:A:LYS:HD2	2	0.62
(1,115)	1:836:A:LYS:H	1:836:A:LYS:HG3	2	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	2	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	2	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	2	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	5	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	5	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	5	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	10	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	10	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	10	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	11	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	11	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	11	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	12	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	12	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	12	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	14	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	14	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	14	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	17	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	17	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	17	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	18	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	18	0.62
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	18	0.62
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	1	0.62
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	9	0.62
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	10	0.62
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	14	0.62
(1,27)	1:781:A:ASN:HA	1:781:A:ASN:HB3	3	0.62
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	15	0.61
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	15	0.61
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG11	13	0.61
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG12	13	0.61
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG13	13	0.61
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG21	13	0.61
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG22	13	0.61
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG23	13	0.61
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	2	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	2	0.61
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	6	0.61
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	6	0.61
(1,1334)	1:783:A:THR:HA	1:816:A:LYS:HG2	4	0.61
(1,1334)	1:783:A:THR:HA	1:816:A:LYS:HG3	4	0.61
(1,1280)	1:754:A:ASP:HB2	1:759:A:THR:H	14	0.61
(1,1280)	1:754:A:ASP:HB3	1:759:A:THR:H	14	0.61
(1,1219)	1:737:A:SER:HB2	1:755:A:TYR:HA	17	0.61
(1,1219)	1:737:A:SER:HB3	1:755:A:TYR:HA	17	0.61
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	17	0.61
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	17	0.61
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	19	0.61
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	19	0.61
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	19	0.61
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	19	0.61
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	19	0.61
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	19	0.61
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	7	0.61
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	7	0.61
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	7	0.61
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	7	0.61
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	7	0.61
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	7	0.61
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG11	19	0.61
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG12	19	0.61
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG13	19	0.61
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG21	19	0.61
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG22	19	0.61
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG23	19	0.61
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG11	19	0.61
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG12	19	0.61
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG13	19	0.61
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG21	19	0.61
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG22	19	0.61
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG23	19	0.61
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB1	2	0.61
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB2	2	0.61
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB3	2	0.61
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB1	2	0.61
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB2	2	0.61
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB3	2	0.61
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB1	2	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB2	2	0.61
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB3	2	0.61
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB1	2	0.61
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB2	2	0.61
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB3	2	0.61
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB1	2	0.61
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB2	2	0.61
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB3	2	0.61
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB1	2	0.61
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB2	2	0.61
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB3	2	0.61
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	10	0.61
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	17	0.61
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	17	0.61
(1,1047)	1:793:A:HIS:HA	1:793:A:HIS:HE1	13	0.61
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE1	15	0.61
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE2	15	0.61
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE1	15	0.61
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE2	15	0.61
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE1	15	0.61
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE2	15	0.61
(1,1038)	1:793:A:HIS:HA	1:793:A:HIS:HD2	11	0.61
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	10	0.61
(1,979)	1:699:A:LEU:HA	1:743:A:THR:H	13	0.61
(1,966)	1:697:A:ASN:HA	1:745:A:GLY:H	5	0.61
(1,957)	1:727:A:LYS:H	1:727:A:LYS:HD2	5	0.61
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	11	0.61
(1,936)	1:709:A:GLN:HA	1:734:A:ARG:H	17	0.61
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	6	0.61
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	19	0.61
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	9	0.61
(1,595)	1:709:A:GLN:HA	1:735:A:THR:HA	5	0.61
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	16	0.61
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	19	0.61
(1,491)	1:707:A:VAL:H	1:774:A:ALA:HB1	11	0.61
(1,491)	1:707:A:VAL:H	1:774:A:ALA:HB2	11	0.61
(1,491)	1:707:A:VAL:H	1:774:A:ALA:HB3	11	0.61
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	19	0.61
(1,451)	1:802:A:GLN:HA	1:802:A:GLN:HG3	5	0.61
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	12	0.61
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	12	0.61
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,417)	1:728:A:THR:HA	1:728:A:THR:HB	1	0.61
(1,417)	1:728:A:THR:HA	1:728:A:THR:HB	2	0.61
(1,417)	1:728:A:THR:HA	1:728:A:THR:HB	7	0.61
(1,417)	1:728:A:THR:HA	1:728:A:THR:HB	15	0.61
(1,417)	1:728:A:THR:HA	1:728:A:THR:HB	17	0.61
(1,416)	1:716:A:GLY:HA3	1:728:A:THR:HA	18	0.61
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	7	0.61
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	4	0.61
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	18	0.61
(1,342)	1:709:A:GLN:HB3	1:709:A:GLN:HG2	1	0.61
(1,342)	1:709:A:GLN:HB3	1:709:A:GLN:HG2	16	0.61
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	14	0.61
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	2	0.61
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	14	0.61
(1,176)	1:709:A:GLN:HB2	1:734:A:ARG:H	18	0.61
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	14	0.61
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	16	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	1	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	1	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	1	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	7	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	7	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	7	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	8	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	8	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	8	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	13	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	13	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	13	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	15	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	15	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	15	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG11	19	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG12	19	0.61
(1,97)	1:764:A:VAL:HA	1:764:A:VAL:HG13	19	0.61
(1,68)	1:845:A:LEU:HA	1:845:A:LEU:HB2	12	0.61
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	15	0.61
(1,38)	1:815:A:PHE:HA	1:833:A:VAL:HA	14	0.61
(1,2)	1:709:A:GLN:HB2	1:709:A:GLN:HG3	6	0.61
(1,2)	1:709:A:GLN:HB2	1:709:A:GLN:HG3	9	0.61
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	11	0.6
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	11	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	13	0.6
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	13	0.6
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	19	0.6
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	19	0.6
(1,1392)	1:793:A:HIS:HB2	1:798:A:GLY:H	17	0.6
(1,1392)	1:793:A:HIS:HB3	1:798:A:GLY:H	17	0.6
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	18	0.6
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	18	0.6
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB2	20	0.6
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB3	20	0.6
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB2	20	0.6
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB3	20	0.6
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB2	20	0.6
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB3	20	0.6
(1,1313)	1:775:A:LYS:HB2	1:822:A:GLN:H	20	0.6
(1,1313)	1:775:A:LYS:HB3	1:822:A:GLN:H	20	0.6
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB2	17	0.6
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB3	17	0.6
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG11	2	0.6
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG12	2	0.6
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG13	2	0.6
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG21	2	0.6
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG22	2	0.6
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG23	2	0.6
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG11	2	0.6
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG12	2	0.6
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG13	2	0.6
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG21	2	0.6
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG22	2	0.6
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG23	2	0.6
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG11	2	0.6
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG12	2	0.6
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG13	2	0.6
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG21	2	0.6
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG22	2	0.6
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG23	2	0.6
(1,1118)	1:706:A:GLY:HA2	1:772:A:ASN:H	10	0.6
(1,1118)	1:706:A:GLY:HA3	1:772:A:ASN:H	10	0.6
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	8	0.6
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	8	0.6
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	18	0.6
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	18	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1066)	1:761:A:TYR:H	1:761:A:TYR:HE1	16	0.6
(1,1066)	1:761:A:TYR:H	1:761:A:TYR:HE2	16	0.6
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	20	0.6
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	17	0.6
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	16	0.6
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	16	0.6
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	16	0.6
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	4	0.6
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	7	0.6
(1,842)	1:737:A:SER:H	1:755:A:TYR:H	18	0.6
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	3	0.6
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	6	0.6
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	16	0.6
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	17	0.6
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	3	0.6
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	16	0.6
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	13	0.6
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	13	0.6
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	15	0.6
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB1	19	0.6
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB2	19	0.6
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB3	19	0.6
(1,451)	1:802:A:GLN:HA	1:802:A:GLN:HG3	20	0.6
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	10	0.6
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	10	0.6
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	10	0.6
(1,417)	1:728:A:THR:HA	1:728:A:THR:HB	5	0.6
(1,417)	1:728:A:THR:HA	1:728:A:THR:HB	10	0.6
(1,417)	1:728:A:THR:HA	1:728:A:THR:HB	11	0.6
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	5	0.6
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	19	0.6
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	14	0.6
(1,342)	1:709:A:GLN:HB3	1:709:A:GLN:HG2	12	0.6
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB1	10	0.6
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB2	10	0.6
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB3	10	0.6
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	12	0.6
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	1	0.6
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	1	0.6
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	2	0.6
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	7	0.6
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	12	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	18	0.6
(1,100)	1:810:A:LYS:HA	1:810:A:LYS:HG2	8	0.6
(1,92)	1:710:A:ILE:HB	1:732:A:ILE:HA	12	0.6
(1,11)	1:785:A:ASN:H	1:847:A:ALA:HA	8	0.6
(1,4)	1:709:A:GLN:HB3	1:709:A:GLN:HG3	3	0.6
(1,2)	1:709:A:GLN:HB2	1:709:A:GLN:HG3	4	0.6
(1,2)	1:709:A:GLN:HB2	1:709:A:GLN:HG3	5	0.6
(1,2)	1:709:A:GLN:HB2	1:709:A:GLN:HG3	11	0.6
(1,2)	1:709:A:GLN:HB2	1:709:A:GLN:HG3	14	0.6
(1,2)	1:709:A:GLN:HB2	1:709:A:GLN:HG3	15	0.6
(1,2)	1:709:A:GLN:HB2	1:709:A:GLN:HG3	18	0.6
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	10	0.59
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	10	0.59
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG11	7	0.59
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG12	7	0.59
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG13	7	0.59
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG21	7	0.59
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG22	7	0.59
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG23	7	0.59
(1,1219)	1:737:A:SER:HB2	1:755:A:TYR:HA	16	0.59
(1,1219)	1:737:A:SER:HB3	1:755:A:TYR:HA	16	0.59
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	10	0.59
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	10	0.59
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	14	0.59
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	14	0.59
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	4	0.59
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	4	0.59
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	4	0.59
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	4	0.59
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	4	0.59
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	4	0.59
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	8	0.59
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	8	0.59
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	8	0.59
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	8	0.59
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	8	0.59
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	8	0.59
(1,1103)	1:701:A:VAL:HG11	1:741:A:ALA:H	16	0.59
(1,1103)	1:701:A:VAL:HG12	1:741:A:ALA:H	16	0.59
(1,1103)	1:701:A:VAL:HG13	1:741:A:ALA:H	16	0.59
(1,1103)	1:701:A:VAL:HG21	1:741:A:ALA:H	16	0.59
(1,1103)	1:701:A:VAL:HG22	1:741:A:ALA:H	16	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1103)	1:701:A:VAL:HG23	1:741:A:ALA:H	16	0.59
(1,1076)	1:797:A:TRP:HA	1:797:A:TRP:HD1	16	0.59
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE1	15	0.59
(1,1071)	1:830:A:TYR:H	1:830:A:TYR:HE2	15	0.59
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	12	0.59
(1,1059)	1:800:A:TYR:H	1:800:A:TYR:HE1	18	0.59
(1,1059)	1:800:A:TYR:H	1:800:A:TYR:HE2	18	0.59
(1,979)	1:699:A:LEU:HA	1:743:A:THR:H	7	0.59
(1,968)	1:699:A:LEU:HA	1:745:A:GLY:H	7	0.59
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	5	0.59
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	3	0.59
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	3	0.59
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	3	0.59
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	2	0.59
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	9	0.59
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	14	0.59
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	11	0.59
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	18	0.59
(1,711)	1:793:A:HIS:H	1:793:A:HIS:HE1	18	0.59
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	9	0.59
(1,664)	1:717:A:LEU:H	1:717:A:LEU:HG	15	0.59
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	3	0.59
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	3	0.59
(1,595)	1:709:A:GLN:HA	1:735:A:THR:HA	18	0.59
(1,589)	1:749:A:PHE:HA	1:765:A:LYS:HA	3	0.59
(1,580)	1:731:A:GLN:HA	1:731:A:GLN:HG3	13	0.59
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	13	0.59
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	16	0.59
(1,345)	1:708:A:ALA:H	1:735:A:THR:HG21	8	0.59
(1,345)	1:708:A:ALA:H	1:735:A:THR:HG22	8	0.59
(1,345)	1:708:A:ALA:H	1:735:A:THR:HG23	8	0.59
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	12	0.59
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	20	0.59
(1,155)	1:810:A:LYS:HA	1:810:A:LYS:HE3	18	0.59
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	9	0.59
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	9	0.59
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	9	0.59
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	12	0.59
(1,2)	1:709:A:GLN:HB2	1:709:A:GLN:HG3	8	0.59
(1,2)	1:709:A:GLN:HB2	1:709:A:GLN:HG3	10	0.59
(1,2)	1:709:A:GLN:HB2	1:709:A:GLN:HG3	17	0.59
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	15	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	15	0.58
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG21	6	0.58
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG22	6	0.58
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG23	6	0.58
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG21	6	0.58
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG22	6	0.58
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG23	6	0.58
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG11	9	0.58
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG12	9	0.58
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG13	9	0.58
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG21	9	0.58
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG22	9	0.58
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG23	9	0.58
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	5	0.58
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	5	0.58
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG2	16	0.58
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG3	16	0.58
(1,1303)	1:767:A:ASP:HB2	1:769:A:VAL:H	9	0.58
(1,1303)	1:767:A:ASP:HB3	1:769:A:VAL:H	9	0.58
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	1	0.58
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	1	0.58
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	14	0.58
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	14	0.58
(1,1131)	1:708:A:ALA:H	1:736:A:LEU:HB2	9	0.58
(1,1131)	1:708:A:ALA:H	1:736:A:LEU:HB3	9	0.58
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	4	0.58
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	4	0.58
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	6	0.58
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	6	0.58
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	9	0.58
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	9	0.58
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD1	19	0.58
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD2	19	0.58
(1,914)	1:795:A:VAL:H	1:798:A:GLY:H	13	0.58
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	18	0.58
(1,704)	1:829:A:LEU:H	1:842:A:LYS:H	16	0.58
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	4	0.58
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	4	0.58
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	4	0.58
(1,545)	1:731:A:GLN:HA	1:731:A:GLN:HG2	2	0.58
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	11	0.58
(1,504)	1:713:A:LYS:H	1:713:A:LYS:HD2	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,351)	1:711:A:ASN:H	1:769:A:VAL:HA	5	0.58
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	18	0.58
(1,279)	1:820:A:GLN:HB2	1:829:A:LEU:HG	8	0.58
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	7	0.58
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	2	0.58
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	9	0.58
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	10	0.58
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	19	0.58
(1,125)	1:842:A:LYS:H	1:842:A:LYS:HG2	1	0.58
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	6	0.58
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	6	0.58
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	6	0.58
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	5	0.58
(1,48)	1:743:A:THR:HG21	1:745:A:GLY:H	14	0.58
(1,48)	1:743:A:THR:HG22	1:745:A:GLY:H	14	0.58
(1,48)	1:743:A:THR:HG23	1:745:A:GLY:H	14	0.58
(1,48)	1:743:A:THR:HG21	1:745:A:GLY:H	17	0.58
(1,48)	1:743:A:THR:HG22	1:745:A:GLY:H	17	0.58
(1,48)	1:743:A:THR:HG23	1:745:A:GLY:H	17	0.58
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	4	0.58
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	4	0.58
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	8	0.57
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	8	0.57
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB2	11	0.57
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB3	11	0.57
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG21	7	0.57
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG22	7	0.57
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG23	7	0.57
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG21	7	0.57
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG22	7	0.57
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG23	7	0.57
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	13	0.57
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	13	0.57
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	13	0.57
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	13	0.57
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	13	0.57
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	13	0.57
(1,1278)	1:754:A:ASP:HB2	1:757:A:THR:H	14	0.57
(1,1278)	1:754:A:ASP:HB3	1:757:A:THR:H	14	0.57
(1,1244)	1:744:A:LEU:HB2	1:747:A:LYS:HB2	8	0.57
(1,1244)	1:744:A:LEU:HB2	1:747:A:LYS:HB3	8	0.57
(1,1244)	1:744:A:LEU:HB3	1:747:A:LYS:HB2	8	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1244)	1:744:A:LEU:HB3	1:747:A:LYS:HB3	8	0.57
(1,1214)	1:736:A:LEU:HA	1:755:A:TYR:HB2	17	0.57
(1,1214)	1:736:A:LEU:HA	1:755:A:TYR:HB3	17	0.57
(1,1202)	1:725:A:LYS:HG2	1:726:A:GLY:H	16	0.57
(1,1202)	1:725:A:LYS:HG3	1:726:A:GLY:H	16	0.57
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD11	9	0.57
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD12	9	0.57
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD13	9	0.57
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD21	9	0.57
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD22	9	0.57
(1,1186)	1:721:A:VAL:HB	1:744:A:LEU:HD23	9	0.57
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB2	15	0.57
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB3	15	0.57
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	5	0.57
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	5	0.57
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	10	0.57
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	10	0.57
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	3	0.57
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	3	0.57
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	3	0.57
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	3	0.57
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	3	0.57
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	3	0.57
(1,1118)	1:706:A:GLY:HA2	1:772:A:ASN:H	12	0.57
(1,1118)	1:706:A:GLY:HA3	1:772:A:ASN:H	12	0.57
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	11	0.57
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	11	0.57
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	11	0.57
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	11	0.57
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	11	0.57
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	11	0.57
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	18	0.57
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	3	0.57
(1,1059)	1:800:A:TYR:H	1:800:A:TYR:HE1	7	0.57
(1,1059)	1:800:A:TYR:H	1:800:A:TYR:HE2	7	0.57
(1,1059)	1:800:A:TYR:H	1:800:A:TYR:HE1	16	0.57
(1,1059)	1:800:A:TYR:H	1:800:A:TYR:HE2	16	0.57
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	1	0.57
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	1	0.57
(1,1025)	1:818:A:THR:H	1:832:A:THR:H	15	0.57
(1,979)	1:699:A:LEU:HA	1:743:A:THR:H	19	0.57
(1,955)	1:727:A:LYS:H	1:727:A:LYS:HD3	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:789:A:GLY:H	1:807:A:VAL:H	4	0.57
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	17	0.57
(1,858)	1:822:A:GLN:HA	1:828:A:TYR:H	11	0.57
(1,858)	1:822:A:GLN:HA	1:828:A:TYR:H	12	0.57
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	3	0.57
(1,842)	1:737:A:SER:H	1:755:A:TYR:H	20	0.57
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	19	0.57
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	8	0.57
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	8	0.57
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	8	0.57
(1,672)	1:794:A:THR:HG21	1:804:A:ALA:H	13	0.57
(1,672)	1:794:A:THR:HG22	1:804:A:ALA:H	13	0.57
(1,672)	1:794:A:THR:HG23	1:804:A:ALA:H	13	0.57
(1,653)	1:720:A:THR:HA	1:720:A:THR:HB	11	0.57
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	5	0.57
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	9	0.57
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	15	0.57
(1,495)	1:779:A:LYS:HA	1:819:A:LYS:HA	10	0.57
(1,482)	1:753:A:GLY:HA3	1:760:A:ASN:HA	1	0.57
(1,475)	1:819:A:LYS:HB3	1:819:A:LYS:HG2	15	0.57
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	4	0.57
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	17	0.57
(1,284)	1:787:A:LYS:H	1:790:A:VAL:HB	20	0.57
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD11	18	0.57
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD12	18	0.57
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD13	18	0.57
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	8	0.57
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	14	0.57
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	1	0.57
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	4	0.57
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	5	0.57
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	7	0.57
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	8	0.57
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	11	0.57
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	12	0.57
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	14	0.57
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	17	0.57
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	18	0.57
(1,125)	1:842:A:LYS:H	1:842:A:LYS:HG2	7	0.57
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	4	0.57
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	11	0.57
(1,105)	1:780:A:ILE:H	1:780:A:ILE:HD11	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:780:A:ILE:H	1:780:A:ILE:HD12	13	0.57
(1,105)	1:780:A:ILE:H	1:780:A:ILE:HD13	13	0.57
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	15	0.57
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	4	0.56
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	4	0.56
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	8	0.56
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	8	0.56
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	18	0.56
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	18	0.56
(1,1475)	1:843:A:TYR:HB2	1:843:A:TYR:HE1	20	0.56
(1,1475)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	20	0.56
(1,1438)	1:819:A:LYS:HB2	1:830:A:TYR:H	7	0.56
(1,1438)	1:819:A:LYS:HB3	1:830:A:TYR:H	7	0.56
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	13	0.56
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	13	0.56
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	4	0.56
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	4	0.56
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	4	0.56
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	4	0.56
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	4	0.56
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	4	0.56
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	7	0.56
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	7	0.56
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	7	0.56
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	7	0.56
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	7	0.56
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	7	0.56
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	8	0.56
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	8	0.56
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	8	0.56
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	8	0.56
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	8	0.56
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	8	0.56
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	18	0.56
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	18	0.56
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	18	0.56
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	18	0.56
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	18	0.56
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	18	0.56
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD11	2	0.56
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD12	2	0.56
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD13	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD21	2	0.56
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD22	2	0.56
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD23	2	0.56
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD11	2	0.56
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD12	2	0.56
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD13	2	0.56
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD21	2	0.56
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD22	2	0.56
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD23	2	0.56
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	19	0.56
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	19	0.56
(1,1157)	1:716:A:GLY:HA2	1:729:A:THR:HG21	14	0.56
(1,1157)	1:716:A:GLY:HA2	1:729:A:THR:HG22	14	0.56
(1,1157)	1:716:A:GLY:HA2	1:729:A:THR:HG23	14	0.56
(1,1157)	1:716:A:GLY:HA3	1:729:A:THR:HG21	14	0.56
(1,1157)	1:716:A:GLY:HA3	1:729:A:THR:HG22	14	0.56
(1,1157)	1:716:A:GLY:HA3	1:729:A:THR:HG23	14	0.56
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	15	0.56
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	15	0.56
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	15	0.56
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	15	0.56
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	15	0.56
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	15	0.56
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG11	12	0.56
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG12	12	0.56
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG13	12	0.56
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG21	12	0.56
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG22	12	0.56
(1,1111)	1:704:A:ASN:HB2	1:738:A:VAL:HG23	12	0.56
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG11	12	0.56
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG12	12	0.56
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG13	12	0.56
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG21	12	0.56
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG22	12	0.56
(1,1111)	1:704:A:ASN:HB3	1:738:A:VAL:HG23	12	0.56
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	2	0.56
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	2	0.56
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	2	0.56
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	2	0.56
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	2	0.56
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	2	0.56
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	8	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	4	0.56
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	11	0.56
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	11	0.56
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	12	0.56
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	12	0.56
(1,979)	1:699:A:LEU:HA	1:743:A:THR:H	16	0.56
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	2	0.56
(1,936)	1:709:A:GLN:HA	1:734:A:ARG:H	14	0.56
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE1	13	0.56
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE2	13	0.56
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	12	0.56
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	14	0.56
(1,785)	1:708:A:ALA:H	1:736:A:LEU:H	17	0.56
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	3	0.56
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	12	0.56
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	8	0.56
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	14	0.56
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	17	0.56
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	11	0.56
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	10	0.56
(1,475)	1:819:A:LYS:HB3	1:819:A:LYS:HG2	20	0.56
(1,418)	1:716:A:GLY:HA2	1:728:A:THR:HA	11	0.56
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	6	0.56
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	9	0.56
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	11	0.56
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	9	0.56
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD11	12	0.56
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD12	12	0.56
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD13	12	0.56
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	19	0.56
(1,193)	1:706:A:GLY:HA3	1:773:A:THR:HA	17	0.56
(1,135)	1:740:A:LYS:H	1:740:A:LYS:HD2	7	0.56
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	6	0.56
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	15	0.56
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	8	0.55
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	8	0.55
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD11	11	0.55
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD12	11	0.55
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD13	11	0.55
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD21	11	0.55
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD22	11	0.55
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD23	11	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD11	11	0.55
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD12	11	0.55
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD13	11	0.55
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD21	11	0.55
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD22	11	0.55
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD23	11	0.55
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD11	7	0.55
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD12	7	0.55
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD13	7	0.55
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD21	7	0.55
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD22	7	0.55
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD23	7	0.55
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD11	7	0.55
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD12	7	0.55
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD13	7	0.55
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD21	7	0.55
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD22	7	0.55
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD23	7	0.55
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD11	17	0.55
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD12	17	0.55
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD13	17	0.55
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD21	17	0.55
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD22	17	0.55
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD23	17	0.55
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA2	6	0.55
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA3	6	0.55
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA2	6	0.55
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA3	6	0.55
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	19	0.55
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	19	0.55
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	19	0.55
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	19	0.55
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	19	0.55
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	19	0.55
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	16	0.55
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	16	0.55
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	16	0.55
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	16	0.55
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	16	0.55
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	16	0.55
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	3	0.55
(1,1069)	1:718:A:TYR:HD1	1:764:A:VAL:HA	14	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1069)	1:718:A:TYR:HD2	1:764:A:VAL:HA	14	0.55
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	2	0.55
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	15	0.55
(1,957)	1:727:A:LYS:H	1:727:A:LYS:HD2	9	0.55
(1,882)	1:739:A:THR:H	1:751:A:LEU:H	11	0.55
(1,773)	1:778:A:VAL:H	1:820:A:GLN:H	15	0.55
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	10	0.55
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	14	0.55
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	19	0.55
(1,707)	1:842:A:LYS:H	1:842:A:LYS:HG3	18	0.55
(1,615)	1:725:A:LYS:HA	1:726:A:GLY:H	12	0.55
(1,615)	1:725:A:LYS:HA	1:726:A:GLY:H	20	0.55
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	2	0.55
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	6	0.55
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	7	0.55
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	18	0.55
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD21	8	0.55
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD22	8	0.55
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD23	8	0.55
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	7	0.55
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	7	0.55
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	7	0.55
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB1	6	0.55
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB2	6	0.55
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB3	6	0.55
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB1	6	0.55
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB2	6	0.55
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB3	6	0.55
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB1	6	0.55
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB2	6	0.55
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB3	6	0.55
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB1	6	0.55
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB2	6	0.55
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB3	6	0.55
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB1	11	0.55
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB2	11	0.55
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB3	11	0.55
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB1	11	0.55
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB2	11	0.55
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB3	11	0.55
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB1	11	0.55
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB2	11	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB3	11	0.55
(1,480)	1:816:A:LYS:H	1:833:A:VAL:HA	1	0.55
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	2	0.55
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD11	1	0.55
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD12	1	0.55
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD13	1	0.55
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD11	2	0.55
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD12	2	0.55
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD13	2	0.55
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD11	6	0.55
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD12	6	0.55
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD13	6	0.55
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD11	10	0.55
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD12	10	0.55
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD13	10	0.55
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD11	17	0.55
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD12	17	0.55
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD13	17	0.55
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	4	0.55
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	6	0.55
(1,286)	1:795:A:VAL:HA	1:839:A:TRP:HD1	18	0.55
(1,280)	1:757:A:THR:H	1:758:A:GLY:HA2	13	0.55
(1,229)	1:705:A:SER:HA	1:739:A:THR:HA	9	0.55
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	13	0.55
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	7	0.55
(1,125)	1:842:A:LYS:H	1:842:A:LYS:HG2	2	0.55
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	5	0.55
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	20	0.55
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	16	0.55
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	12	0.55
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	12	0.55
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	12	0.55
(1,1431)	1:816:A:LYS:HB2	1:832:A:THR:HB	7	0.54
(1,1431)	1:816:A:LYS:HB3	1:832:A:THR:HB	7	0.54
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG11	8	0.54
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG12	8	0.54
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG13	8	0.54
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG21	8	0.54
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG22	8	0.54
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG23	8	0.54
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG11	8	0.54
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG12	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG13	8	0.54
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG21	8	0.54
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG22	8	0.54
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG23	8	0.54
(1,1420)	1:810:A:LYS:HG2	1:811:A:GLY:H	6	0.54
(1,1420)	1:810:A:LYS:HG3	1:811:A:GLY:H	6	0.54
(1,1420)	1:810:A:LYS:HG2	1:811:A:GLY:H	14	0.54
(1,1420)	1:810:A:LYS:HG3	1:811:A:GLY:H	14	0.54
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	3	0.54
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	3	0.54
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG12	3	0.54
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG13	3	0.54
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG12	16	0.54
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG13	16	0.54
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	7	0.54
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	7	0.54
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	17	0.54
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	17	0.54
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB2	11	0.54
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB3	11	0.54
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB2	11	0.54
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB3	11	0.54
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB2	11	0.54
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB3	11	0.54
(1,1215)	1:736:A:LEU:HB2	1:752:A:VAL:HB	5	0.54
(1,1215)	1:736:A:LEU:HB3	1:752:A:VAL:HB	5	0.54
(1,1215)	1:736:A:LEU:HB2	1:752:A:VAL:HB	14	0.54
(1,1215)	1:736:A:LEU:HB3	1:752:A:VAL:HB	14	0.54
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	10	0.54
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	10	0.54
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	19	0.54
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	19	0.54
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	19	0.54
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	19	0.54
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	19	0.54
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	19	0.54
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG11	9	0.54
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG12	9	0.54
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG13	9	0.54
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG21	9	0.54
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG22	9	0.54
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG23	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	10	0.54
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	15	0.54
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	15	0.54
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	18	0.54
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	18	0.54
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	20	0.54
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	20	0.54
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	15	0.54
(1,994)	1:704:A:ASN:H	1:741:A:ALA:H	8	0.54
(1,977)	1:700:A:THR:H	1:743:A:THR:H	19	0.54
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	14	0.54
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	19	0.54
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	19	0.54
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	19	0.54
(1,809)	1:830:A:TYR:HA	1:840:A:ILE:H	16	0.54
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	18	0.54
(1,707)	1:842:A:LYS:H	1:842:A:LYS:HG3	8	0.54
(1,707)	1:842:A:LYS:H	1:842:A:LYS:HG3	10	0.54
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	3	0.54
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	10	0.54
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	12	0.54
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	11	0.54
(1,545)	1:731:A:GLN:HA	1:731:A:GLN:HG2	19	0.54
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	20	0.54
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	20	0.54
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	20	0.54
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	20	0.54
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	20	0.54
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	20	0.54
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	20	0.54
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	20	0.54
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	20	0.54
(1,495)	1:779:A:LYS:HA	1:819:A:LYS:HA	4	0.54
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	4	0.54
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	17	0.54
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	18	0.54
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	6	0.54
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB1	10	0.54
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB2	10	0.54
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB3	10	0.54
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	14	0.54
(1,343)	1:820:A:GLN:HB3	1:829:A:LEU:HG	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD11	3	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD12	3	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD13	3	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD11	4	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD12	4	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD13	4	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD11	8	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD12	8	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD13	8	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD11	9	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD12	9	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD13	9	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD11	11	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD12	11	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD13	11	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD11	14	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD12	14	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD13	14	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD11	15	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD12	15	0.54
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD13	15	0.54
(1,277)	1:775:A:LYS:H	1:775:A:LYS:HG3	12	0.54
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	5	0.54
(1,183)	1:845:A:LEU:HB3	1:845:A:LEU:HD21	5	0.54
(1,183)	1:845:A:LEU:HB3	1:845:A:LEU:HD22	5	0.54
(1,183)	1:845:A:LEU:HB3	1:845:A:LEU:HD23	5	0.54
(1,183)	1:845:A:LEU:HB3	1:845:A:LEU:HD21	20	0.54
(1,183)	1:845:A:LEU:HB3	1:845:A:LEU:HD22	20	0.54
(1,183)	1:845:A:LEU:HB3	1:845:A:LEU:HD23	20	0.54
(1,125)	1:842:A:LYS:H	1:842:A:LYS:HG2	15	0.54
(1,125)	1:842:A:LYS:H	1:842:A:LYS:HG2	18	0.54
(1,116)	1:734:A:ARG:HA	1:734:A:ARG:HD3	3	0.54
(1,114)	1:836:A:LYS:HA	1:836:A:LYS:HG3	10	0.54
(1,48)	1:743:A:THR:HG21	1:745:A:GLY:H	15	0.54
(1,48)	1:743:A:THR:HG22	1:745:A:GLY:H	15	0.54
(1,48)	1:743:A:THR:HG23	1:745:A:GLY:H	15	0.54
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	11	0.53
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	11	0.53
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	16	0.53
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	16	0.53
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	13	0.53
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	13	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG21	5	0.53
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG22	5	0.53
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG23	5	0.53
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG21	5	0.53
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG22	5	0.53
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG23	5	0.53
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG21	5	0.53
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG22	5	0.53
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG23	5	0.53
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG21	5	0.53
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG22	5	0.53
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG23	5	0.53
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG21	5	0.53
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG22	5	0.53
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG23	5	0.53
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG21	5	0.53
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG22	5	0.53
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG23	5	0.53
(1,1275)	1:753:A:GLY:HA2	1:762:A:GLY:H	18	0.53
(1,1275)	1:753:A:GLY:HA3	1:762:A:GLY:H	18	0.53
(1,1219)	1:737:A:SER:HB2	1:755:A:TYR:HA	20	0.53
(1,1219)	1:737:A:SER:HB3	1:755:A:TYR:HA	20	0.53
(1,1164)	1:717:A:LEU:HD11	1:762:A:GLY:HA2	7	0.53
(1,1164)	1:717:A:LEU:HD11	1:762:A:GLY:HA3	7	0.53
(1,1164)	1:717:A:LEU:HD12	1:762:A:GLY:HA2	7	0.53
(1,1164)	1:717:A:LEU:HD12	1:762:A:GLY:HA3	7	0.53
(1,1164)	1:717:A:LEU:HD13	1:762:A:GLY:HA2	7	0.53
(1,1164)	1:717:A:LEU:HD13	1:762:A:GLY:HA3	7	0.53
(1,1164)	1:717:A:LEU:HD21	1:762:A:GLY:HA2	7	0.53
(1,1164)	1:717:A:LEU:HD21	1:762:A:GLY:HA3	7	0.53
(1,1164)	1:717:A:LEU:HD22	1:762:A:GLY:HA2	7	0.53
(1,1164)	1:717:A:LEU:HD22	1:762:A:GLY:HA3	7	0.53
(1,1164)	1:717:A:LEU:HD23	1:762:A:GLY:HA2	7	0.53
(1,1164)	1:717:A:LEU:HD23	1:762:A:GLY:HA3	7	0.53
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	18	0.53
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	18	0.53
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	18	0.53
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	18	0.53
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	18	0.53
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	18	0.53
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG2	16	0.53
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG3	16	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	1	0.53
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	14	0.53
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	3	0.53
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	3	0.53
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	5	0.53
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	5	0.53
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	20	0.53
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	20	0.53
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	20	0.53
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	19	0.53
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	1	0.53
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	1	0.53
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	1	0.53
(1,875)	1:794:A:THR:H	1:803:A:VAL:HA	17	0.53
(1,858)	1:822:A:GLN:HA	1:828:A:TYR:H	20	0.53
(1,734)	1:754:A:ASP:H	1:760:A:ASN:HA	1	0.53
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	7	0.53
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	16	0.53
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	20	0.53
(1,589)	1:749:A:PHE:HA	1:765:A:LYS:HA	8	0.53
(1,556)	1:783:A:THR:HG21	1:816:A:LYS:HA	3	0.53
(1,556)	1:783:A:THR:HG22	1:816:A:LYS:HA	3	0.53
(1,556)	1:783:A:THR:HG23	1:816:A:LYS:HA	3	0.53
(1,526)	1:781:A:ASN:HA	1:818:A:THR:HA	13	0.53
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB1	20	0.53
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB2	20	0.53
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB3	20	0.53
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB1	20	0.53
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB2	20	0.53
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB3	20	0.53
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB1	20	0.53
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB2	20	0.53
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB3	20	0.53
(1,515)	1:793:A:HIS:HA	1:803:A:VAL:HA	11	0.53
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	2	0.53
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	2	0.53
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	2	0.53
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	15	0.53
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	15	0.53
(1,416)	1:716:A:GLY:HA3	1:728:A:THR:HA	17	0.53
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	20	0.53
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD11	18	0.53
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD12	18	0.53
(1,301)	1:845:A:LEU:HB3	1:845:A:LEU:HD13	18	0.53
(1,229)	1:705:A:SER:HA	1:739:A:THR:HA	4	0.53
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD11	19	0.53
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD12	19	0.53
(1,223)	1:713:A:LYS:H	1:732:A:ILE:HD13	19	0.53
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	13	0.53
(1,183)	1:845:A:LEU:HB3	1:845:A:LEU:HD21	16	0.53
(1,183)	1:845:A:LEU:HB3	1:845:A:LEU:HD22	16	0.53
(1,183)	1:845:A:LEU:HB3	1:845:A:LEU:HD23	16	0.53
(1,125)	1:842:A:LYS:H	1:842:A:LYS:HG2	8	0.53
(1,125)	1:842:A:LYS:H	1:842:A:LYS:HG2	10	0.53
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	5	0.53
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	5	0.53
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	5	0.53
(1,2)	1:709:A:GLN:HB2	1:709:A:GLN:HG3	2	0.53
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA2	20	0.52
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA3	20	0.52
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA2	20	0.52
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA3	20	0.52
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA2	20	0.52
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA3	20	0.52
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	6	0.52
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	6	0.52
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	17	0.52
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	17	0.52
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG11	9	0.52
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG12	9	0.52
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG13	9	0.52
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG21	9	0.52
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG22	9	0.52
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG23	9	0.52
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG11	9	0.52
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG12	9	0.52
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG13	9	0.52
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG21	9	0.52
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG22	9	0.52
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG23	9	0.52
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG11	9	0.52
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG12	9	0.52
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG13	9	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG21	9	0.52
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG22	9	0.52
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG23	9	0.52
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG11	9	0.52
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG12	9	0.52
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG13	9	0.52
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG21	9	0.52
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG22	9	0.52
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG23	9	0.52
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG11	9	0.52
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG12	9	0.52
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG13	9	0.52
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG21	9	0.52
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG22	9	0.52
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG23	9	0.52
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG11	9	0.52
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG12	9	0.52
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG13	9	0.52
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG21	9	0.52
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG22	9	0.52
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG23	9	0.52
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	20	0.52
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	20	0.52
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB2	15	0.52
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB3	15	0.52
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB2	4	0.52
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB3	4	0.52
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB2	4	0.52
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB3	4	0.52
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB2	4	0.52
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB3	4	0.52
(1,1232)	1:739:A:THR:H	1:751:A:LEU:HB2	8	0.52
(1,1232)	1:739:A:THR:H	1:751:A:LEU:HB3	8	0.52
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	13	0.52
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	13	0.52
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	13	0.52
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	13	0.52
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	13	0.52
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	13	0.52
(1,1086)	1:784:A:TYR:H	1:784:A:TYR:HE1	14	0.52
(1,1086)	1:784:A:TYR:H	1:784:A:TYR:HE2	14	0.52
(1,1075)	1:797:A:TRP:H	1:797:A:TRP:HD1	12	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,957)	1:727:A:LYS:H	1:727:A:LYS:HD2	4	0.52
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	12	0.52
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	12	0.52
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	12	0.52
(1,891)	1:754:A:ASP:H	1:757:A:THR:H	1	0.52
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	3	0.52
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	20	0.52
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	20	0.52
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	8	0.52
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	15	0.52
(1,615)	1:725:A:LYS:HA	1:726:A:GLY:H	1	0.52
(1,615)	1:725:A:LYS:HA	1:726:A:GLY:H	13	0.52
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	11	0.52
(1,589)	1:749:A:PHE:HA	1:765:A:LYS:HA	14	0.52
(1,584)	1:796:A:PRO:HA	1:839:A:TRP:HB2	15	0.52
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	16	0.52
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	20	0.52
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB1	13	0.52
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB2	13	0.52
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB3	13	0.52
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	9	0.52
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	17	0.52
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	3	0.52
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	12	0.52
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	14	0.52
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	14	0.52
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	14	0.52
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	17	0.52
(1,277)	1:775:A:LYS:H	1:775:A:LYS:HG3	19	0.52
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD11	10	0.52
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD12	10	0.52
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD13	10	0.52
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	4	0.52
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	16	0.52
(1,155)	1:810:A:LYS:HA	1:810:A:LYS:HE3	5	0.52
(1,125)	1:842:A:LYS:H	1:842:A:LYS:HG2	5	0.52
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	3	0.52
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	5	0.52
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	6	0.52
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	14	0.52
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	9	0.52
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	9	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	9	0.52
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	13	0.52
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	3	0.52
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	9	0.52
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	9	0.52
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	9	0.52
(1,1463)	1:834:A:ASN:HB2	1:836:A:LYS:H	2	0.51
(1,1463)	1:834:A:ASN:HB3	1:836:A:LYS:H	2	0.51
(1,1420)	1:810:A:LYS:HG2	1:811:A:GLY:H	3	0.51
(1,1420)	1:810:A:LYS:HG3	1:811:A:GLY:H	3	0.51
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	14	0.51
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	14	0.51
(1,1317)	1:777:A:PRO:HB2	1:820:A:GLN:H	20	0.51
(1,1317)	1:777:A:PRO:HB3	1:820:A:GLN:H	20	0.51
(1,1297)	1:765:A:LYS:HB2	1:768:A:GLU:HB2	1	0.51
(1,1297)	1:765:A:LYS:HB2	1:768:A:GLU:HB3	1	0.51
(1,1297)	1:765:A:LYS:HB3	1:768:A:GLU:HB2	1	0.51
(1,1297)	1:765:A:LYS:HB3	1:768:A:GLU:HB3	1	0.51
(1,1215)	1:736:A:LEU:HB2	1:752:A:VAL:HB	2	0.51
(1,1215)	1:736:A:LEU:HB3	1:752:A:VAL:HB	2	0.51
(1,1202)	1:725:A:LYS:HG2	1:726:A:GLY:H	15	0.51
(1,1202)	1:725:A:LYS:HG3	1:726:A:GLY:H	15	0.51
(1,1202)	1:725:A:LYS:HG2	1:726:A:GLY:H	17	0.51
(1,1202)	1:725:A:LYS:HG3	1:726:A:GLY:H	17	0.51
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA2	3	0.51
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA3	3	0.51
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA2	3	0.51
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA3	3	0.51
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	4	0.51
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	4	0.51
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	14	0.51
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	14	0.51
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	14	0.51
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	14	0.51
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	14	0.51
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	14	0.51
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG11	10	0.51
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG12	10	0.51
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG13	10	0.51
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG21	10	0.51
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG22	10	0.51
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG23	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG11	10	0.51
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG12	10	0.51
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG13	10	0.51
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG21	10	0.51
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG22	10	0.51
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG23	10	0.51
(1,1066)	1:761:A:TYR:H	1:761:A:TYR:HE1	15	0.51
(1,1066)	1:761:A:TYR:H	1:761:A:TYR:HE2	15	0.51
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	16	0.51
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE1	14	0.51
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE2	14	0.51
(1,740)	1:796:A:PRO:HA	1:798:A:GLY:H	17	0.51
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	11	0.51
(1,707)	1:842:A:LYS:H	1:842:A:LYS:HG3	7	0.51
(1,615)	1:725:A:LYS:HA	1:726:A:GLY:H	17	0.51
(1,615)	1:725:A:LYS:HA	1:726:A:GLY:H	18	0.51
(1,589)	1:749:A:PHE:HA	1:765:A:LYS:HA	11	0.51
(1,589)	1:749:A:PHE:HA	1:765:A:LYS:HA	20	0.51
(1,572)	1:700:A:THR:H	1:743:A:THR:HB	16	0.51
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	5	0.51
(1,550)	1:814:A:THR:HG21	1:815:A:PHE:H	5	0.51
(1,550)	1:814:A:THR:HG22	1:815:A:PHE:H	5	0.51
(1,550)	1:814:A:THR:HG23	1:815:A:PHE:H	5	0.51
(1,550)	1:814:A:THR:HG21	1:815:A:PHE:H	20	0.51
(1,550)	1:814:A:THR:HG22	1:815:A:PHE:H	20	0.51
(1,550)	1:814:A:THR:HG23	1:815:A:PHE:H	20	0.51
(1,536)	1:840:A:ILE:H	1:840:A:ILE:HG12	5	0.51
(1,536)	1:840:A:ILE:H	1:840:A:ILE:HG12	20	0.51
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	14	0.51
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	14	0.51
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	14	0.51
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	14	0.51
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	14	0.51
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	14	0.51
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	14	0.51
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	14	0.51
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	14	0.51
(1,474)	1:819:A:LYS:HA	1:819:A:LYS:HG2	13	0.51
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	1	0.51
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	4	0.51
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	16	0.51
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	5	0.51
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	5	0.51
(1,424)	1:708:A:ALA:HA	1:771:A:TYR:HA	7	0.51
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	13	0.51
(1,351)	1:711:A:ASN:H	1:769:A:VAL:HA	15	0.51
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	1	0.51
(1,286)	1:795:A:VAL:HA	1:839:A:TRP:HD1	17	0.51
(1,279)	1:820:A:GLN:HB2	1:829:A:LEU:HG	5	0.51
(1,255)	1:713:A:LYS:HA	1:714:A:ASN:H	17	0.51
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD11	4	0.51
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD12	4	0.51
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD13	4	0.51
(1,176)	1:709:A:GLN:HB2	1:734:A:ARG:H	15	0.51
(1,164)	1:829:A:LEU:H	1:839:A:TRP:HA	1	0.51
(1,148)	1:734:A:ARG:HA	1:734:A:ARG:HG3	19	0.51
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	15	0.51
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	1	0.51
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	2	0.51
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	10	0.51
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	12	0.51
(1,1450)	1:825:A:LYS:HG2	1:825:A:LYS:HE2	2	0.5
(1,1450)	1:825:A:LYS:HG2	1:825:A:LYS:HE3	2	0.5
(1,1450)	1:825:A:LYS:HG3	1:825:A:LYS:HE2	2	0.5
(1,1450)	1:825:A:LYS:HG3	1:825:A:LYS:HE3	2	0.5
(1,1318)	1:777:A:PRO:HB2	1:821:A:GLN:HB2	14	0.5
(1,1318)	1:777:A:PRO:HB2	1:821:A:GLN:HB3	14	0.5
(1,1318)	1:777:A:PRO:HB3	1:821:A:GLN:HB2	14	0.5
(1,1318)	1:777:A:PRO:HB3	1:821:A:GLN:HB3	14	0.5
(1,1297)	1:765:A:LYS:HB2	1:768:A:GLU:HB2	9	0.5
(1,1297)	1:765:A:LYS:HB2	1:768:A:GLU:HB3	9	0.5
(1,1297)	1:765:A:LYS:HB3	1:768:A:GLU:HB2	9	0.5
(1,1297)	1:765:A:LYS:HB3	1:768:A:GLU:HB3	9	0.5
(1,1215)	1:736:A:LEU:HB2	1:752:A:VAL:HB	9	0.5
(1,1215)	1:736:A:LEU:HB3	1:752:A:VAL:HB	9	0.5
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB2	7	0.5
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB3	7	0.5
(1,1182)	1:720:A:THR:HG21	1:722:A:TYR:HB2	17	0.5
(1,1182)	1:720:A:THR:HG21	1:722:A:TYR:HB3	17	0.5
(1,1182)	1:720:A:THR:HG22	1:722:A:TYR:HB2	17	0.5
(1,1182)	1:720:A:THR:HG22	1:722:A:TYR:HB3	17	0.5
(1,1182)	1:720:A:THR:HG23	1:722:A:TYR:HB2	17	0.5
(1,1182)	1:720:A:THR:HG23	1:722:A:TYR:HB3	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA2	4	0.5
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA3	4	0.5
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA2	4	0.5
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA3	4	0.5
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	4	0.5
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	4	0.5
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	4	0.5
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	4	0.5
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	4	0.5
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	4	0.5
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB1	8	0.5
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB2	8	0.5
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB3	8	0.5
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB1	8	0.5
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB2	8	0.5
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB3	8	0.5
(1,1118)	1:706:A:GLY:HA2	1:772:A:ASN:H	5	0.5
(1,1118)	1:706:A:GLY:HA3	1:772:A:ASN:H	5	0.5
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD1	6	0.5
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD2	6	0.5
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	2	0.5
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	12	0.5
(1,923)	1:780:A:ILE:H	1:818:A:THR:HA	11	0.5
(1,900)	1:783:A:THR:HG21	1:815:A:PHE:H	15	0.5
(1,900)	1:783:A:THR:HG22	1:815:A:PHE:H	15	0.5
(1,900)	1:783:A:THR:HG23	1:815:A:PHE:H	15	0.5
(1,863)	1:728:A:THR:HG21	1:729:A:THR:H	20	0.5
(1,863)	1:728:A:THR:HG22	1:729:A:THR:H	20	0.5
(1,863)	1:728:A:THR:HG23	1:729:A:THR:H	20	0.5
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	4	0.5
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	5	0.5
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	20	0.5
(1,810)	1:839:A:TRP:HE3	1:840:A:ILE:H	18	0.5
(1,726)	1:830:A:TYR:HD1	1:831:A:GLY:H	11	0.5
(1,726)	1:830:A:TYR:HD2	1:831:A:GLY:H	11	0.5
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	9	0.5
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	16	0.5
(1,709)	1:793:A:HIS:H	1:793:A:HIS:HD2	17	0.5
(1,707)	1:842:A:LYS:H	1:842:A:LYS:HG3	15	0.5
(1,646)	1:717:A:LEU:HA	1:717:A:LEU:HG	14	0.5
(1,613)	1:817:A:ALA:HA	1:831:A:GLY:HA2	14	0.5
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD21	6	0.5
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD22	6	0.5
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD23	6	0.5
(1,573)	1:743:A:THR:HA	1:743:A:THR:HB	2	0.5
(1,573)	1:743:A:THR:HA	1:743:A:THR:HB	5	0.5
(1,573)	1:743:A:THR:HA	1:743:A:THR:HB	9	0.5
(1,573)	1:743:A:THR:HA	1:743:A:THR:HB	18	0.5
(1,542)	1:704:A:ASN:HB3	1:741:A:ALA:HB1	8	0.5
(1,542)	1:704:A:ASN:HB3	1:741:A:ALA:HB2	8	0.5
(1,542)	1:704:A:ASN:HB3	1:741:A:ALA:HB3	8	0.5
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	6	0.5
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	10	0.5
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	5	0.5
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	5	0.5
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	5	0.5
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB1	10	0.5
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB2	10	0.5
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB3	10	0.5
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB1	19	0.5
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB2	19	0.5
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB3	19	0.5
(1,519)	1:804:A:ALA:HB1	1:839:A:TRP:H	7	0.5
(1,519)	1:804:A:ALA:HB2	1:839:A:TRP:H	7	0.5
(1,519)	1:804:A:ALA:HB3	1:839:A:TRP:H	7	0.5
(1,502)	1:842:A:LYS:HA	1:842:A:LYS:HG3	19	0.5
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	5	0.5
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	10	0.5
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	11	0.5
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	11	0.5
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	11	0.5
(1,416)	1:716:A:GLY:HA3	1:728:A:THR:HA	19	0.5
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	7	0.5
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	4	0.5
(1,155)	1:810:A:LYS:HA	1:810:A:LYS:HE3	11	0.5
(1,155)	1:810:A:LYS:HA	1:810:A:LYS:HE3	12	0.5
(1,155)	1:810:A:LYS:HA	1:810:A:LYS:HE3	15	0.5
(1,148)	1:734:A:ARG:HA	1:734:A:ARG:HG3	6	0.5
(1,115)	1:836:A:LYS:H	1:836:A:LYS:HG3	20	0.5
(1,110)	1:785:A:ASN:HA	1:814:A:THR:HA	3	0.5
(1,100)	1:810:A:LYS:HA	1:810:A:LYS:HG2	20	0.5
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	4	0.5
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	13	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	20	0.5
(1,69)	1:709:A:GLN:HA	1:736:A:LEU:HG	10	0.5
(1,63)	1:796:A:PRO:HA	1:839:A:TRP:HB3	20	0.5
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	7	0.5
(1,1450)	1:825:A:LYS:HG2	1:825:A:LYS:HE2	20	0.49
(1,1450)	1:825:A:LYS:HG2	1:825:A:LYS:HE3	20	0.49
(1,1450)	1:825:A:LYS:HG3	1:825:A:LYS:HE2	20	0.49
(1,1450)	1:825:A:LYS:HG3	1:825:A:LYS:HE3	20	0.49
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB2	20	0.49
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB3	20	0.49
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG21	1	0.49
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG22	1	0.49
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG23	1	0.49
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG21	1	0.49
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG22	1	0.49
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG23	1	0.49
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	12	0.49
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	12	0.49
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB2	18	0.49
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB3	18	0.49
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG2	9	0.49
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG3	9	0.49
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG2	9	0.49
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG3	9	0.49
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG2	9	0.49
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG3	9	0.49
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG2	9	0.49
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG3	9	0.49
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG2	9	0.49
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG3	9	0.49
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG2	9	0.49
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG3	9	0.49
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG21	2	0.49
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG22	2	0.49
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG23	2	0.49
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG21	2	0.49
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG22	2	0.49
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG23	2	0.49
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG21	2	0.49
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG22	2	0.49
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG23	2	0.49
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG21	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG22	2	0.49
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG23	2	0.49
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG21	2	0.49
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG22	2	0.49
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG23	2	0.49
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG21	2	0.49
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG22	2	0.49
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG23	2	0.49
(1,1297)	1:765:A:LYS:HB2	1:768:A:GLU:HB2	20	0.49
(1,1297)	1:765:A:LYS:HB2	1:768:A:GLU:HB3	20	0.49
(1,1297)	1:765:A:LYS:HB3	1:768:A:GLU:HB2	20	0.49
(1,1297)	1:765:A:LYS:HB3	1:768:A:GLU:HB3	20	0.49
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD11	2	0.49
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD12	2	0.49
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD13	2	0.49
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD21	2	0.49
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD22	2	0.49
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD23	2	0.49
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	17	0.49
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	17	0.49
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	16	0.49
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	16	0.49
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	16	0.49
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	16	0.49
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	16	0.49
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	16	0.49
(1,1129)	1:707:A:VAL:HG11	1:774:A:ALA:HB1	19	0.49
(1,1129)	1:707:A:VAL:HG11	1:774:A:ALA:HB2	19	0.49
(1,1129)	1:707:A:VAL:HG11	1:774:A:ALA:HB3	19	0.49
(1,1129)	1:707:A:VAL:HG12	1:774:A:ALA:HB1	19	0.49
(1,1129)	1:707:A:VAL:HG12	1:774:A:ALA:HB2	19	0.49
(1,1129)	1:707:A:VAL:HG12	1:774:A:ALA:HB3	19	0.49
(1,1129)	1:707:A:VAL:HG13	1:774:A:ALA:HB1	19	0.49
(1,1129)	1:707:A:VAL:HG13	1:774:A:ALA:HB2	19	0.49
(1,1129)	1:707:A:VAL:HG13	1:774:A:ALA:HB3	19	0.49
(1,1129)	1:707:A:VAL:HG21	1:774:A:ALA:HB1	19	0.49
(1,1129)	1:707:A:VAL:HG21	1:774:A:ALA:HB2	19	0.49
(1,1129)	1:707:A:VAL:HG21	1:774:A:ALA:HB3	19	0.49
(1,1129)	1:707:A:VAL:HG22	1:774:A:ALA:HB1	19	0.49
(1,1129)	1:707:A:VAL:HG22	1:774:A:ALA:HB2	19	0.49
(1,1129)	1:707:A:VAL:HG22	1:774:A:ALA:HB3	19	0.49
(1,1129)	1:707:A:VAL:HG23	1:774:A:ALA:HB1	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1129)	1:707:A:VAL:HG23	1:774:A:ALA:HB2	19	0.49
(1,1129)	1:707:A:VAL:HG23	1:774:A:ALA:HB3	19	0.49
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB1	9	0.49
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB2	9	0.49
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB3	9	0.49
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB1	9	0.49
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB2	9	0.49
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB3	9	0.49
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB1	9	0.49
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB2	9	0.49
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB3	9	0.49
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB1	9	0.49
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB2	9	0.49
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB3	9	0.49
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB1	9	0.49
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB2	9	0.49
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB3	9	0.49
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB1	9	0.49
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB2	9	0.49
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB3	9	0.49
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	9	0.49
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	17	0.49
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	10	0.49
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	10	0.49
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD1	3	0.49
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD2	3	0.49
(1,1038)	1:793:A:HIS:HA	1:793:A:HIS:HD2	15	0.49
(1,957)	1:727:A:LYS:H	1:727:A:LYS:HD2	13	0.49
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	7	0.49
(1,923)	1:780:A:ILE:H	1:818:A:THR:HA	18	0.49
(1,863)	1:728:A:THR:HG21	1:729:A:THR:H	4	0.49
(1,863)	1:728:A:THR:HG22	1:729:A:THR:H	4	0.49
(1,863)	1:728:A:THR:HG23	1:729:A:THR:H	4	0.49
(1,781)	1:713:A:LYS:H	1:713:A:LYS:HG3	16	0.49
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	11	0.49
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	3	0.49
(1,668)	1:773:A:THR:H	1:773:A:THR:HG21	8	0.49
(1,668)	1:773:A:THR:H	1:773:A:THR:HG22	8	0.49
(1,668)	1:773:A:THR:H	1:773:A:THR:HG23	8	0.49
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	17	0.49
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	17	0.49
(1,573)	1:743:A:THR:HA	1:743:A:THR:HB	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,573)	1:743:A:THR:HA	1:743:A:THR:HB	19	0.49
(1,572)	1:700:A:THR:H	1:743:A:THR:HB	15	0.49
(1,550)	1:814:A:THR:HG21	1:815:A:PHE:H	1	0.49
(1,550)	1:814:A:THR:HG22	1:815:A:PHE:H	1	0.49
(1,550)	1:814:A:THR:HG23	1:815:A:PHE:H	1	0.49
(1,540)	1:707:A:VAL:HA	1:707:A:VAL:HB	18	0.49
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB1	1	0.49
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB2	1	0.49
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB3	1	0.49
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB1	1	0.49
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB2	1	0.49
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB3	1	0.49
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB1	1	0.49
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB2	1	0.49
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB3	1	0.49
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	4	0.49
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	14	0.49
(1,502)	1:842:A:LYS:HA	1:842:A:LYS:HG3	14	0.49
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	2	0.49
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	14	0.49
(1,431)	1:825:A:LYS:HG2	1:825:A:LYS:HD2	5	0.49
(1,424)	1:708:A:ALA:HA	1:771:A:TYR:HA	11	0.49
(1,359)	1:832:A:THR:HG21	1:837:A:SER:HA	6	0.49
(1,359)	1:832:A:THR:HG22	1:837:A:SER:HA	6	0.49
(1,359)	1:832:A:THR:HG23	1:837:A:SER:HA	6	0.49
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	11	0.49
(1,277)	1:775:A:LYS:H	1:775:A:LYS:HG3	1	0.49
(1,277)	1:775:A:LYS:H	1:775:A:LYS:HG3	2	0.49
(1,277)	1:775:A:LYS:H	1:775:A:LYS:HG3	11	0.49
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD11	1	0.49
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD12	1	0.49
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD13	1	0.49
(1,164)	1:829:A:LEU:H	1:839:A:TRP:HA	3	0.49
(1,110)	1:785:A:ASN:HA	1:814:A:THR:HA	19	0.49
(1,90)	1:825:A:LYS:HG2	1:825:A:LYS:HD3	1	0.49
(1,90)	1:825:A:LYS:HG2	1:825:A:LYS:HD3	6	0.49
(1,90)	1:825:A:LYS:HG2	1:825:A:LYS:HD3	12	0.49
(1,90)	1:825:A:LYS:HG2	1:825:A:LYS:HD3	14	0.49
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	1	0.49
(1,28)	1:765:A:LYS:HA	1:765:A:LYS:HG2	8	0.49
(1,1457)	1:829:A:LEU:HD11	1:842:A:LYS:H	2	0.48
(1,1457)	1:829:A:LEU:HD12	1:842:A:LYS:H	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1457)	1:829:A:LEU:HD13	1:842:A:LYS:H	2	0.48
(1,1457)	1:829:A:LEU:HD21	1:842:A:LYS:H	2	0.48
(1,1457)	1:829:A:LEU:HD22	1:842:A:LYS:H	2	0.48
(1,1457)	1:829:A:LEU:HD23	1:842:A:LYS:H	2	0.48
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	7	0.48
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	7	0.48
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	8	0.48
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	8	0.48
(1,1420)	1:810:A:LYS:HG2	1:811:A:GLY:H	7	0.48
(1,1420)	1:810:A:LYS:HG3	1:811:A:GLY:H	7	0.48
(1,1392)	1:793:A:HIS:HB2	1:798:A:GLY:H	9	0.48
(1,1392)	1:793:A:HIS:HB3	1:798:A:GLY:H	9	0.48
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG21	19	0.48
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG22	19	0.48
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG23	19	0.48
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG21	19	0.48
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG22	19	0.48
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG23	19	0.48
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG11	11	0.48
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG12	11	0.48
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG13	11	0.48
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG21	11	0.48
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG22	11	0.48
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG23	11	0.48
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG11	11	0.48
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG12	11	0.48
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG13	11	0.48
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG21	11	0.48
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG22	11	0.48
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG23	11	0.48
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG11	11	0.48
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG12	11	0.48
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG13	11	0.48
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG21	11	0.48
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG22	11	0.48
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG23	11	0.48
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG11	11	0.48
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG12	11	0.48
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG13	11	0.48
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG21	11	0.48
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG22	11	0.48
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG23	11	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG11	11	0.48
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG12	11	0.48
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG13	11	0.48
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG21	11	0.48
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG22	11	0.48
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG23	11	0.48
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG11	11	0.48
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG12	11	0.48
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG13	11	0.48
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG21	11	0.48
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG22	11	0.48
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG23	11	0.48
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB2	6	0.48
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB3	6	0.48
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB2	6	0.48
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB3	6	0.48
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	10	0.48
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	10	0.48
(1,1317)	1:777:A:PRO:HB2	1:820:A:GLN:H	19	0.48
(1,1317)	1:777:A:PRO:HB3	1:820:A:GLN:H	19	0.48
(1,1313)	1:775:A:LYS:HB2	1:822:A:GLN:H	6	0.48
(1,1313)	1:775:A:LYS:HB3	1:822:A:GLN:H	6	0.48
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG11	20	0.48
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG12	20	0.48
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG13	20	0.48
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG21	20	0.48
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG22	20	0.48
(1,1284)	1:755:A:TYR:HB2	1:795:A:VAL:HG23	20	0.48
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG11	20	0.48
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG12	20	0.48
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG13	20	0.48
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG21	20	0.48
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG22	20	0.48
(1,1284)	1:755:A:TYR:HB3	1:795:A:VAL:HG23	20	0.48
(1,1215)	1:736:A:LEU:HB2	1:752:A:VAL:HB	15	0.48
(1,1215)	1:736:A:LEU:HB3	1:752:A:VAL:HB	15	0.48
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	9	0.48
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	9	0.48
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	9	0.48
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	9	0.48
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	12	0.48
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	12	0.48
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	12	0.48
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	12	0.48
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	12	0.48
(1,1076)	1:797:A:TRP:HA	1:797:A:TRP:HD1	13	0.48
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	13	0.48
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	2	0.48
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	2	0.48
(1,957)	1:727:A:LYS:H	1:727:A:LYS:HD2	14	0.48
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	11	0.48
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	14	0.48
(1,888)	1:799:A:THR:H	1:801:A:ASN:H	16	0.48
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE1	9	0.48
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE2	9	0.48
(1,863)	1:728:A:THR:HG21	1:729:A:THR:H	16	0.48
(1,863)	1:728:A:THR:HG22	1:729:A:THR:H	16	0.48
(1,863)	1:728:A:THR:HG23	1:729:A:THR:H	16	0.48
(1,740)	1:796:A:PRO:HA	1:798:A:GLY:H	9	0.48
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	2	0.48
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	2	0.48
(1,707)	1:842:A:LYS:H	1:842:A:LYS:HG3	1	0.48
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	16	0.48
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE1	2	0.48
(1,656)	1:771:A:TYR:HA	1:771:A:TYR:HE2	2	0.48
(1,646)	1:717:A:LEU:HA	1:717:A:LEU:HG	12	0.48
(1,646)	1:717:A:LEU:HA	1:717:A:LEU:HG	13	0.48
(1,646)	1:717:A:LEU:HA	1:717:A:LEU:HG	18	0.48
(1,646)	1:717:A:LEU:HA	1:717:A:LEU:HG	20	0.48
(1,635)	1:717:A:LEU:HA	1:764:A:VAL:HA	19	0.48
(1,628)	1:810:A:LYS:HA	1:810:A:LYS:HB2	12	0.48
(1,628)	1:810:A:LYS:HA	1:810:A:LYS:HB2	14	0.48
(1,628)	1:810:A:LYS:HA	1:810:A:LYS:HB2	16	0.48
(1,628)	1:810:A:LYS:HA	1:810:A:LYS:HB2	18	0.48
(1,615)	1:725:A:LYS:HA	1:726:A:GLY:H	2	0.48
(1,612)	1:753:A:GLY:HA2	1:760:A:ASN:HA	13	0.48
(1,572)	1:700:A:THR:H	1:743:A:THR:HB	3	0.48
(1,540)	1:707:A:VAL:HA	1:707:A:VAL:HB	4	0.48
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	18	0.48
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	18	0.48
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	18	0.48
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	18	0.48
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	18	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	18	0.48
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	18	0.48
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	18	0.48
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	18	0.48
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	4	0.48
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB1	17	0.48
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB2	17	0.48
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB3	17	0.48
(1,485)	1:725:A:LYS:H	1:725:A:LYS:HG3	12	0.48
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	1	0.48
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	2	0.48
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	5	0.48
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	7	0.48
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	13	0.48
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	15	0.48
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	19	0.48
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	8	0.48
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	13	0.48
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	18	0.48
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	18	0.48
(1,431)	1:825:A:LYS:HG2	1:825:A:LYS:HD2	7	0.48
(1,431)	1:825:A:LYS:HG2	1:825:A:LYS:HD2	10	0.48
(1,431)	1:825:A:LYS:HG2	1:825:A:LYS:HD2	11	0.48
(1,431)	1:825:A:LYS:HG2	1:825:A:LYS:HD2	18	0.48
(1,424)	1:708:A:ALA:HA	1:771:A:TYR:HA	18	0.48
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	8	0.48
(1,359)	1:832:A:THR:HG21	1:837:A:SER:HA	4	0.48
(1,359)	1:832:A:THR:HG22	1:837:A:SER:HA	4	0.48
(1,359)	1:832:A:THR:HG23	1:837:A:SER:HA	4	0.48
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	16	0.48
(1,316)	1:725:A:LYS:H	1:725:A:LYS:HG2	20	0.48
(1,277)	1:775:A:LYS:H	1:775:A:LYS:HG3	16	0.48
(1,258)	1:810:A:LYS:HA	1:810:A:LYS:HB3	2	0.48
(1,258)	1:810:A:LYS:HA	1:810:A:LYS:HB3	19	0.48
(1,255)	1:713:A:LYS:HA	1:714:A:ASN:H	4	0.48
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD11	20	0.48
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD12	20	0.48
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD13	20	0.48
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	5	0.48
(1,189)	1:721:A:VAL:HA	1:721:A:VAL:HB	6	0.48
(1,189)	1:721:A:VAL:HA	1:721:A:VAL:HB	9	0.48
(1,155)	1:810:A:LYS:HA	1:810:A:LYS:HE3	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:780:A:ILE:H	1:780:A:ILE:HD11	7	0.48
(1,105)	1:780:A:ILE:H	1:780:A:ILE:HD12	7	0.48
(1,105)	1:780:A:ILE:H	1:780:A:ILE:HD13	7	0.48
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	19	0.48
(1,90)	1:825:A:LYS:HG2	1:825:A:LYS:HD3	3	0.48
(1,90)	1:825:A:LYS:HG2	1:825:A:LYS:HD3	4	0.48
(1,90)	1:825:A:LYS:HG2	1:825:A:LYS:HD3	15	0.48
(1,90)	1:825:A:LYS:HG2	1:825:A:LYS:HD3	16	0.48
(1,38)	1:815:A:PHE:HA	1:833:A:VAL:HA	10	0.48
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG21	8	0.47
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG22	8	0.47
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG23	8	0.47
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG21	8	0.47
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG22	8	0.47
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG23	8	0.47
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	3	0.47
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	3	0.47
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	12	0.47
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	12	0.47
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB2	17	0.47
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB3	17	0.47
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB2	17	0.47
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB3	17	0.47
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG21	13	0.47
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG22	13	0.47
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG23	13	0.47
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG21	13	0.47
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG22	13	0.47
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG23	13	0.47
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB2	8	0.47
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB3	8	0.47
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	4	0.47
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	4	0.47
(1,1147)	1:711:A:ASN:HB2	1:713:A:LYS:HB2	11	0.47
(1,1147)	1:711:A:ASN:HB2	1:713:A:LYS:HB3	11	0.47
(1,1147)	1:711:A:ASN:HB3	1:713:A:LYS:HB2	11	0.47
(1,1147)	1:711:A:ASN:HB3	1:713:A:LYS:HB3	11	0.47
(1,1118)	1:706:A:GLY:HA2	1:772:A:ASN:H	13	0.47
(1,1118)	1:706:A:GLY:HA3	1:772:A:ASN:H	13	0.47
(1,1113)	1:704:A:ASN:HB2	1:741:A:ALA:H	8	0.47
(1,1113)	1:704:A:ASN:HB3	1:741:A:ALA:H	8	0.47
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	1	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	1	0.47
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	1	0.47
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	1	0.47
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	1	0.47
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	1	0.47
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	3	0.47
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	3	0.47
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	3	0.47
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	3	0.47
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	3	0.47
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	3	0.47
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	16	0.47
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	16	0.47
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	16	0.47
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	16	0.47
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	16	0.47
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	16	0.47
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	7	0.47
(1,969)	1:748:A:LYS:H	1:748:A:LYS:HG3	6	0.47
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	9	0.47
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	2	0.47
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	4	0.47
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	6	0.47
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	13	0.47
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE1	18	0.47
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE2	18	0.47
(1,861)	1:823:A:ILE:HB	1:828:A:TYR:H	12	0.47
(1,823)	1:780:A:ILE:HD11	1:781:A:ASN:H	19	0.47
(1,823)	1:780:A:ILE:HD12	1:781:A:ASN:H	19	0.47
(1,823)	1:780:A:ILE:HD13	1:781:A:ASN:H	19	0.47
(1,745)	1:823:A:ILE:H	1:826:A:ALA:H	7	0.47
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	6	0.47
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	2	0.47
(1,628)	1:810:A:LYS:HA	1:810:A:LYS:HB2	1	0.47
(1,628)	1:810:A:LYS:HA	1:810:A:LYS:HB2	3	0.47
(1,628)	1:810:A:LYS:HA	1:810:A:LYS:HB2	5	0.47
(1,628)	1:810:A:LYS:HA	1:810:A:LYS:HB2	6	0.47
(1,628)	1:810:A:LYS:HA	1:810:A:LYS:HB2	7	0.47
(1,628)	1:810:A:LYS:HA	1:810:A:LYS:HB2	8	0.47
(1,628)	1:810:A:LYS:HA	1:810:A:LYS:HB2	9	0.47
(1,628)	1:810:A:LYS:HA	1:810:A:LYS:HB2	11	0.47
(1,628)	1:810:A:LYS:HA	1:810:A:LYS:HB2	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,628)	1:810:A:LYS:HA	1:810:A:LYS:HB2	15	0.47
(1,628)	1:810:A:LYS:HA	1:810:A:LYS:HB2	20	0.47
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	6	0.47
(1,615)	1:725:A:LYS:HA	1:726:A:GLY:H	7	0.47
(1,580)	1:731:A:GLN:HA	1:731:A:GLN:HG3	15	0.47
(1,550)	1:814:A:THR:HG21	1:815:A:PHE:H	7	0.47
(1,550)	1:814:A:THR:HG22	1:815:A:PHE:H	7	0.47
(1,550)	1:814:A:THR:HG23	1:815:A:PHE:H	7	0.47
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	4	0.47
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB1	11	0.47
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB2	11	0.47
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB3	11	0.47
(1,519)	1:804:A:ALA:HB1	1:839:A:TRP:H	16	0.47
(1,519)	1:804:A:ALA:HB2	1:839:A:TRP:H	16	0.47
(1,519)	1:804:A:ALA:HB3	1:839:A:TRP:H	16	0.47
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	18	0.47
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	11	0.47
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	13	0.47
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	13	0.47
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	13	0.47
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	3	0.47
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	4	0.47
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	8	0.47
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	9	0.47
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	10	0.47
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	11	0.47
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	12	0.47
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	16	0.47
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	20	0.47
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	11	0.47
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	18	0.47
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	20	0.47
(1,384)	1:842:A:LYS:HA	1:842:A:LYS:HG2	10	0.47
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	3	0.47
(1,274)	1:754:A:ASP:HB2	1:759:A:THR:HB	5	0.47
(1,258)	1:810:A:LYS:HA	1:810:A:LYS:HB3	10	0.47
(1,258)	1:810:A:LYS:HA	1:810:A:LYS:HB3	17	0.47
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	16	0.47
(1,167)	1:839:A:TRP:HA	1:839:A:TRP:HE3	15	0.47
(1,155)	1:810:A:LYS:HA	1:810:A:LYS:HE3	19	0.47
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	3	0.47
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	3	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	3	0.47
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB2	5	0.46
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB3	5	0.46
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB2	5	0.46
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB3	5	0.46
(1,1450)	1:825:A:LYS:HG2	1:825:A:LYS:HE2	3	0.46
(1,1450)	1:825:A:LYS:HG2	1:825:A:LYS:HE3	3	0.46
(1,1450)	1:825:A:LYS:HG3	1:825:A:LYS:HE2	3	0.46
(1,1450)	1:825:A:LYS:HG3	1:825:A:LYS:HE3	3	0.46
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	18	0.46
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	18	0.46
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	11	0.46
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	11	0.46
(1,1334)	1:783:A:THR:HA	1:816:A:LYS:HG2	17	0.46
(1,1334)	1:783:A:THR:HA	1:816:A:LYS:HG3	17	0.46
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG2	18	0.46
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG3	18	0.46
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG2	18	0.46
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG3	18	0.46
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG2	18	0.46
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG3	18	0.46
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG2	18	0.46
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG3	18	0.46
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG2	18	0.46
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG3	18	0.46
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG2	18	0.46
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG3	18	0.46
(1,1318)	1:777:A:PRO:HB2	1:821:A:GLN:HB2	12	0.46
(1,1318)	1:777:A:PRO:HB2	1:821:A:GLN:HB3	12	0.46
(1,1318)	1:777:A:PRO:HB3	1:821:A:GLN:HB2	12	0.46
(1,1318)	1:777:A:PRO:HB3	1:821:A:GLN:HB3	12	0.46
(1,1313)	1:775:A:LYS:HB2	1:822:A:GLN:H	9	0.46
(1,1313)	1:775:A:LYS:HB3	1:822:A:GLN:H	9	0.46
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG11	14	0.46
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG12	14	0.46
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG13	14	0.46
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG21	14	0.46
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG22	14	0.46
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG23	14	0.46
(1,1243)	1:744:A:LEU:HB2	1:747:A:LYS:H	8	0.46
(1,1243)	1:744:A:LEU:HB3	1:747:A:LYS:H	8	0.46
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD11	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD12	8	0.46
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD13	8	0.46
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD21	8	0.46
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD22	8	0.46
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD23	8	0.46
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD11	8	0.46
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD12	8	0.46
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD13	8	0.46
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD21	8	0.46
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD22	8	0.46
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD23	8	0.46
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB1	3	0.46
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB2	3	0.46
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB3	3	0.46
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB1	3	0.46
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB2	3	0.46
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB3	3	0.46
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB1	3	0.46
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB2	3	0.46
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB3	3	0.46
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB1	3	0.46
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB2	3	0.46
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB3	3	0.46
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB1	3	0.46
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB2	3	0.46
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB3	3	0.46
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB1	3	0.46
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB2	3	0.46
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB3	3	0.46
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB2	13	0.46
(1,1185)	1:721:A:VAL:HA	1:763:A:TRP:HB3	13	0.46
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	7	0.46
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	7	0.46
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	7	0.46
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	7	0.46
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	7	0.46
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	7	0.46
(1,1119)	1:706:A:GLY:HA2	1:773:A:THR:HA	9	0.46
(1,1119)	1:706:A:GLY:HA3	1:773:A:THR:HA	9	0.46
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	11	0.46
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	14	0.46
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	14	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE1	16	0.46
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE2	16	0.46
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE1	16	0.46
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE2	16	0.46
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE1	16	0.46
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE2	16	0.46
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	5	0.46
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	6	0.46
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	13	0.46
(1,997)	1:753:A:GLY:HA3	1:761:A:TYR:H	17	0.46
(1,984)	1:751:A:LEU:HA	1:762:A:GLY:H	3	0.46
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	13	0.46
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	20	0.46
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	3	0.46
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	15	0.46
(1,914)	1:795:A:VAL:H	1:798:A:GLY:H	10	0.46
(1,875)	1:794:A:THR:H	1:803:A:VAL:HA	5	0.46
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	8	0.46
(1,830)	1:718:A:TYR:H	1:763:A:TRP:H	16	0.46
(1,646)	1:717:A:LEU:HA	1:717:A:LEU:HG	5	0.46
(1,615)	1:725:A:LYS:HA	1:726:A:GLY:H	4	0.46
(1,615)	1:725:A:LYS:HA	1:726:A:GLY:H	19	0.46
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	4	0.46
(1,580)	1:731:A:GLN:HA	1:731:A:GLN:HG3	16	0.46
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	8	0.46
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	8	0.46
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	8	0.46
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	8	0.46
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	18	0.46
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	15	0.46
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	15	0.46
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	15	0.46
(1,485)	1:725:A:LYS:H	1:725:A:LYS:HG3	14	0.46
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	6	0.46
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	17	0.46
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	2	0.46
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	17	0.46
(1,351)	1:711:A:ASN:H	1:769:A:VAL:HA	3	0.46
(1,348)	1:732:A:ILE:HA	1:732:A:ILE:HG12	10	0.46
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	17	0.46
(1,316)	1:725:A:LYS:H	1:725:A:LYS:HG2	17	0.46
(1,286)	1:795:A:VAL:HA	1:839:A:TRP:HD1	9	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:713:A:LYS:HA	1:714:A:ASN:H	5	0.46
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	15	0.46
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	7	0.46
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	18	0.46
(1,184)	1:708:A:ALA:HB1	1:769:A:VAL:HB	2	0.46
(1,184)	1:708:A:ALA:HB2	1:769:A:VAL:HB	2	0.46
(1,184)	1:708:A:ALA:HB3	1:769:A:VAL:HB	2	0.46
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD11	18	0.46
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD12	18	0.46
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD13	18	0.46
(1,165)	1:831:A:GLY:H	1:839:A:TRP:HA	1	0.46
(1,165)	1:831:A:GLY:H	1:839:A:TRP:HA	19	0.46
(1,155)	1:810:A:LYS:HA	1:810:A:LYS:HE3	3	0.46
(1,116)	1:734:A:ARG:HA	1:734:A:ARG:HD3	1	0.46
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	10	0.46
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	10	0.46
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	10	0.46
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	4	0.46
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	2	0.46
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	2	0.46
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	2	0.46
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	4	0.46
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	4	0.46
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	4	0.46
(1,38)	1:815:A:PHE:HA	1:833:A:VAL:HA	17	0.46
(1,37)	1:815:A:PHE:HA	1:832:A:THR:H	13	0.46
(1,1469)	1:836:A:LYS:HD2	1:837:A:SER:H	13	0.45
(1,1469)	1:836:A:LYS:HD3	1:837:A:SER:H	13	0.45
(1,1450)	1:825:A:LYS:HG2	1:825:A:LYS:HE2	12	0.45
(1,1450)	1:825:A:LYS:HG2	1:825:A:LYS:HE3	12	0.45
(1,1450)	1:825:A:LYS:HG3	1:825:A:LYS:HE2	12	0.45
(1,1450)	1:825:A:LYS:HG3	1:825:A:LYS:HE3	12	0.45
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	20	0.45
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	20	0.45
(1,1314)	1:775:A:LYS:HB2	1:822:A:GLN:HB2	16	0.45
(1,1314)	1:775:A:LYS:HB2	1:822:A:GLN:HB3	16	0.45
(1,1314)	1:775:A:LYS:HB3	1:822:A:GLN:HB2	16	0.45
(1,1314)	1:775:A:LYS:HB3	1:822:A:GLN:HB3	16	0.45
(1,1172)	1:718:A:TYR:HB2	1:721:A:VAL:HA	8	0.45
(1,1172)	1:718:A:TYR:HB3	1:721:A:VAL:HA	8	0.45
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA2	17	0.45
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA3	17	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA2	17	0.45
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA3	17	0.45
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	13	0.45
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	13	0.45
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	13	0.45
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	13	0.45
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	13	0.45
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	13	0.45
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	20	0.45
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	20	0.45
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	20	0.45
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	20	0.45
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	20	0.45
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	20	0.45
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	6	0.45
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	6	0.45
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	6	0.45
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	6	0.45
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	6	0.45
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	6	0.45
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	17	0.45
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	17	0.45
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	17	0.45
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	17	0.45
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	17	0.45
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	17	0.45
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	1	0.45
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	4	0.45
(1,957)	1:727:A:LYS:H	1:727:A:LYS:HD2	1	0.45
(1,957)	1:727:A:LYS:H	1:727:A:LYS:HD2	20	0.45
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	1	0.45
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	8	0.45
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	20	0.45
(1,941)	1:786:A:VAL:HA	1:846:A:THR:H	2	0.45
(1,888)	1:799:A:THR:H	1:801:A:ASN:H	17	0.45
(1,863)	1:728:A:THR:HG21	1:729:A:THR:H	8	0.45
(1,863)	1:728:A:THR:HG22	1:729:A:THR:H	8	0.45
(1,863)	1:728:A:THR:HG23	1:729:A:THR:H	8	0.45
(1,842)	1:737:A:SER:H	1:755:A:TYR:H	7	0.45
(1,709)	1:793:A:HIS:H	1:793:A:HIS:HD2	9	0.45
(1,707)	1:842:A:LYS:H	1:842:A:LYS:HG3	5	0.45
(1,683)	1:720:A:THR:HA	1:722:A:TYR:H	17	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	8	0.45
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	8	0.45
(1,620)	1:790:A:VAL:H	1:807:A:VAL:HB	2	0.45
(1,605)	1:810:A:LYS:HA	1:810:A:LYS:HE2	16	0.45
(1,605)	1:810:A:LYS:HA	1:810:A:LYS:HE2	19	0.45
(1,595)	1:709:A:GLN:HA	1:735:A:THR:HA	8	0.45
(1,584)	1:796:A:PRO:HA	1:839:A:TRP:HB2	11	0.45
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD21	17	0.45
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD22	17	0.45
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD23	17	0.45
(1,542)	1:704:A:ASN:HB3	1:741:A:ALA:HB1	16	0.45
(1,542)	1:704:A:ASN:HB3	1:741:A:ALA:HB2	16	0.45
(1,542)	1:704:A:ASN:HB3	1:741:A:ALA:HB3	16	0.45
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	10	0.45
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	10	0.45
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	10	0.45
(1,519)	1:804:A:ALA:HB1	1:839:A:TRP:H	13	0.45
(1,519)	1:804:A:ALA:HB2	1:839:A:TRP:H	13	0.45
(1,519)	1:804:A:ALA:HB3	1:839:A:TRP:H	13	0.45
(1,502)	1:842:A:LYS:HA	1:842:A:LYS:HG3	6	0.45
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	14	0.45
(1,468)	1:735:A:THR:HA	1:735:A:THR:HB	18	0.45
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	12	0.45
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	10	0.45
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	10	0.45
(1,424)	1:708:A:ALA:HA	1:771:A:TYR:HA	2	0.45
(1,370)	1:765:A:LYS:H	1:765:A:LYS:HE3	5	0.45
(1,370)	1:765:A:LYS:H	1:765:A:LYS:HE3	9	0.45
(1,364)	1:823:A:ILE:HB	1:826:A:ALA:H	20	0.45
(1,348)	1:732:A:ILE:HA	1:732:A:ILE:HG12	1	0.45
(1,348)	1:732:A:ILE:HA	1:732:A:ILE:HG12	4	0.45
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	1	0.45
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	2	0.45
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	3	0.45
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	4	0.45
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	7	0.45
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	8	0.45
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	9	0.45
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	10	0.45
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	12	0.45
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	15	0.45
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	18	0.45
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	19	0.45
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	20	0.45
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	12	0.45
(1,258)	1:810:A:LYS:HA	1:810:A:LYS:HB3	4	0.45
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	14	0.45
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	18	0.45
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	20	0.45
(1,211)	1:752:A:VAL:H	1:764:A:VAL:HB	17	0.45
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	6	0.45
(1,155)	1:810:A:LYS:HA	1:810:A:LYS:HE3	9	0.45
(1,116)	1:734:A:ARG:HA	1:734:A:ARG:HD3	2	0.45
(1,116)	1:734:A:ARG:HA	1:734:A:ARG:HD3	11	0.45
(1,116)	1:734:A:ARG:HA	1:734:A:ARG:HD3	20	0.45
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	2	0.45
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	2	0.45
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	2	0.45
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	6	0.45
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	6	0.45
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	6	0.45
(1,100)	1:810:A:LYS:HA	1:810:A:LYS:HG2	1	0.45
(1,94)	1:710:A:ILE:H	1:732:A:ILE:HA	6	0.45
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	9	0.45
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	3	0.45
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	3	0.45
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	3	0.45
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	9	0.45
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	9	0.45
(1,7)	1:740:A:LYS:HA	1:740:A:LYS:HD3	6	0.45
(1,1420)	1:810:A:LYS:HG2	1:811:A:GLY:H	16	0.44
(1,1420)	1:810:A:LYS:HG3	1:811:A:GLY:H	16	0.44
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB1	9	0.44
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB2	9	0.44
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB3	9	0.44
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB1	9	0.44
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB2	9	0.44
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB3	9	0.44
(1,1381)	1:792:A:LEU:HB2	1:804:A:ALA:H	13	0.44
(1,1381)	1:792:A:LEU:HB3	1:804:A:ALA:H	13	0.44
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG11	19	0.44
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG12	19	0.44
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG13	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG21	19	0.44
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG22	19	0.44
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG23	19	0.44
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG11	19	0.44
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG12	19	0.44
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG13	19	0.44
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG21	19	0.44
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG22	19	0.44
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG23	19	0.44
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG11	19	0.44
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG12	19	0.44
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG13	19	0.44
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG21	19	0.44
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG22	19	0.44
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG23	19	0.44
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG11	19	0.44
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG12	19	0.44
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG13	19	0.44
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG21	19	0.44
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG22	19	0.44
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG23	19	0.44
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG11	19	0.44
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG12	19	0.44
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG13	19	0.44
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG21	19	0.44
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG22	19	0.44
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG23	19	0.44
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG11	19	0.44
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG12	19	0.44
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG13	19	0.44
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG21	19	0.44
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG22	19	0.44
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG23	19	0.44
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	2	0.44
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	2	0.44
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD11	15	0.44
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD12	15	0.44
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD13	15	0.44
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD21	15	0.44
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD22	15	0.44
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD23	15	0.44
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD11	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD12	15	0.44
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD13	15	0.44
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD21	15	0.44
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD22	15	0.44
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD23	15	0.44
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD11	15	0.44
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD12	15	0.44
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD13	15	0.44
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD21	15	0.44
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD22	15	0.44
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD23	15	0.44
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG2	6	0.44
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG3	6	0.44
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG11	14	0.44
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG12	14	0.44
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG13	14	0.44
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG21	14	0.44
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG22	14	0.44
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG23	14	0.44
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG11	14	0.44
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG12	14	0.44
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG13	14	0.44
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG21	14	0.44
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG22	14	0.44
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG23	14	0.44
(1,1243)	1:744:A:LEU:HB2	1:747:A:LYS:H	4	0.44
(1,1243)	1:744:A:LEU:HB3	1:747:A:LYS:H	4	0.44
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	10	0.44
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	10	0.44
(1,1163)	1:717:A:LEU:HD11	1:761:A:TYR:HB2	7	0.44
(1,1163)	1:717:A:LEU:HD11	1:761:A:TYR:HB3	7	0.44
(1,1163)	1:717:A:LEU:HD12	1:761:A:TYR:HB2	7	0.44
(1,1163)	1:717:A:LEU:HD12	1:761:A:TYR:HB3	7	0.44
(1,1163)	1:717:A:LEU:HD13	1:761:A:TYR:HB2	7	0.44
(1,1163)	1:717:A:LEU:HD13	1:761:A:TYR:HB3	7	0.44
(1,1163)	1:717:A:LEU:HD21	1:761:A:TYR:HB2	7	0.44
(1,1163)	1:717:A:LEU:HD21	1:761:A:TYR:HB3	7	0.44
(1,1163)	1:717:A:LEU:HD22	1:761:A:TYR:HB2	7	0.44
(1,1163)	1:717:A:LEU:HD22	1:761:A:TYR:HB3	7	0.44
(1,1163)	1:717:A:LEU:HD23	1:761:A:TYR:HB2	7	0.44
(1,1163)	1:717:A:LEU:HD23	1:761:A:TYR:HB3	7	0.44
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG11	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG12	7	0.44
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG13	7	0.44
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG21	7	0.44
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG22	7	0.44
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG23	7	0.44
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG11	7	0.44
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG12	7	0.44
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG13	7	0.44
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG21	7	0.44
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG22	7	0.44
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG23	7	0.44
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG11	7	0.44
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG12	7	0.44
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG13	7	0.44
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG21	7	0.44
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG22	7	0.44
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG23	7	0.44
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	9	0.44
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	9	0.44
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	9	0.44
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	9	0.44
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	9	0.44
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	9	0.44
(1,1117)	1:706:A:GLY:HA2	1:738:A:VAL:HB	13	0.44
(1,1117)	1:706:A:GLY:HA3	1:738:A:VAL:HB	13	0.44
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	8	0.44
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	15	0.44
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	19	0.44
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	16	0.44
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	16	0.44
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	11	0.44
(1,957)	1:727:A:LYS:H	1:727:A:LYS:HD2	8	0.44
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	9	0.44
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	10	0.44
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	16	0.44
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	17	0.44
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	18	0.44
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	19	0.44
(1,881)	1:817:A:ALA:HA	1:832:A:THR:H	20	0.44
(1,842)	1:737:A:SER:H	1:755:A:TYR:H	3	0.44
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	20	0.44
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG21	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG22	3	0.44
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG23	3	0.44
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG21	9	0.44
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG22	9	0.44
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG23	9	0.44
(1,731)	1:714:A:ASN:HA	1:716:A:GLY:H	4	0.44
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	4	0.44
(1,668)	1:773:A:THR:H	1:773:A:THR:HG21	11	0.44
(1,668)	1:773:A:THR:H	1:773:A:THR:HG22	11	0.44
(1,668)	1:773:A:THR:H	1:773:A:THR:HG23	11	0.44
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	12	0.44
(1,615)	1:725:A:LYS:HA	1:726:A:GLY:H	14	0.44
(1,587)	1:764:A:VAL:H	1:765:A:LYS:HA	8	0.44
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB1	1	0.44
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB2	1	0.44
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB3	1	0.44
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB1	9	0.44
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB2	9	0.44
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB3	9	0.44
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	6	0.44
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	6	0.44
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	6	0.44
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	6	0.44
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	6	0.44
(1,384)	1:842:A:LYS:HA	1:842:A:LYS:HG2	8	0.44
(1,364)	1:823:A:ILE:HB	1:826:A:ALA:H	5	0.44
(1,351)	1:711:A:ASN:H	1:769:A:VAL:HA	12	0.44
(1,348)	1:732:A:ILE:HA	1:732:A:ILE:HG12	2	0.44
(1,348)	1:732:A:ILE:HA	1:732:A:ILE:HG12	9	0.44
(1,348)	1:732:A:ILE:HA	1:732:A:ILE:HG12	15	0.44
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	5	0.44
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	6	0.44
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	11	0.44
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	13	0.44
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	14	0.44
(1,294)	1:698:A:GLN:HA	1:698:A:GLN:HB3	17	0.44
(1,224)	1:732:A:ILE:HD11	1:733:A:GLN:H	8	0.44
(1,224)	1:732:A:ILE:HD12	1:733:A:GLN:H	8	0.44
(1,224)	1:732:A:ILE:HD13	1:733:A:GLN:H	8	0.44
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD11	15	0.44
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD12	15	0.44
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD13	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	19	0.44
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	19	0.44
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	19	0.44
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	5	0.44
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	12	0.44
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	20	0.44
(1,11)	1:785:A:ASN:H	1:847:A:ALA:HA	14	0.44
(1,1450)	1:825:A:LYS:HG2	1:825:A:LYS:HE2	19	0.43
(1,1450)	1:825:A:LYS:HG2	1:825:A:LYS:HE3	19	0.43
(1,1450)	1:825:A:LYS:HG3	1:825:A:LYS:HE2	19	0.43
(1,1450)	1:825:A:LYS:HG3	1:825:A:LYS:HE3	19	0.43
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA2	8	0.43
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA3	8	0.43
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA2	8	0.43
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA3	8	0.43
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA2	8	0.43
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA3	8	0.43
(1,1420)	1:810:A:LYS:HG2	1:811:A:GLY:H	18	0.43
(1,1420)	1:810:A:LYS:HG3	1:811:A:GLY:H	18	0.43
(1,1317)	1:777:A:PRO:HB2	1:820:A:GLN:H	8	0.43
(1,1317)	1:777:A:PRO:HB3	1:820:A:GLN:H	8	0.43
(1,1211)	1:735:A:THR:H	1:798:A:GLY:HA2	4	0.43
(1,1211)	1:735:A:THR:H	1:798:A:GLY:HA3	4	0.43
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB2	16	0.43
(1,1210)	1:734:A:ARG:HG2	1:801:A:ASN:HB3	16	0.43
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB2	16	0.43
(1,1210)	1:734:A:ARG:HG3	1:801:A:ASN:HB3	16	0.43
(1,1180)	1:720:A:THR:H	1:723:A:ASP:HB2	14	0.43
(1,1180)	1:720:A:THR:H	1:723:A:ASP:HB3	14	0.43
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	20	0.43
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	20	0.43
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	20	0.43
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	20	0.43
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	20	0.43
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	20	0.43
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	20	0.43
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	18	0.43
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	18	0.43
(1,984)	1:751:A:LEU:HA	1:762:A:GLY:H	18	0.43
(1,979)	1:699:A:LEU:HA	1:743:A:THR:H	15	0.43
(1,966)	1:697:A:ASN:HA	1:745:A:GLY:H	1	0.43
(1,914)	1:795:A:VAL:H	1:798:A:GLY:H	20	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE1	7	0.43
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE2	7	0.43
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	14	0.43
(1,587)	1:764:A:VAL:H	1:765:A:LYS:HA	4	0.43
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	9	0.43
(1,578)	1:791:A:LYS:HA	1:791:A:LYS:HG2	6	0.43
(1,578)	1:791:A:LYS:HA	1:791:A:LYS:HG2	12	0.43
(1,567)	1:732:A:ILE:HA	1:732:A:ILE:HG13	7	0.43
(1,550)	1:814:A:THR:HG21	1:815:A:PHE:H	11	0.43
(1,550)	1:814:A:THR:HG22	1:815:A:PHE:H	11	0.43
(1,550)	1:814:A:THR:HG23	1:815:A:PHE:H	11	0.43
(1,550)	1:814:A:THR:HG21	1:815:A:PHE:H	19	0.43
(1,550)	1:814:A:THR:HG22	1:815:A:PHE:H	19	0.43
(1,550)	1:814:A:THR:HG23	1:815:A:PHE:H	19	0.43
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	10	0.43
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	2	0.43
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	3	0.43
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	4	0.43
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	6	0.43
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	8	0.43
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	9	0.43
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	12	0.43
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	20	0.43
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	4	0.43
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	4	0.43
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	4	0.43
(1,469)	1:816:A:LYS:HB3	1:816:A:LYS:HG3	1	0.43
(1,469)	1:816:A:LYS:HB3	1:816:A:LYS:HG3	3	0.43
(1,469)	1:816:A:LYS:HB3	1:816:A:LYS:HG3	5	0.43
(1,469)	1:816:A:LYS:HB3	1:816:A:LYS:HG3	7	0.43
(1,469)	1:816:A:LYS:HB3	1:816:A:LYS:HG3	9	0.43
(1,469)	1:816:A:LYS:HB3	1:816:A:LYS:HG3	12	0.43
(1,469)	1:816:A:LYS:HB3	1:816:A:LYS:HG3	15	0.43
(1,469)	1:816:A:LYS:HB3	1:816:A:LYS:HG3	20	0.43
(1,399)	1:779:A:LYS:H	1:779:A:LYS:HB3	1	0.43
(1,364)	1:823:A:ILE:HB	1:826:A:ALA:H	7	0.43
(1,359)	1:832:A:THR:HG21	1:837:A:SER:HA	18	0.43
(1,359)	1:832:A:THR:HG22	1:837:A:SER:HA	18	0.43
(1,359)	1:832:A:THR:HG23	1:837:A:SER:HA	18	0.43
(1,348)	1:732:A:ILE:HA	1:732:A:ILE:HG12	5	0.43
(1,348)	1:732:A:ILE:HA	1:732:A:ILE:HG12	11	0.43
(1,348)	1:732:A:ILE:HA	1:732:A:ILE:HG12	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,348)	1:732:A:ILE:HA	1:732:A:ILE:HG12	16	0.43
(1,341)	1:709:A:GLN:HB3	1:734:A:ARG:H	11	0.43
(1,265)	1:734:A:ARG:HA	1:734:A:ARG:HD2	8	0.43
(1,245)	1:774:A:ALA:HA	1:823:A:ILE:HA	17	0.43
(1,229)	1:705:A:SER:HA	1:739:A:THR:HA	7	0.43
(1,224)	1:732:A:ILE:HD11	1:733:A:GLN:H	6	0.43
(1,224)	1:732:A:ILE:HD12	1:733:A:GLN:H	6	0.43
(1,224)	1:732:A:ILE:HD13	1:733:A:GLN:H	6	0.43
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	12	0.43
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	10	0.43
(1,155)	1:810:A:LYS:HA	1:810:A:LYS:HE3	13	0.43
(1,155)	1:810:A:LYS:HA	1:810:A:LYS:HE3	14	0.43
(1,116)	1:734:A:ARG:HA	1:734:A:ARG:HD3	7	0.43
(1,116)	1:734:A:ARG:HA	1:734:A:ARG:HD3	16	0.43
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	2	0.43
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	6	0.43
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	9	0.43
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	14	0.43
(1,1431)	1:816:A:LYS:HB2	1:832:A:THR:HB	9	0.42
(1,1431)	1:816:A:LYS:HB3	1:832:A:THR:HB	9	0.42
(1,1417)	1:804:A:ALA:HB1	1:838:A:GLY:HA2	16	0.42
(1,1417)	1:804:A:ALA:HB1	1:838:A:GLY:HA3	16	0.42
(1,1417)	1:804:A:ALA:HB2	1:838:A:GLY:HA2	16	0.42
(1,1417)	1:804:A:ALA:HB2	1:838:A:GLY:HA3	16	0.42
(1,1417)	1:804:A:ALA:HB3	1:838:A:GLY:HA2	16	0.42
(1,1417)	1:804:A:ALA:HB3	1:838:A:GLY:HA3	16	0.42
(1,1410)	1:799:A:THR:H	1:802:A:GLN:HG2	10	0.42
(1,1410)	1:799:A:THR:H	1:802:A:GLN:HG3	10	0.42
(1,1408)	1:797:A:TRP:HB2	1:823:A:ILE:HG12	4	0.42
(1,1408)	1:797:A:TRP:HB2	1:823:A:ILE:HG13	4	0.42
(1,1408)	1:797:A:TRP:HB3	1:823:A:ILE:HG12	4	0.42
(1,1408)	1:797:A:TRP:HB3	1:823:A:ILE:HG13	4	0.42
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	14	0.42
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	14	0.42
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB2	6	0.42
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB3	6	0.42
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	10	0.42
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	10	0.42
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	10	0.42
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	10	0.42
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	10	0.42
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1313)	1:775:A:LYS:HB2	1:822:A:GLN:H	15	0.42
(1,1313)	1:775:A:LYS:HB3	1:822:A:GLN:H	15	0.42
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG11	15	0.42
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG12	15	0.42
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG13	15	0.42
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG21	15	0.42
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG22	15	0.42
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG23	15	0.42
(1,1202)	1:725:A:LYS:HG2	1:726:A:GLY:H	9	0.42
(1,1202)	1:725:A:LYS:HG3	1:726:A:GLY:H	9	0.42
(1,1197)	1:725:A:LYS:H	1:725:A:LYS:HE2	11	0.42
(1,1197)	1:725:A:LYS:H	1:725:A:LYS:HE3	11	0.42
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD11	5	0.42
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD12	5	0.42
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD13	5	0.42
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD21	5	0.42
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD22	5	0.42
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD23	5	0.42
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD11	5	0.42
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD12	5	0.42
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD13	5	0.42
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD21	5	0.42
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD22	5	0.42
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD23	5	0.42
(1,1177)	1:719:A:THR:H	1:723:A:ASP:HB2	14	0.42
(1,1177)	1:719:A:THR:H	1:723:A:ASP:HB3	14	0.42
(1,1159)	1:717:A:LEU:H	1:727:A:LYS:HB2	12	0.42
(1,1159)	1:717:A:LEU:H	1:727:A:LYS:HB3	12	0.42
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	15	0.42
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	15	0.42
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	15	0.42
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	15	0.42
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	15	0.42
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	15	0.42
(1,1131)	1:708:A:ALA:H	1:736:A:LEU:HB2	17	0.42
(1,1131)	1:708:A:ALA:H	1:736:A:LEU:HB3	17	0.42
(1,1112)	1:704:A:ASN:HB2	1:740:A:LYS:HA	20	0.42
(1,1112)	1:704:A:ASN:HB3	1:740:A:LYS:HA	20	0.42
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	7	0.42
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	7	0.42
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	7	0.42
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	7	0.42
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	7	0.42
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	20	0.42
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	20	0.42
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	20	0.42
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	20	0.42
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	20	0.42
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	20	0.42
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB1	14	0.42
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB2	14	0.42
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB3	14	0.42
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB1	14	0.42
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB2	14	0.42
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB3	14	0.42
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB1	14	0.42
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB2	14	0.42
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB3	14	0.42
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB1	14	0.42
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB2	14	0.42
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB3	14	0.42
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB1	14	0.42
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB2	14	0.42
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB3	14	0.42
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB1	14	0.42
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB2	14	0.42
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB3	14	0.42
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG11	10	0.42
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG12	10	0.42
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG13	10	0.42
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG21	10	0.42
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG22	10	0.42
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG23	10	0.42
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	13	0.42
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	13	0.42
(1,1038)	1:793:A:HIS:HA	1:793:A:HIS:HD2	6	0.42
(1,1001)	1:779:A:LYS:H	1:779:A:LYS:HB2	18	0.42
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	13	0.42
(1,858)	1:822:A:GLN:HA	1:828:A:TYR:H	9	0.42
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	12	0.42
(1,823)	1:780:A:ILE:HD11	1:781:A:ASN:H	6	0.42
(1,823)	1:780:A:ILE:HD12	1:781:A:ASN:H	6	0.42
(1,823)	1:780:A:ILE:HD13	1:781:A:ASN:H	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:713:A:LYS:H	1:713:A:LYS:HG3	11	0.42
(1,773)	1:778:A:VAL:H	1:820:A:GLN:H	6	0.42
(1,712)	1:715:A:SER:H	1:716:A:GLY:H	6	0.42
(1,703)	1:827:A:THR:H	1:842:A:LYS:H	14	0.42
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	12	0.42
(1,597)	1:816:A:LYS:H	1:816:A:LYS:HG2	14	0.42
(1,589)	1:749:A:PHE:HA	1:765:A:LYS:HA	5	0.42
(1,578)	1:791:A:LYS:HA	1:791:A:LYS:HG2	3	0.42
(1,578)	1:791:A:LYS:HA	1:791:A:LYS:HG2	7	0.42
(1,578)	1:791:A:LYS:HA	1:791:A:LYS:HG2	18	0.42
(1,550)	1:814:A:THR:HG21	1:815:A:PHE:H	9	0.42
(1,550)	1:814:A:THR:HG22	1:815:A:PHE:H	9	0.42
(1,550)	1:814:A:THR:HG23	1:815:A:PHE:H	9	0.42
(1,550)	1:814:A:THR:HG21	1:815:A:PHE:H	10	0.42
(1,550)	1:814:A:THR:HG22	1:815:A:PHE:H	10	0.42
(1,550)	1:814:A:THR:HG23	1:815:A:PHE:H	10	0.42
(1,545)	1:731:A:GLN:HA	1:731:A:GLN:HG2	12	0.42
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	1	0.42
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB1	2	0.42
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB2	2	0.42
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB3	2	0.42
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB1	3	0.42
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB2	3	0.42
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB3	3	0.42
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	1	0.42
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	5	0.42
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	7	0.42
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	10	0.42
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	11	0.42
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	14	0.42
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	15	0.42
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	16	0.42
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	17	0.42
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	18	0.42
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	19	0.42
(1,495)	1:779:A:LYS:HA	1:819:A:LYS:HA	20	0.42
(1,469)	1:816:A:LYS:HB3	1:816:A:LYS:HG3	2	0.42
(1,469)	1:816:A:LYS:HB3	1:816:A:LYS:HG3	4	0.42
(1,469)	1:816:A:LYS:HB3	1:816:A:LYS:HG3	6	0.42
(1,469)	1:816:A:LYS:HB3	1:816:A:LYS:HG3	8	0.42
(1,469)	1:816:A:LYS:HB3	1:816:A:LYS:HG3	11	0.42
(1,469)	1:816:A:LYS:HB3	1:816:A:LYS:HG3	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:816:A:LYS:HB3	1:816:A:LYS:HG3	16	0.42
(1,440)	1:816:A:LYS:HB2	1:816:A:LYS:HG3	14	0.42
(1,427)	1:767:A:ASP:HA	1:769:A:VAL:H	9	0.42
(1,370)	1:765:A:LYS:H	1:765:A:LYS:HE3	20	0.42
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	2	0.42
(1,348)	1:732:A:ILE:HA	1:732:A:ILE:HG12	13	0.42
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	18	0.42
(1,303)	1:825:A:LYS:HA	1:825:A:LYS:HD3	10	0.42
(1,261)	1:701:A:VAL:HA	1:701:A:VAL:HG21	7	0.42
(1,261)	1:701:A:VAL:HA	1:701:A:VAL:HG22	7	0.42
(1,261)	1:701:A:VAL:HA	1:701:A:VAL:HG23	7	0.42
(1,246)	1:788:A:PRO:HB2	1:809:A:GLY:H	6	0.42
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD11	1	0.42
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD12	1	0.42
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD13	1	0.42
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	17	0.42
(1,196)	1:710:A:ILE:HA	1:770:A:ILE:H	11	0.42
(1,163)	1:775:A:LYS:HA	1:775:A:LYS:HG2	7	0.42
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	11	0.42
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	15	0.42
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	3	0.42
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	7	0.42
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	10	0.42
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	13	0.42
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	20	0.42
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	20	0.42
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	20	0.42
(1,38)	1:815:A:PHE:HA	1:833:A:VAL:HA	6	0.42
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	1	0.42
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	2	0.42
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	4	0.42
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	5	0.42
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	6	0.42
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	7	0.42
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	10	0.42
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	11	0.42
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	12	0.42
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	20	0.42
(1,1450)	1:825:A:LYS:HG2	1:825:A:LYS:HE2	6	0.41
(1,1450)	1:825:A:LYS:HG2	1:825:A:LYS:HE3	6	0.41
(1,1450)	1:825:A:LYS:HG3	1:825:A:LYS:HE2	6	0.41
(1,1450)	1:825:A:LYS:HG3	1:825:A:LYS:HE3	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1450)	1:825:A:LYS:HG2	1:825:A:LYS:HE2	17	0.41
(1,1450)	1:825:A:LYS:HG2	1:825:A:LYS:HE3	17	0.41
(1,1450)	1:825:A:LYS:HG3	1:825:A:LYS:HE2	17	0.41
(1,1450)	1:825:A:LYS:HG3	1:825:A:LYS:HE3	17	0.41
(1,1440)	1:820:A:GLN:HB2	1:828:A:TYR:H	11	0.41
(1,1440)	1:820:A:GLN:HB3	1:828:A:TYR:H	11	0.41
(1,1440)	1:820:A:GLN:HB2	1:828:A:TYR:H	12	0.41
(1,1440)	1:820:A:GLN:HB3	1:828:A:TYR:H	12	0.41
(1,1420)	1:810:A:LYS:HG2	1:811:A:GLY:H	13	0.41
(1,1420)	1:810:A:LYS:HG3	1:811:A:GLY:H	13	0.41
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB2	9	0.41
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB3	9	0.41
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	15	0.41
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	15	0.41
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG2	13	0.41
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG3	13	0.41
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG2	14	0.41
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG3	14	0.41
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG2	14	0.41
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG3	14	0.41
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG2	14	0.41
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG3	14	0.41
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG2	14	0.41
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG3	14	0.41
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG2	14	0.41
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG3	14	0.41
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG2	14	0.41
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG3	14	0.41
(1,1313)	1:775:A:LYS:HB2	1:822:A:GLN:H	16	0.41
(1,1313)	1:775:A:LYS:HB3	1:822:A:GLN:H	16	0.41
(1,1220)	1:737:A:SER:HB2	1:755:A:TYR:HB2	4	0.41
(1,1220)	1:737:A:SER:HB2	1:755:A:TYR:HB3	4	0.41
(1,1220)	1:737:A:SER:HB3	1:755:A:TYR:HB2	4	0.41
(1,1220)	1:737:A:SER:HB3	1:755:A:TYR:HB3	4	0.41
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	17	0.41
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	17	0.41
(1,1195)	1:723:A:ASP:HB2	1:725:A:LYS:H	20	0.41
(1,1195)	1:723:A:ASP:HB3	1:725:A:LYS:H	20	0.41
(1,1173)	1:718:A:TYR:HB2	1:723:A:ASP:HB2	13	0.41
(1,1173)	1:718:A:TYR:HB2	1:723:A:ASP:HB3	13	0.41
(1,1173)	1:718:A:TYR:HB3	1:723:A:ASP:HB2	13	0.41
(1,1173)	1:718:A:TYR:HB3	1:723:A:ASP:HB3	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:714:A:ASN:HB2	1:768:A:GLU:HB2	9	0.41
(1,1151)	1:714:A:ASN:HB2	1:768:A:GLU:HB3	9	0.41
(1,1151)	1:714:A:ASN:HB3	1:768:A:GLU:HB2	9	0.41
(1,1151)	1:714:A:ASN:HB3	1:768:A:GLU:HB3	9	0.41
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	17	0.41
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	17	0.41
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	17	0.41
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	17	0.41
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	17	0.41
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	17	0.41
(1,1106)	1:703:A:ASN:HA	1:740:A:LYS:HG2	11	0.41
(1,1106)	1:703:A:ASN:HA	1:740:A:LYS:HG3	11	0.41
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB1	18	0.41
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB2	18	0.41
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB3	18	0.41
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB1	18	0.41
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB2	18	0.41
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB3	18	0.41
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB1	18	0.41
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB2	18	0.41
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB3	18	0.41
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB1	18	0.41
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB2	18	0.41
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB3	18	0.41
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB1	18	0.41
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB2	18	0.41
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB3	18	0.41
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB1	18	0.41
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB2	18	0.41
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB3	18	0.41
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	5	0.41
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	17	0.41
(1,1075)	1:797:A:TRP:H	1:797:A:TRP:HD1	7	0.41
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	7	0.41
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	7	0.41
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	20	0.41
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	20	0.41
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	10	0.41
(1,945)	1:799:A:THR:H	1:802:A:GLN:H	5	0.41
(1,923)	1:780:A:ILE:H	1:818:A:THR:HA	10	0.41
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	6	0.41
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	6	0.41
(1,874)	1:794:A:THR:H	1:802:A:GLN:HA	18	0.41
(1,856)	1:828:A:TYR:H	1:828:A:TYR:HE1	8	0.41
(1,856)	1:828:A:TYR:H	1:828:A:TYR:HE2	8	0.41
(1,839)	1:788:A:PRO:HB3	1:809:A:GLY:H	11	0.41
(1,830)	1:718:A:TYR:H	1:763:A:TRP:H	15	0.41
(1,830)	1:718:A:TYR:H	1:763:A:TRP:H	20	0.41
(1,816)	1:721:A:VAL:H	1:721:A:VAL:HG21	2	0.41
(1,816)	1:721:A:VAL:H	1:721:A:VAL:HG22	2	0.41
(1,816)	1:721:A:VAL:H	1:721:A:VAL:HG23	2	0.41
(1,810)	1:839:A:TRP:HE3	1:840:A:ILE:H	4	0.41
(1,793)	1:782:A:GLN:H	1:817:A:ALA:H	17	0.41
(1,777)	1:713:A:LYS:H	1:713:A:LYS:HG2	14	0.41
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	1	0.41
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	1	0.41
(1,599)	1:816:A:LYS:HA	1:816:A:LYS:HG2	14	0.41
(1,584)	1:796:A:PRO:HA	1:839:A:TRP:HB2	2	0.41
(1,578)	1:791:A:LYS:HA	1:791:A:LYS:HG2	15	0.41
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	1	0.41
(1,556)	1:783:A:THR:HG21	1:816:A:LYS:HA	10	0.41
(1,556)	1:783:A:THR:HG22	1:816:A:LYS:HA	10	0.41
(1,556)	1:783:A:THR:HG23	1:816:A:LYS:HA	10	0.41
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	16	0.41
(1,503)	1:713:A:LYS:HG2	1:713:A:LYS:HD2	13	0.41
(1,485)	1:725:A:LYS:H	1:725:A:LYS:HG3	16	0.41
(1,469)	1:816:A:LYS:HB3	1:816:A:LYS:HG3	10	0.41
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB1	15	0.41
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB2	15	0.41
(1,436)	1:783:A:THR:HA	1:817:A:ALA:HB3	15	0.41
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	2	0.41
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	2	0.41
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	6	0.41
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	6	0.41
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	8	0.41
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	8	0.41
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	9	0.41
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	9	0.41
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	11	0.41
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	11	0.41
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	13	0.41
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	13	0.41
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	15	0.41
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	16	0.41
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	16	0.41
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	6	0.41
(1,348)	1:732:A:ILE:HA	1:732:A:ILE:HG12	20	0.41
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	14	0.41
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	15	0.41
(1,265)	1:734:A:ARG:HA	1:734:A:ARG:HD2	5	0.41
(1,246)	1:788:A:PRO:HB2	1:809:A:GLY:H	16	0.41
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	3	0.41
(1,196)	1:710:A:ILE:HA	1:770:A:ILE:H	18	0.41
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD11	16	0.41
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD12	16	0.41
(1,171)	1:699:A:LEU:HA	1:744:A:LEU:HD13	16	0.41
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	4	0.41
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	9	0.41
(1,116)	1:734:A:ARG:HA	1:734:A:ARG:HD3	12	0.41
(1,116)	1:734:A:ARG:HA	1:734:A:ARG:HD3	18	0.41
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	8	0.41
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	11	0.41
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	15	0.41
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	16	0.41
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	17	0.41
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	18	0.41
(1,80)	1:742:A:ALA:H	1:742:A:ALA:HA	19	0.41
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	7	0.41
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	7	0.41
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	7	0.41
(1,63)	1:796:A:PRO:HA	1:839:A:TRP:HB3	11	0.41
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	3	0.41
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	8	0.41
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	9	0.41
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	13	0.41
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	14	0.41
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	15	0.41
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	16	0.41
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	17	0.41
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	18	0.41
(1,34)	1:814:A:THR:HA	1:814:A:THR:HB	19	0.41
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	12	0.4
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	12	0.4
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	12	0.4
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	12	0.4
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	12	0.4
(1,1440)	1:820:A:GLN:HB2	1:828:A:TYR:H	4	0.4
(1,1440)	1:820:A:GLN:HB3	1:828:A:TYR:H	4	0.4
(1,1386)	1:792:A:LEU:HD11	1:806:A:THR:HA	2	0.4
(1,1386)	1:792:A:LEU:HD12	1:806:A:THR:HA	2	0.4
(1,1386)	1:792:A:LEU:HD13	1:806:A:THR:HA	2	0.4
(1,1386)	1:792:A:LEU:HD21	1:806:A:THR:HA	2	0.4
(1,1386)	1:792:A:LEU:HD22	1:806:A:THR:HA	2	0.4
(1,1386)	1:792:A:LEU:HD23	1:806:A:THR:HA	2	0.4
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	19	0.4
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	19	0.4
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	5	0.4
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	5	0.4
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	5	0.4
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	5	0.4
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	5	0.4
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	5	0.4
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	12	0.4
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	12	0.4
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	12	0.4
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	12	0.4
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	12	0.4
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	12	0.4
(1,1297)	1:765:A:LYS:HB2	1:768:A:GLU:HB2	14	0.4
(1,1297)	1:765:A:LYS:HB2	1:768:A:GLU:HB3	14	0.4
(1,1297)	1:765:A:LYS:HB3	1:768:A:GLU:HB2	14	0.4
(1,1297)	1:765:A:LYS:HB3	1:768:A:GLU:HB3	14	0.4
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB2	17	0.4
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB3	17	0.4
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB2	17	0.4
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB3	17	0.4
(1,1244)	1:744:A:LEU:HB2	1:747:A:LYS:HB2	5	0.4
(1,1244)	1:744:A:LEU:HB2	1:747:A:LYS:HB3	5	0.4
(1,1244)	1:744:A:LEU:HB3	1:747:A:LYS:HB2	5	0.4
(1,1244)	1:744:A:LEU:HB3	1:747:A:LYS:HB3	5	0.4
(1,1197)	1:725:A:LYS:H	1:725:A:LYS:HE2	4	0.4
(1,1197)	1:725:A:LYS:H	1:725:A:LYS:HE3	4	0.4
(1,1157)	1:716:A:GLY:HA2	1:729:A:THR:HG21	13	0.4
(1,1157)	1:716:A:GLY:HA2	1:729:A:THR:HG22	13	0.4
(1,1157)	1:716:A:GLY:HA2	1:729:A:THR:HG23	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1157)	1:716:A:GLY:HA3	1:729:A:THR:HG21	13	0.4
(1,1157)	1:716:A:GLY:HA3	1:729:A:THR:HG22	13	0.4
(1,1157)	1:716:A:GLY:HA3	1:729:A:THR:HG23	13	0.4
(1,1118)	1:706:A:GLY:HA2	1:772:A:ASN:H	1	0.4
(1,1118)	1:706:A:GLY:HA3	1:772:A:ASN:H	1	0.4
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD11	12	0.4
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD12	12	0.4
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD13	12	0.4
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD21	12	0.4
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD22	12	0.4
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD23	12	0.4
(1,1066)	1:761:A:TYR:H	1:761:A:TYR:HE1	19	0.4
(1,1066)	1:761:A:TYR:H	1:761:A:TYR:HE2	19	0.4
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD1	15	0.4
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD2	15	0.4
(1,969)	1:748:A:LYS:H	1:748:A:LYS:HG3	7	0.4
(1,942)	1:846:A:THR:H	1:846:A:THR:HA	5	0.4
(1,936)	1:709:A:GLN:HA	1:734:A:ARG:H	9	0.4
(1,914)	1:795:A:VAL:H	1:798:A:GLY:H	12	0.4
(1,912)	1:836:A:LYS:H	1:836:A:LYS:HG2	2	0.4
(1,829)	1:763:A:TRP:H	1:763:A:TRP:HE3	5	0.4
(1,781)	1:713:A:LYS:H	1:713:A:LYS:HG3	14	0.4
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	2	0.4
(1,711)	1:793:A:HIS:H	1:793:A:HIS:HE1	14	0.4
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	3	0.4
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	3	0.4
(1,617)	1:727:A:LYS:HA	1:727:A:LYS:HG2	11	0.4
(1,591)	1:819:A:LYS:HA	1:819:A:LYS:HB3	5	0.4
(1,591)	1:819:A:LYS:HA	1:819:A:LYS:HB3	8	0.4
(1,591)	1:819:A:LYS:HA	1:819:A:LYS:HB3	12	0.4
(1,591)	1:819:A:LYS:HA	1:819:A:LYS:HB3	20	0.4
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	1	0.4
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	10	0.4
(1,587)	1:764:A:VAL:H	1:765:A:LYS:HA	2	0.4
(1,578)	1:791:A:LYS:HA	1:791:A:LYS:HG2	2	0.4
(1,578)	1:791:A:LYS:HA	1:791:A:LYS:HG2	9	0.4
(1,578)	1:791:A:LYS:HA	1:791:A:LYS:HG2	19	0.4
(1,519)	1:804:A:ALA:HB1	1:839:A:TRP:H	10	0.4
(1,519)	1:804:A:ALA:HB2	1:839:A:TRP:H	10	0.4
(1,519)	1:804:A:ALA:HB3	1:839:A:TRP:H	10	0.4
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	7	0.4
(1,502)	1:842:A:LYS:HA	1:842:A:LYS:HG3	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	9	0.4
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	9	0.4
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	9	0.4
(1,447)	1:819:A:LYS:HA	1:819:A:LYS:HB2	10	0.4
(1,447)	1:819:A:LYS:HA	1:819:A:LYS:HB2	16	0.4
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	4	0.4
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	4	0.4
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	5	0.4
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	5	0.4
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	12	0.4
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	12	0.4
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	14	0.4
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	14	0.4
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	18	0.4
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	18	0.4
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	19	0.4
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	19	0.4
(1,348)	1:732:A:ILE:HA	1:732:A:ILE:HG12	8	0.4
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	19	0.4
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB1	4	0.4
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB2	4	0.4
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB3	4	0.4
(1,303)	1:825:A:LYS:HA	1:825:A:LYS:HD3	5	0.4
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	1	0.4
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	2	0.4
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	3	0.4
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	4	0.4
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	5	0.4
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	6	0.4
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	7	0.4
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	8	0.4
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	9	0.4
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	10	0.4
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	11	0.4
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	13	0.4
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	17	0.4
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	18	0.4
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	19	0.4
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	20	0.4
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	8	0.4
(1,132)	1:787:A:LYS:HA	1:812:A:ASP:HA	2	0.4
(1,92)	1:710:A:ILE:HB	1:732:A:ILE:HA	18	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4)	1:709:A:GLN:HB3	1:709:A:GLN:HG3	2	0.4
(1,1467)	1:836:A:LYS:HB2	1:837:A:SER:H	2	0.39
(1,1467)	1:836:A:LYS:HB3	1:837:A:SER:H	2	0.39
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG21	11	0.39
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG22	11	0.39
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG23	11	0.39
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG21	11	0.39
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG22	11	0.39
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG23	11	0.39
(1,1388)	1:792:A:LEU:HD11	1:833:A:VAL:H	8	0.39
(1,1388)	1:792:A:LEU:HD12	1:833:A:VAL:H	8	0.39
(1,1388)	1:792:A:LEU:HD13	1:833:A:VAL:H	8	0.39
(1,1388)	1:792:A:LEU:HD21	1:833:A:VAL:H	8	0.39
(1,1388)	1:792:A:LEU:HD22	1:833:A:VAL:H	8	0.39
(1,1388)	1:792:A:LEU:HD23	1:833:A:VAL:H	8	0.39
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	1	0.39
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	1	0.39
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB2	1	0.39
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB3	1	0.39
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB2	12	0.39
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB3	12	0.39
(1,1313)	1:775:A:LYS:HB2	1:822:A:GLN:H	14	0.39
(1,1313)	1:775:A:LYS:HB3	1:822:A:GLN:H	14	0.39
(1,1202)	1:725:A:LYS:HG2	1:726:A:GLY:H	20	0.39
(1,1202)	1:725:A:LYS:HG3	1:726:A:GLY:H	20	0.39
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD11	6	0.39
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD12	6	0.39
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD13	6	0.39
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD21	6	0.39
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD22	6	0.39
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD23	6	0.39
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD11	6	0.39
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD12	6	0.39
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD13	6	0.39
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD21	6	0.39
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD22	6	0.39
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD23	6	0.39
(1,1173)	1:718:A:TYR:HB2	1:723:A:ASP:HB2	12	0.39
(1,1173)	1:718:A:TYR:HB2	1:723:A:ASP:HB3	12	0.39
(1,1173)	1:718:A:TYR:HB3	1:723:A:ASP:HB2	12	0.39
(1,1173)	1:718:A:TYR:HB3	1:723:A:ASP:HB3	12	0.39
(1,1152)	1:715:A:SER:HB2	1:718:A:TYR:HE1	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1152)	1:715:A:SER:HB2	1:718:A:TYR:HE2	8	0.39
(1,1152)	1:715:A:SER:HB3	1:718:A:TYR:HE1	8	0.39
(1,1152)	1:715:A:SER:HB3	1:718:A:TYR:HE2	8	0.39
(1,1112)	1:704:A:ASN:HB2	1:740:A:LYS:HA	11	0.39
(1,1112)	1:704:A:ASN:HB3	1:740:A:LYS:HA	11	0.39
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	13	0.39
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	13	0.39
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	13	0.39
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	13	0.39
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	13	0.39
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	13	0.39
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	14	0.39
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	15	0.39
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	18	0.39
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	1	0.39
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	1	0.39
(1,1038)	1:793:A:HIS:HA	1:793:A:HIS:HD2	12	0.39
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	14	0.39
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	5	0.39
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	9	0.39
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	9	0.39
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	9	0.39
(1,941)	1:786:A:VAL:HA	1:846:A:THR:H	20	0.39
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	7	0.39
(1,858)	1:822:A:GLN:HA	1:828:A:TYR:H	15	0.39
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	11	0.39
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	19	0.39
(1,830)	1:718:A:TYR:H	1:763:A:TRP:H	19	0.39
(1,816)	1:721:A:VAL:H	1:721:A:VAL:HG21	10	0.39
(1,816)	1:721:A:VAL:H	1:721:A:VAL:HG22	10	0.39
(1,816)	1:721:A:VAL:H	1:721:A:VAL:HG23	10	0.39
(1,740)	1:796:A:PRO:HA	1:798:A:GLY:H	14	0.39
(1,719)	1:749:A:PHE:H	1:749:A:PHE:HD2	8	0.39
(1,662)	1:718:A:TYR:HA	1:723:A:ASP:H	8	0.39
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	10	0.39
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	10	0.39
(1,646)	1:717:A:LEU:HA	1:717:A:LEU:HG	1	0.39
(1,591)	1:819:A:LYS:HA	1:819:A:LYS:HB3	1	0.39
(1,591)	1:819:A:LYS:HA	1:819:A:LYS:HB3	4	0.39
(1,591)	1:819:A:LYS:HA	1:819:A:LYS:HB3	11	0.39
(1,591)	1:819:A:LYS:HA	1:819:A:LYS:HB3	13	0.39
(1,591)	1:819:A:LYS:HA	1:819:A:LYS:HB3	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:819:A:LYS:HA	1:819:A:LYS:HB3	19	0.39
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	3	0.39
(1,578)	1:791:A:LYS:HA	1:791:A:LYS:HG2	13	0.39
(1,578)	1:791:A:LYS:HA	1:791:A:LYS:HG2	14	0.39
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	3	0.39
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	2	0.39
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	15	0.39
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	2	0.39
(1,447)	1:819:A:LYS:HA	1:819:A:LYS:HB2	2	0.39
(1,447)	1:819:A:LYS:HA	1:819:A:LYS:HB2	3	0.39
(1,447)	1:819:A:LYS:HA	1:819:A:LYS:HB2	6	0.39
(1,447)	1:819:A:LYS:HA	1:819:A:LYS:HB2	9	0.39
(1,447)	1:819:A:LYS:HA	1:819:A:LYS:HB2	17	0.39
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	1	0.39
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	4	0.39
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	5	0.39
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	6	0.39
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	7	0.39
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	9	0.39
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	12	0.39
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	13	0.39
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	14	0.39
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	15	0.39
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	17	0.39
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	18	0.39
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	19	0.39
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	20	0.39
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	3	0.39
(1,396)	1:721:A:VAL:H	1:721:A:VAL:HG11	9	0.39
(1,396)	1:721:A:VAL:H	1:721:A:VAL:HG12	9	0.39
(1,396)	1:721:A:VAL:H	1:721:A:VAL:HG13	9	0.39
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	1	0.39
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	1	0.39
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	7	0.39
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	7	0.39
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	17	0.39
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	17	0.39
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD3	20	0.39
(1,373)	1:727:A:LYS:HB2	1:727:A:LYS:HD2	20	0.39
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	8	0.39
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	4	0.39
(1,345)	1:708:A:ALA:H	1:735:A:THR:HG21	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,345)	1:708:A:ALA:H	1:735:A:THR:HG22	18	0.39
(1,345)	1:708:A:ALA:H	1:735:A:THR:HG23	18	0.39
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB1	15	0.39
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB2	15	0.39
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB3	15	0.39
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	1	0.39
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	5	0.39
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	15	0.39
(1,325)	1:701:A:VAL:HA	1:742:A:ALA:HB1	4	0.39
(1,325)	1:701:A:VAL:HA	1:742:A:ALA:HB2	4	0.39
(1,325)	1:701:A:VAL:HA	1:742:A:ALA:HB3	4	0.39
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	12	0.39
(1,290)	1:827:A:THR:HA	1:827:A:THR:HB	16	0.39
(1,279)	1:820:A:GLN:HB2	1:829:A:LEU:HG	17	0.39
(1,276)	1:775:A:LYS:HA	1:775:A:LYS:HG3	20	0.39
(1,256)	1:810:A:LYS:HB3	1:810:A:LYS:HG2	4	0.39
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	9	0.39
(1,184)	1:708:A:ALA:HB1	1:769:A:VAL:HB	1	0.39
(1,184)	1:708:A:ALA:HB2	1:769:A:VAL:HB	1	0.39
(1,184)	1:708:A:ALA:HB3	1:769:A:VAL:HB	1	0.39
(1,177)	1:709:A:GLN:HB2	1:709:A:GLN:HG2	2	0.39
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	7	0.39
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	10	0.39
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	2	0.39
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	3	0.39
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	20	0.39
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	2	0.39
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	3	0.39
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	5	0.39
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	6	0.39
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	7	0.39
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	9	0.39
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	11	0.39
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	12	0.39
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	13	0.39
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	14	0.39
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	15	0.39
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	17	0.39
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	18	0.39
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	16	0.39
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	16	0.39
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	2	0.39
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	2	0.39
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	2	0.39
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	8	0.38
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	8	0.38
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	8	0.38
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	8	0.38
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	8	0.38
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	8	0.38
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	17	0.38
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	17	0.38
(1,1406)	1:797:A:TRP:HB2	1:823:A:ILE:HB	3	0.38
(1,1406)	1:797:A:TRP:HB3	1:823:A:ILE:HB	3	0.38
(1,1394)	1:793:A:HIS:HB2	1:839:A:TRP:HB2	5	0.38
(1,1394)	1:793:A:HIS:HB2	1:839:A:TRP:HB3	5	0.38
(1,1394)	1:793:A:HIS:HB3	1:839:A:TRP:HB2	5	0.38
(1,1394)	1:793:A:HIS:HB3	1:839:A:TRP:HB3	5	0.38
(1,1381)	1:792:A:LEU:HB2	1:804:A:ALA:H	18	0.38
(1,1381)	1:792:A:LEU:HB3	1:804:A:ALA:H	18	0.38
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB2	16	0.38
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB3	16	0.38
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB2	16	0.38
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB3	16	0.38
(1,1232)	1:739:A:THR:H	1:751:A:LEU:HB2	11	0.38
(1,1232)	1:739:A:THR:H	1:751:A:LEU:HB3	11	0.38
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB2	4	0.38
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB3	4	0.38
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD11	8	0.38
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD12	8	0.38
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD13	8	0.38
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD21	8	0.38
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD22	8	0.38
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD23	8	0.38
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD11	11	0.38
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD12	11	0.38
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD13	11	0.38
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD21	11	0.38
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD22	11	0.38
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD23	11	0.38
(1,1181)	1:720:A:THR:HB	1:722:A:TYR:HB2	17	0.38
(1,1181)	1:720:A:THR:HB	1:722:A:TYR:HB3	17	0.38
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG2	20	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG3	20	0.38
(1,1173)	1:718:A:TYR:HB2	1:723:A:ASP:HB2	4	0.38
(1,1173)	1:718:A:TYR:HB2	1:723:A:ASP:HB3	4	0.38
(1,1173)	1:718:A:TYR:HB3	1:723:A:ASP:HB2	4	0.38
(1,1173)	1:718:A:TYR:HB3	1:723:A:ASP:HB3	4	0.38
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	13	0.38
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	13	0.38
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	1	0.38
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	1	0.38
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	1	0.38
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	1	0.38
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	1	0.38
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	1	0.38
(1,1118)	1:706:A:GLY:HA2	1:772:A:ASN:H	8	0.38
(1,1118)	1:706:A:GLY:HA3	1:772:A:ASN:H	8	0.38
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG2	13	0.38
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG3	13	0.38
(1,1106)	1:703:A:ASN:HA	1:740:A:LYS:HG2	7	0.38
(1,1106)	1:703:A:ASN:HA	1:740:A:LYS:HG3	7	0.38
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	9	0.38
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	9	0.38
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	9	0.38
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	9	0.38
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	9	0.38
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	9	0.38
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD11	1	0.38
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD12	1	0.38
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD13	1	0.38
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD21	1	0.38
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD22	1	0.38
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD23	1	0.38
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD11	1	0.38
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD12	1	0.38
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD13	1	0.38
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD21	1	0.38
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD22	1	0.38
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD23	1	0.38
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD11	1	0.38
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD12	1	0.38
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD13	1	0.38
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD21	1	0.38
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD22	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD23	1	0.38
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD11	1	0.38
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD12	1	0.38
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD13	1	0.38
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD21	1	0.38
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD22	1	0.38
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD23	1	0.38
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD11	1	0.38
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD12	1	0.38
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD13	1	0.38
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD21	1	0.38
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD22	1	0.38
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD23	1	0.38
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD11	1	0.38
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD12	1	0.38
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD13	1	0.38
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD21	1	0.38
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD22	1	0.38
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD23	1	0.38
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE1	4	0.38
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE2	4	0.38
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	7	0.38
(1,1060)	1:763:A:TRP:HA	1:763:A:TRP:HD1	9	0.38
(1,957)	1:727:A:LYS:H	1:727:A:LYS:HD2	12	0.38
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	2	0.38
(1,784)	1:707:A:VAL:HB	1:708:A:ALA:H	18	0.38
(1,781)	1:713:A:LYS:H	1:713:A:LYS:HG3	2	0.38
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	8	0.38
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	17	0.38
(1,668)	1:773:A:THR:H	1:773:A:THR:HG21	18	0.38
(1,668)	1:773:A:THR:H	1:773:A:THR:HG22	18	0.38
(1,668)	1:773:A:THR:H	1:773:A:THR:HG23	18	0.38
(1,668)	1:773:A:THR:H	1:773:A:THR:HG21	20	0.38
(1,668)	1:773:A:THR:H	1:773:A:THR:HG22	20	0.38
(1,668)	1:773:A:THR:H	1:773:A:THR:HG23	20	0.38
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	9	0.38
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	9	0.38
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	18	0.38
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	18	0.38
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	19	0.38
(1,588)	1:765:A:LYS:HA	1:765:A:LYS:HE2	6	0.38
(1,584)	1:796:A:PRO:HA	1:839:A:TRP:HB2	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,578)	1:791:A:LYS:HA	1:791:A:LYS:HG2	16	0.38
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	13	0.38
(1,515)	1:793:A:HIS:HA	1:803:A:VAL:HA	18	0.38
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	19	0.38
(1,502)	1:842:A:LYS:HA	1:842:A:LYS:HG3	4	0.38
(1,502)	1:842:A:LYS:HA	1:842:A:LYS:HG3	17	0.38
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	3	0.38
(1,447)	1:819:A:LYS:HA	1:819:A:LYS:HB2	15	0.38
(1,447)	1:819:A:LYS:HA	1:819:A:LYS:HB2	18	0.38
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	2	0.38
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	3	0.38
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	8	0.38
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	10	0.38
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	11	0.38
(1,444)	1:722:A:TYR:HA	1:722:A:TYR:HB2	16	0.38
(1,418)	1:716:A:GLY:HA2	1:728:A:THR:HA	12	0.38
(1,391)	1:734:A:ARG:HA	1:799:A:THR:H	5	0.38
(1,386)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	1	0.38
(1,359)	1:832:A:THR:HG21	1:837:A:SER:HA	2	0.38
(1,359)	1:832:A:THR:HG22	1:837:A:SER:HA	2	0.38
(1,359)	1:832:A:THR:HG23	1:837:A:SER:HA	2	0.38
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	3	0.38
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	3	0.38
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	3	0.38
(1,316)	1:725:A:LYS:H	1:725:A:LYS:HG2	10	0.38
(1,276)	1:775:A:LYS:HA	1:775:A:LYS:HG3	9	0.38
(1,265)	1:734:A:ARG:HA	1:734:A:ARG:HD2	14	0.38
(1,265)	1:734:A:ARG:HA	1:734:A:ARG:HD2	15	0.38
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	6	0.38
(1,246)	1:788:A:PRO:HB2	1:809:A:GLY:H	3	0.38
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	17	0.38
(1,193)	1:706:A:GLY:HA3	1:773:A:THR:HA	10	0.38
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	5	0.38
(1,155)	1:810:A:LYS:HA	1:810:A:LYS:HE3	7	0.38
(1,116)	1:734:A:ARG:HA	1:734:A:ARG:HD3	4	0.38
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	9	0.38
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	15	0.38
(1,1440)	1:820:A:GLN:HB2	1:828:A:TYR:H	18	0.37
(1,1440)	1:820:A:GLN:HB3	1:828:A:TYR:H	18	0.37
(1,1420)	1:810:A:LYS:HG2	1:811:A:GLY:H	11	0.37
(1,1420)	1:810:A:LYS:HG3	1:811:A:GLY:H	11	0.37
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB2	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB3	10	0.37
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB2	11	0.37
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB3	11	0.37
(1,1328)	1:781:A:ASN:H	1:782:A:GLN:HB2	5	0.37
(1,1328)	1:781:A:ASN:H	1:782:A:GLN:HB3	5	0.37
(1,1321)	1:778:A:VAL:HG11	1:820:A:GLN:H	11	0.37
(1,1321)	1:778:A:VAL:HG12	1:820:A:GLN:H	11	0.37
(1,1321)	1:778:A:VAL:HG13	1:820:A:GLN:H	11	0.37
(1,1321)	1:778:A:VAL:HG21	1:820:A:GLN:H	11	0.37
(1,1321)	1:778:A:VAL:HG22	1:820:A:GLN:H	11	0.37
(1,1321)	1:778:A:VAL:HG23	1:820:A:GLN:H	11	0.37
(1,1303)	1:767:A:ASP:HB2	1:769:A:VAL:H	13	0.37
(1,1303)	1:767:A:ASP:HB3	1:769:A:VAL:H	13	0.37
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	5	0.37
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	5	0.37
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	5	0.37
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	5	0.37
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	5	0.37
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	5	0.37
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	19	0.37
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	19	0.37
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	19	0.37
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	19	0.37
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	19	0.37
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	19	0.37
(1,1202)	1:725:A:LYS:HG2	1:726:A:GLY:H	5	0.37
(1,1202)	1:725:A:LYS:HG3	1:726:A:GLY:H	5	0.37
(1,1202)	1:725:A:LYS:HG2	1:726:A:GLY:H	14	0.37
(1,1202)	1:725:A:LYS:HG3	1:726:A:GLY:H	14	0.37
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG2	3	0.37
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG3	3	0.37
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG2	3	0.37
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG3	3	0.37
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG2	3	0.37
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG3	3	0.37
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG11	3	0.37
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG12	3	0.37
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG13	3	0.37
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG21	3	0.37
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG22	3	0.37
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG23	3	0.37
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG11	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG12	3	0.37
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG13	3	0.37
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG21	3	0.37
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG22	3	0.37
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG23	3	0.37
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG11	3	0.37
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG12	3	0.37
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG13	3	0.37
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG21	3	0.37
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG22	3	0.37
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG23	3	0.37
(1,1025)	1:818:A:THR:H	1:832:A:THR:H	6	0.37
(1,1025)	1:818:A:THR:H	1:832:A:THR:H	14	0.37
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	7	0.37
(1,957)	1:727:A:LYS:H	1:727:A:LYS:HD2	18	0.37
(1,957)	1:727:A:LYS:H	1:727:A:LYS:HD2	19	0.37
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	9	0.37
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	9	0.37
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	9	0.37
(1,888)	1:799:A:THR:H	1:801:A:ASN:H	11	0.37
(1,794)	1:777:A:PRO:HA	1:820:A:GLN:H	19	0.37
(1,777)	1:713:A:LYS:H	1:713:A:LYS:HG2	13	0.37
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	7	0.37
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	12	0.37
(1,712)	1:715:A:SER:H	1:716:A:GLY:H	3	0.37
(1,668)	1:773:A:THR:H	1:773:A:THR:HG21	17	0.37
(1,668)	1:773:A:THR:H	1:773:A:THR:HG22	17	0.37
(1,668)	1:773:A:THR:H	1:773:A:THR:HG23	17	0.37
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	3	0.37
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	2	0.37
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	2	0.37
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	11	0.37
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	11	0.37
(1,645)	1:750:A:TYR:HE1	1:766:A:GLN:HA	7	0.37
(1,645)	1:750:A:TYR:HE2	1:766:A:GLN:HA	7	0.37
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	16	0.37
(1,615)	1:725:A:LYS:HA	1:726:A:GLY:H	10	0.37
(1,595)	1:709:A:GLN:HA	1:735:A:THR:HA	4	0.37
(1,595)	1:709:A:GLN:HA	1:735:A:THR:HA	10	0.37
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB1	20	0.37
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB2	20	0.37
(1,525)	1:792:A:LEU:H	1:804:A:ALA:HB3	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	9	0.37
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	17	0.37
(1,447)	1:819:A:LYS:HA	1:819:A:LYS:HB2	7	0.37
(1,424)	1:708:A:ALA:HA	1:771:A:TYR:HA	12	0.37
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	20	0.37
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	2	0.37
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	8	0.37
(1,386)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	19	0.37
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	13	0.37
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB1	6	0.37
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB2	6	0.37
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB3	6	0.37
(1,277)	1:775:A:LYS:H	1:775:A:LYS:HG3	3	0.37
(1,274)	1:754:A:ASP:HB2	1:759:A:THR:HB	2	0.37
(1,196)	1:710:A:ILE:HA	1:770:A:ILE:H	2	0.37
(1,176)	1:709:A:GLN:HB2	1:734:A:ARG:H	9	0.37
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	1	0.37
(1,106)	1:780:A:ILE:H	1:780:A:ILE:HG13	3	0.37
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	19	0.37
(1,92)	1:710:A:ILE:HB	1:732:A:ILE:HA	13	0.37
(1,49)	1:743:A:THR:H	1:743:A:THR:HG21	9	0.37
(1,49)	1:743:A:THR:H	1:743:A:THR:HG22	9	0.37
(1,49)	1:743:A:THR:H	1:743:A:THR:HG23	9	0.37
(1,47)	1:743:A:THR:HG21	1:744:A:LEU:H	15	0.37
(1,47)	1:743:A:THR:HG22	1:744:A:LEU:H	15	0.37
(1,47)	1:743:A:THR:HG23	1:744:A:LEU:H	15	0.37
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	1	0.37
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	3	0.37
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	5	0.37
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	7	0.37
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	9	0.37
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	11	0.37
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	12	0.37
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	13	0.37
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	16	0.37
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	19	0.37
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	1	0.37
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	12	0.37
(1,1448)	1:825:A:LYS:HA	1:825:A:LYS:HE2	11	0.36
(1,1448)	1:825:A:LYS:HA	1:825:A:LYS:HE3	11	0.36
(1,1440)	1:820:A:GLN:HB2	1:828:A:TYR:H	5	0.36
(1,1440)	1:820:A:GLN:HB3	1:828:A:TYR:H	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1420)	1:810:A:LYS:HG2	1:811:A:GLY:H	8	0.36
(1,1420)	1:810:A:LYS:HG3	1:811:A:GLY:H	8	0.36
(1,1410)	1:799:A:THR:H	1:802:A:GLN:HG2	18	0.36
(1,1410)	1:799:A:THR:H	1:802:A:GLN:HG3	18	0.36
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG12	15	0.36
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG13	15	0.36
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	15	0.36
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	15	0.36
(1,1330)	1:782:A:GLN:HB2	1:783:A:THR:H	1	0.36
(1,1330)	1:782:A:GLN:HB3	1:783:A:THR:H	1	0.36
(1,1321)	1:778:A:VAL:HG11	1:820:A:GLN:H	3	0.36
(1,1321)	1:778:A:VAL:HG12	1:820:A:GLN:H	3	0.36
(1,1321)	1:778:A:VAL:HG13	1:820:A:GLN:H	3	0.36
(1,1321)	1:778:A:VAL:HG21	1:820:A:GLN:H	3	0.36
(1,1321)	1:778:A:VAL:HG22	1:820:A:GLN:H	3	0.36
(1,1321)	1:778:A:VAL:HG23	1:820:A:GLN:H	3	0.36
(1,1313)	1:775:A:LYS:HB2	1:822:A:GLN:H	8	0.36
(1,1313)	1:775:A:LYS:HB3	1:822:A:GLN:H	8	0.36
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	7	0.36
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	7	0.36
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	7	0.36
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	7	0.36
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	7	0.36
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	7	0.36
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG11	12	0.36
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG12	12	0.36
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG13	12	0.36
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG21	12	0.36
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG22	12	0.36
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG23	12	0.36
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG11	12	0.36
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG12	12	0.36
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG13	12	0.36
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG21	12	0.36
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG22	12	0.36
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG23	12	0.36
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG11	15	0.36
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG12	15	0.36
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG13	15	0.36
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG21	15	0.36
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG22	15	0.36
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG23	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG11	15	0.36
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG12	15	0.36
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG13	15	0.36
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG21	15	0.36
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG22	15	0.36
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG23	15	0.36
(1,1219)	1:737:A:SER:HB2	1:755:A:TYR:HA	2	0.36
(1,1219)	1:737:A:SER:HB3	1:755:A:TYR:HA	2	0.36
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	13	0.36
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	13	0.36
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB1	6	0.36
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB2	6	0.36
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB3	6	0.36
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB1	6	0.36
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB2	6	0.36
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB3	6	0.36
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB1	6	0.36
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB2	6	0.36
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB3	6	0.36
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB1	6	0.36
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB2	6	0.36
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB3	6	0.36
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB1	6	0.36
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB2	6	0.36
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB3	6	0.36
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB1	6	0.36
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB2	6	0.36
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB3	6	0.36
(1,1103)	1:701:A:VAL:HG11	1:741:A:ALA:H	11	0.36
(1,1103)	1:701:A:VAL:HG12	1:741:A:ALA:H	11	0.36
(1,1103)	1:701:A:VAL:HG13	1:741:A:ALA:H	11	0.36
(1,1103)	1:701:A:VAL:HG21	1:741:A:ALA:H	11	0.36
(1,1103)	1:701:A:VAL:HG22	1:741:A:ALA:H	11	0.36
(1,1103)	1:701:A:VAL:HG23	1:741:A:ALA:H	11	0.36
(1,1103)	1:701:A:VAL:HG11	1:741:A:ALA:H	14	0.36
(1,1103)	1:701:A:VAL:HG12	1:741:A:ALA:H	14	0.36
(1,1103)	1:701:A:VAL:HG13	1:741:A:ALA:H	14	0.36
(1,1103)	1:701:A:VAL:HG21	1:741:A:ALA:H	14	0.36
(1,1103)	1:701:A:VAL:HG22	1:741:A:ALA:H	14	0.36
(1,1103)	1:701:A:VAL:HG23	1:741:A:ALA:H	14	0.36
(1,1103)	1:701:A:VAL:HG11	1:741:A:ALA:H	19	0.36
(1,1103)	1:701:A:VAL:HG12	1:741:A:ALA:H	19	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1103)	1:701:A:VAL:HG13	1:741:A:ALA:H	19	0.36
(1,1103)	1:701:A:VAL:HG21	1:741:A:ALA:H	19	0.36
(1,1103)	1:701:A:VAL:HG22	1:741:A:ALA:H	19	0.36
(1,1103)	1:701:A:VAL:HG23	1:741:A:ALA:H	19	0.36
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	12	0.36
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	12	0.36
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	12	0.36
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	12	0.36
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	12	0.36
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	12	0.36
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	8	0.36
(1,997)	1:753:A:GLY:HA3	1:761:A:TYR:H	4	0.36
(1,882)	1:739:A:THR:H	1:751:A:LEU:H	8	0.36
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	15	0.36
(1,863)	1:728:A:THR:HG21	1:729:A:THR:H	11	0.36
(1,863)	1:728:A:THR:HG22	1:729:A:THR:H	11	0.36
(1,863)	1:728:A:THR:HG23	1:729:A:THR:H	11	0.36
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	9	0.36
(1,794)	1:777:A:PRO:HA	1:820:A:GLN:H	15	0.36
(1,781)	1:713:A:LYS:H	1:713:A:LYS:HG3	3	0.36
(1,773)	1:778:A:VAL:H	1:820:A:GLN:H	20	0.36
(1,772)	1:792:A:LEU:HA	1:839:A:TRP:H	4	0.36
(1,718)	1:749:A:PHE:H	1:749:A:PHE:HE2	4	0.36
(1,712)	1:715:A:SER:H	1:716:A:GLY:H	5	0.36
(1,712)	1:715:A:SER:H	1:716:A:GLY:H	11	0.36
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	1	0.36
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	2	0.36
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	5	0.36
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	7	0.36
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	8	0.36
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	9	0.36
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	10	0.36
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	11	0.36
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	14	0.36
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	15	0.36
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	16	0.36
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	17	0.36
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	18	0.36
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	19	0.36
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	20	0.36
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	3	0.36
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	6	0.36
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	1	0.36
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	1	0.36
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	20	0.36
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	20	0.36
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	1	0.36
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	5	0.36
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	9	0.36
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	20	0.36
(1,411)	1:713:A:LYS:H	1:713:A:LYS:HE3	16	0.36
(1,396)	1:721:A:VAL:H	1:721:A:VAL:HG11	6	0.36
(1,396)	1:721:A:VAL:H	1:721:A:VAL:HG12	6	0.36
(1,396)	1:721:A:VAL:H	1:721:A:VAL:HG13	6	0.36
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	19	0.36
(1,243)	1:810:A:LYS:HA	1:810:A:LYS:HG3	14	0.36
(1,238)	1:741:A:ALA:HB1	1:750:A:TYR:HD1	6	0.36
(1,238)	1:741:A:ALA:HB1	1:750:A:TYR:HD2	6	0.36
(1,238)	1:741:A:ALA:HB2	1:750:A:TYR:HD1	6	0.36
(1,238)	1:741:A:ALA:HB2	1:750:A:TYR:HD2	6	0.36
(1,238)	1:741:A:ALA:HB3	1:750:A:TYR:HD1	6	0.36
(1,238)	1:741:A:ALA:HB3	1:750:A:TYR:HD2	6	0.36
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	12	0.36
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	12	0.36
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	12	0.36
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	19	0.36
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	18	0.36
(1,110)	1:785:A:ASN:HA	1:814:A:THR:HA	16	0.36
(1,106)	1:780:A:ILE:H	1:780:A:ILE:HG13	15	0.36
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	16	0.36
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	13	0.36
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	6	0.36
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	18	0.36
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	18	0.36
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	18	0.36
(1,49)	1:743:A:THR:H	1:743:A:THR:HG21	5	0.36
(1,49)	1:743:A:THR:H	1:743:A:THR:HG22	5	0.36
(1,49)	1:743:A:THR:H	1:743:A:THR:HG23	5	0.36
(1,49)	1:743:A:THR:H	1:743:A:THR:HG21	6	0.36
(1,49)	1:743:A:THR:H	1:743:A:THR:HG22	6	0.36
(1,49)	1:743:A:THR:H	1:743:A:THR:HG23	6	0.36
(1,49)	1:743:A:THR:H	1:743:A:THR:HG21	18	0.36
(1,49)	1:743:A:THR:H	1:743:A:THR:HG22	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:743:A:THR:H	1:743:A:THR:HG23	18	0.36
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	2	0.36
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	4	0.36
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	6	0.36
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	8	0.36
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	10	0.36
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	14	0.36
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	15	0.36
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	17	0.36
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	18	0.36
(1,46)	1:806:A:THR:HA	1:806:A:THR:HB	20	0.36
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	16	0.36
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	19	0.36
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	18	0.35
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	18	0.35
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG2	6	0.35
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG3	6	0.35
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG2	6	0.35
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG3	6	0.35
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG2	6	0.35
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG3	6	0.35
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG2	6	0.35
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG3	6	0.35
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG2	6	0.35
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG3	6	0.35
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG2	6	0.35
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG3	6	0.35
(1,1311)	1:775:A:LYS:H	1:822:A:GLN:HB2	16	0.35
(1,1311)	1:775:A:LYS:H	1:822:A:GLN:HB3	16	0.35
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG11	16	0.35
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG12	16	0.35
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG13	16	0.35
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG21	16	0.35
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG22	16	0.35
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG23	16	0.35
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	16	0.35
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	16	0.35
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	16	0.35
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	16	0.35
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	16	0.35
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	16	0.35
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	2	0.35
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	2	0.35
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	2	0.35
(1,1198)	1:725:A:LYS:HA	1:725:A:LYS:HE2	4	0.35
(1,1198)	1:725:A:LYS:HA	1:725:A:LYS:HE3	4	0.35
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD11	5	0.35
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD12	5	0.35
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD13	5	0.35
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD21	5	0.35
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD22	5	0.35
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD23	5	0.35
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	12	0.35
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	12	0.35
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB1	3	0.35
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB2	3	0.35
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB3	3	0.35
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB1	3	0.35
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB2	3	0.35
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB3	3	0.35
(1,1106)	1:703:A:ASN:HA	1:740:A:LYS:HG2	2	0.35
(1,1106)	1:703:A:ASN:HA	1:740:A:LYS:HG3	2	0.35
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD11	18	0.35
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD12	18	0.35
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD13	18	0.35
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD21	18	0.35
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD22	18	0.35
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD23	18	0.35
(1,1079)	1:794:A:THR:HA	1:839:A:TRP:HD1	2	0.35
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE1	8	0.35
(1,1058)	1:800:A:TYR:HA	1:800:A:TYR:HE2	8	0.35
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	3	0.35
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	3	0.35
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	6	0.35
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	6	0.35
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	17	0.35
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	20	0.35
(1,1001)	1:779:A:LYS:H	1:779:A:LYS:HB2	6	0.35
(1,977)	1:700:A:THR:H	1:743:A:THR:H	14	0.35
(1,966)	1:697:A:ASN:HA	1:745:A:GLY:H	4	0.35
(1,941)	1:786:A:VAL:HA	1:846:A:THR:H	17	0.35
(1,919)	1:789:A:GLY:H	1:807:A:VAL:H	16	0.35
(1,809)	1:830:A:TYR:HA	1:840:A:ILE:H	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,773)	1:778:A:VAL:H	1:820:A:GLN:H	8	0.35
(1,731)	1:714:A:ASN:HA	1:716:A:GLY:H	1	0.35
(1,712)	1:715:A:SER:H	1:716:A:GLY:H	17	0.35
(1,668)	1:773:A:THR:H	1:773:A:THR:HG21	4	0.35
(1,668)	1:773:A:THR:H	1:773:A:THR:HG22	4	0.35
(1,668)	1:773:A:THR:H	1:773:A:THR:HG23	4	0.35
(1,668)	1:773:A:THR:H	1:773:A:THR:HG21	10	0.35
(1,668)	1:773:A:THR:H	1:773:A:THR:HG22	10	0.35
(1,668)	1:773:A:THR:H	1:773:A:THR:HG23	10	0.35
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	4	0.35
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	6	0.35
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	12	0.35
(1,651)	1:832:A:THR:HA	1:832:A:THR:HB	13	0.35
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	4	0.35
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	14	0.35
(1,587)	1:764:A:VAL:H	1:765:A:LYS:HA	5	0.35
(1,586)	1:796:A:PRO:HA	1:828:A:TYR:HB2	2	0.35
(1,560)	1:721:A:VAL:HA	1:749:A:PHE:HE2	14	0.35
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	9	0.35
(1,526)	1:781:A:ASN:HA	1:818:A:THR:HA	8	0.35
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	16	0.35
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	16	0.35
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	1	0.35
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	3	0.35
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	4	0.35
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	6	0.35
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	7	0.35
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	10	0.35
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	14	0.35
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	16	0.35
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	18	0.35
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	19	0.35
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	20	0.35
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	1	0.35
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	6	0.35
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	7	0.35
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	16	0.35
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	18	0.35
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	19	0.35
(1,411)	1:713:A:LYS:H	1:713:A:LYS:HE3	2	0.35
(1,370)	1:765:A:LYS:H	1:765:A:LYS:HE3	3	0.35
(1,351)	1:711:A:ASN:H	1:769:A:VAL:HA	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	1	0.35
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	2	0.35
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	4	0.35
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	6	0.35
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	8	0.35
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	9	0.35
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	10	0.35
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	11	0.35
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	12	0.35
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	14	0.35
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	15	0.35
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	16	0.35
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	17	0.35
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	18	0.35
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	19	0.35
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	20	0.35
(1,310)	1:836:A:LYS:HB3	1:836:A:LYS:HG3	13	0.35
(1,303)	1:825:A:LYS:HA	1:825:A:LYS:HD3	18	0.35
(1,286)	1:795:A:VAL:HA	1:839:A:TRP:HD1	14	0.35
(1,256)	1:810:A:LYS:HB3	1:810:A:LYS:HG2	10	0.35
(1,229)	1:705:A:SER:HA	1:739:A:THR:HA	12	0.35
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	2	0.35
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	15	0.35
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	1	0.35
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	8	0.35
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	14	0.35
(1,132)	1:787:A:LYS:HA	1:812:A:ASP:HA	6	0.35
(1,92)	1:710:A:ILE:HB	1:732:A:ILE:HA	14	0.35
(1,92)	1:710:A:ILE:HB	1:732:A:ILE:HA	20	0.35
(1,7)	1:740:A:LYS:HA	1:740:A:LYS:HD3	12	0.35
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD11	5	0.34
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD12	5	0.34
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD13	5	0.34
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD21	5	0.34
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD22	5	0.34
(1,1473)	1:841:A:SER:H	1:845:A:LEU:HD23	5	0.34
(1,1448)	1:825:A:LYS:HA	1:825:A:LYS:HE2	18	0.34
(1,1448)	1:825:A:LYS:HA	1:825:A:LYS:HE3	18	0.34
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG21	1	0.34
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG22	1	0.34
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG23	1	0.34
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG21	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG22	1	0.34
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG23	1	0.34
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	1	0.34
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	1	0.34
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	12	0.34
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	12	0.34
(1,1420)	1:810:A:LYS:HG2	1:811:A:GLY:H	15	0.34
(1,1420)	1:810:A:LYS:HG3	1:811:A:GLY:H	15	0.34
(1,1416)	1:803:A:VAL:HG11	1:805:A:GLY:H	20	0.34
(1,1416)	1:803:A:VAL:HG12	1:805:A:GLY:H	20	0.34
(1,1416)	1:803:A:VAL:HG13	1:805:A:GLY:H	20	0.34
(1,1416)	1:803:A:VAL:HG21	1:805:A:GLY:H	20	0.34
(1,1416)	1:803:A:VAL:HG22	1:805:A:GLY:H	20	0.34
(1,1416)	1:803:A:VAL:HG23	1:805:A:GLY:H	20	0.34
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG12	1	0.34
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG13	1	0.34
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG12	7	0.34
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG13	7	0.34
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG21	16	0.34
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG22	16	0.34
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG23	16	0.34
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG21	16	0.34
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG22	16	0.34
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG23	16	0.34
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG11	13	0.34
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG12	13	0.34
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG13	13	0.34
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG21	13	0.34
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG22	13	0.34
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG23	13	0.34
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG11	13	0.34
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG12	13	0.34
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG13	13	0.34
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG21	13	0.34
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG22	13	0.34
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG23	13	0.34
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG11	13	0.34
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG12	13	0.34
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG13	13	0.34
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG21	13	0.34
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG22	13	0.34
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG23	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG11	13	0.34
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG12	13	0.34
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG13	13	0.34
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG21	13	0.34
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG22	13	0.34
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG23	13	0.34
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG11	13	0.34
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG12	13	0.34
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG13	13	0.34
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG21	13	0.34
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG22	13	0.34
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG23	13	0.34
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG11	13	0.34
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG12	13	0.34
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG13	13	0.34
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG21	13	0.34
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG22	13	0.34
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG23	13	0.34
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG2	20	0.34
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG3	20	0.34
(1,1321)	1:778:A:VAL:HG11	1:820:A:GLN:H	2	0.34
(1,1321)	1:778:A:VAL:HG12	1:820:A:GLN:H	2	0.34
(1,1321)	1:778:A:VAL:HG13	1:820:A:GLN:H	2	0.34
(1,1321)	1:778:A:VAL:HG21	1:820:A:GLN:H	2	0.34
(1,1321)	1:778:A:VAL:HG22	1:820:A:GLN:H	2	0.34
(1,1321)	1:778:A:VAL:HG23	1:820:A:GLN:H	2	0.34
(1,1321)	1:778:A:VAL:HG11	1:820:A:GLN:H	6	0.34
(1,1321)	1:778:A:VAL:HG12	1:820:A:GLN:H	6	0.34
(1,1321)	1:778:A:VAL:HG13	1:820:A:GLN:H	6	0.34
(1,1321)	1:778:A:VAL:HG21	1:820:A:GLN:H	6	0.34
(1,1321)	1:778:A:VAL:HG22	1:820:A:GLN:H	6	0.34
(1,1321)	1:778:A:VAL:HG23	1:820:A:GLN:H	6	0.34
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG21	1	0.34
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG22	1	0.34
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG23	1	0.34
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG21	1	0.34
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG22	1	0.34
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG23	1	0.34
(1,1275)	1:753:A:GLY:HA2	1:762:A:GLY:H	4	0.34
(1,1275)	1:753:A:GLY:HA3	1:762:A:GLY:H	4	0.34
(1,1202)	1:725:A:LYS:HG2	1:726:A:GLY:H	8	0.34
(1,1202)	1:725:A:LYS:HG3	1:726:A:GLY:H	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	1	0.34
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	1	0.34
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	1	0.34
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	1	0.34
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	1	0.34
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	1	0.34
(1,1112)	1:704:A:ASN:HB2	1:740:A:LYS:HA	9	0.34
(1,1112)	1:704:A:ASN:HB3	1:740:A:LYS:HA	9	0.34
(1,1075)	1:797:A:TRP:H	1:797:A:TRP:HD1	19	0.34
(1,1048)	1:793:A:HIS:HB2	1:793:A:HIS:HE1	6	0.34
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE1	3	0.34
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE2	3	0.34
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE1	3	0.34
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE2	3	0.34
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE1	3	0.34
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE2	3	0.34
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE1	11	0.34
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE2	11	0.34
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE1	11	0.34
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE2	11	0.34
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE1	11	0.34
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE2	11	0.34
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	7	0.34
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	7	0.34
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	17	0.34
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	17	0.34
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD1	2	0.34
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD2	2	0.34
(1,1038)	1:793:A:HIS:HA	1:793:A:HIS:HD2	3	0.34
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	16	0.34
(1,995)	1:754:A:ASP:H	1:761:A:TYR:H	18	0.34
(1,914)	1:795:A:VAL:H	1:798:A:GLY:H	18	0.34
(1,878)	1:750:A:TYR:H	1:763:A:TRP:HA	18	0.34
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE1	4	0.34
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE2	4	0.34
(1,858)	1:822:A:GLN:HA	1:828:A:TYR:H	2	0.34
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	18	0.34
(1,794)	1:777:A:PRO:HA	1:820:A:GLN:H	20	0.34
(1,781)	1:713:A:LYS:H	1:713:A:LYS:HG3	6	0.34
(1,725)	1:843:A:TYR:H	1:843:A:TYR:HE1	20	0.34
(1,706)	1:828:A:TYR:HA	1:842:A:LYS:H	20	0.34
(1,704)	1:829:A:LEU:H	1:842:A:LYS:H	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:773:A:THR:H	1:773:A:THR:HG21	19	0.34
(1,668)	1:773:A:THR:H	1:773:A:THR:HG22	19	0.34
(1,668)	1:773:A:THR:H	1:773:A:THR:HG23	19	0.34
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	15	0.34
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	15	0.34
(1,608)	1:816:A:LYS:HA	1:816:A:LYS:HG3	17	0.34
(1,608)	1:816:A:LYS:HA	1:816:A:LYS:HG3	18	0.34
(1,576)	1:775:A:LYS:H	1:775:A:LYS:HG2	11	0.34
(1,572)	1:700:A:THR:H	1:743:A:THR:HB	8	0.34
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	6	0.34
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	1	0.34
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	3	0.34
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	12	0.34
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	17	0.34
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	18	0.34
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	19	0.34
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	17	0.34
(1,495)	1:779:A:LYS:HA	1:819:A:LYS:HA	14	0.34
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	3	0.34
(1,446)	1:836:A:LYS:HB2	1:836:A:LYS:HG2	13	0.34
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	2	0.34
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	5	0.34
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	8	0.34
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	9	0.34
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	11	0.34
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	12	0.34
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	13	0.34
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	15	0.34
(1,435)	1:783:A:THR:HA	1:783:A:THR:HB	17	0.34
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	4	0.34
(1,412)	1:713:A:LYS:HA	1:713:A:LYS:HE3	13	0.34
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	9	0.34
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	9	0.34
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	9	0.34
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	3	0.34
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	5	0.34
(1,312)	1:836:A:LYS:HB3	1:836:A:LYS:HG2	7	0.34
(1,276)	1:775:A:LYS:HA	1:775:A:LYS:HG3	8	0.34
(1,224)	1:732:A:ILE:HD11	1:733:A:GLN:H	3	0.34
(1,224)	1:732:A:ILE:HD12	1:733:A:GLN:H	3	0.34
(1,224)	1:732:A:ILE:HD13	1:733:A:GLN:H	3	0.34
(1,214)	1:793:A:HIS:HB3	1:793:A:HIS:HE1	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:793:A:HIS:HB3	1:793:A:HIS:HE1	17	0.34
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	10	0.34
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	19	0.34
(1,193)	1:706:A:GLY:HA3	1:773:A:THR:HA	2	0.34
(1,163)	1:775:A:LYS:HA	1:775:A:LYS:HG2	2	0.34
(1,132)	1:787:A:LYS:HA	1:812:A:ASP:HA	20	0.34
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	8	0.34
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	8	0.34
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	8	0.34
(1,47)	1:743:A:THR:HG21	1:744:A:LEU:H	20	0.34
(1,47)	1:743:A:THR:HG22	1:744:A:LEU:H	20	0.34
(1,47)	1:743:A:THR:HG23	1:744:A:LEU:H	20	0.34
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	12	0.34
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	10	0.34
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	10	0.34
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	10	0.34
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	8	0.34
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	8	0.34
(1,1431)	1:816:A:LYS:HB2	1:832:A:THR:HB	2	0.33
(1,1431)	1:816:A:LYS:HB3	1:832:A:THR:HB	2	0.33
(1,1431)	1:816:A:LYS:HB2	1:832:A:THR:HB	8	0.33
(1,1431)	1:816:A:LYS:HB3	1:832:A:THR:HB	8	0.33
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	5	0.33
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	5	0.33
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG11	11	0.33
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG12	11	0.33
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG13	11	0.33
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG21	11	0.33
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG22	11	0.33
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG23	11	0.33
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG2	14	0.33
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG3	14	0.33
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG21	6	0.33
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG22	6	0.33
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG23	6	0.33
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG21	6	0.33
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG22	6	0.33
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG23	6	0.33
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG21	6	0.33
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG22	6	0.33
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG23	6	0.33
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG21	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG22	6	0.33
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG23	6	0.33
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG21	6	0.33
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG22	6	0.33
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG23	6	0.33
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG21	6	0.33
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG22	6	0.33
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG23	6	0.33
(1,1317)	1:777:A:PRO:HB2	1:820:A:GLN:H	11	0.33
(1,1317)	1:777:A:PRO:HB3	1:820:A:GLN:H	11	0.33
(1,1311)	1:775:A:LYS:H	1:822:A:GLN:HB2	9	0.33
(1,1311)	1:775:A:LYS:H	1:822:A:GLN:HB3	9	0.33
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	8	0.33
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	8	0.33
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	8	0.33
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	8	0.33
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	8	0.33
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	8	0.33
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG11	5	0.33
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG12	5	0.33
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG13	5	0.33
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG21	5	0.33
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG22	5	0.33
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG23	5	0.33
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG11	5	0.33
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG12	5	0.33
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG13	5	0.33
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG21	5	0.33
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG22	5	0.33
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG23	5	0.33
(1,1243)	1:744:A:LEU:HB2	1:747:A:LYS:H	13	0.33
(1,1243)	1:744:A:LEU:HB3	1:747:A:LYS:H	13	0.33
(1,1219)	1:737:A:SER:HB2	1:755:A:TYR:HA	1	0.33
(1,1219)	1:737:A:SER:HB3	1:755:A:TYR:HA	1	0.33
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE2	2	0.33
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE3	2	0.33
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE2	2	0.33
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE3	2	0.33
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE2	9	0.33
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE3	9	0.33
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE2	9	0.33
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE3	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	3	0.33
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	3	0.33
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	16	0.33
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	16	0.33
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	16	0.33
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	16	0.33
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	16	0.33
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	16	0.33
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG11	18	0.33
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG12	18	0.33
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG13	18	0.33
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG21	18	0.33
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG22	18	0.33
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG23	18	0.33
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG11	18	0.33
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG12	18	0.33
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG13	18	0.33
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG21	18	0.33
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG22	18	0.33
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG23	18	0.33
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG11	18	0.33
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG12	18	0.33
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG13	18	0.33
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG21	18	0.33
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG22	18	0.33
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG23	18	0.33
(1,1118)	1:706:A:GLY:HA2	1:772:A:ASN:H	9	0.33
(1,1118)	1:706:A:GLY:HA3	1:772:A:ASN:H	9	0.33
(1,1075)	1:797:A:TRP:H	1:797:A:TRP:HD1	13	0.33
(1,1048)	1:793:A:HIS:HB2	1:793:A:HIS:HE1	3	0.33
(1,1048)	1:793:A:HIS:HB2	1:793:A:HIS:HE1	11	0.33
(1,1048)	1:793:A:HIS:HB2	1:793:A:HIS:HE1	15	0.33
(1,1048)	1:793:A:HIS:HB2	1:793:A:HIS:HE1	18	0.33
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	10	0.33
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	10	0.33
(1,1025)	1:818:A:THR:H	1:832:A:THR:H	4	0.33
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	9	0.33
(1,1001)	1:779:A:LYS:H	1:779:A:LYS:HB2	19	0.33
(1,968)	1:699:A:LEU:HA	1:745:A:GLY:H	3	0.33
(1,945)	1:799:A:THR:H	1:802:A:GLN:H	20	0.33
(1,936)	1:709:A:GLN:HA	1:734:A:ARG:H	20	0.33
(1,863)	1:728:A:THR:HG21	1:729:A:THR:H	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:728:A:THR:HG22	1:729:A:THR:H	7	0.33
(1,863)	1:728:A:THR:HG23	1:729:A:THR:H	7	0.33
(1,835)	1:817:A:ALA:HB1	1:819:A:LYS:H	6	0.33
(1,835)	1:817:A:ALA:HB2	1:819:A:LYS:H	6	0.33
(1,835)	1:817:A:ALA:HB3	1:819:A:LYS:H	6	0.33
(1,823)	1:780:A:ILE:HD11	1:781:A:ASN:H	14	0.33
(1,823)	1:780:A:ILE:HD12	1:781:A:ASN:H	14	0.33
(1,823)	1:780:A:ILE:HD13	1:781:A:ASN:H	14	0.33
(1,781)	1:713:A:LYS:H	1:713:A:LYS:HG3	20	0.33
(1,737)	1:738:A:VAL:HA	1:753:A:GLY:H	8	0.33
(1,668)	1:773:A:THR:H	1:773:A:THR:HG21	3	0.33
(1,668)	1:773:A:THR:H	1:773:A:THR:HG22	3	0.33
(1,668)	1:773:A:THR:H	1:773:A:THR:HG23	3	0.33
(1,668)	1:773:A:THR:H	1:773:A:THR:HG21	5	0.33
(1,668)	1:773:A:THR:H	1:773:A:THR:HG22	5	0.33
(1,668)	1:773:A:THR:H	1:773:A:THR:HG23	5	0.33
(1,668)	1:773:A:THR:H	1:773:A:THR:HG21	6	0.33
(1,668)	1:773:A:THR:H	1:773:A:THR:HG22	6	0.33
(1,668)	1:773:A:THR:H	1:773:A:THR:HG23	6	0.33
(1,668)	1:773:A:THR:H	1:773:A:THR:HG21	14	0.33
(1,668)	1:773:A:THR:H	1:773:A:THR:HG22	14	0.33
(1,668)	1:773:A:THR:H	1:773:A:THR:HG23	14	0.33
(1,624)	1:713:A:LYS:HB3	1:713:A:LYS:HE3	13	0.33
(1,595)	1:709:A:GLN:HA	1:735:A:THR:HA	20	0.33
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	2	0.33
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	4	0.33
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	5	0.33
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	6	0.33
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	7	0.33
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	8	0.33
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	10	0.33
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	11	0.33
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	13	0.33
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	14	0.33
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	15	0.33
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	16	0.33
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	1	0.33
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	8	0.33
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	13	0.33
(1,502)	1:842:A:LYS:HA	1:842:A:LYS:HG3	20	0.33
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	10	0.33
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	10	0.33
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	9	0.33
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	9	0.33
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	19	0.33
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	19	0.33
(1,384)	1:842:A:LYS:HA	1:842:A:LYS:HG2	15	0.33
(1,303)	1:825:A:LYS:HA	1:825:A:LYS:HD3	11	0.33
(1,276)	1:775:A:LYS:HA	1:775:A:LYS:HG3	14	0.33
(1,265)	1:734:A:ARG:HA	1:734:A:ARG:HD2	17	0.33
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	2	0.33
(1,246)	1:788:A:PRO:HB2	1:809:A:GLY:H	7	0.33
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	8	0.33
(1,211)	1:752:A:VAL:H	1:764:A:VAL:HB	10	0.33
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	17	0.33
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	1	0.33
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	2	0.33
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	8	0.33
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	10	0.33
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	12	0.33
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	14	0.33
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	16	0.33
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	18	0.33
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	3	0.33
(1,176)	1:709:A:GLN:HB2	1:734:A:ARG:H	5	0.33
(1,165)	1:831:A:GLY:H	1:839:A:TRP:HA	16	0.33
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	6	0.33
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	13	0.33
(1,160)	1:822:A:GLN:HA	1:822:A:GLN:HG2	18	0.33
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	10	0.33
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	15	0.33
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	15	0.33
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	15	0.33
(1,47)	1:743:A:THR:HG21	1:744:A:LEU:H	16	0.33
(1,47)	1:743:A:THR:HG22	1:744:A:LEU:H	16	0.33
(1,47)	1:743:A:THR:HG23	1:744:A:LEU:H	16	0.33
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	2	0.33
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	3	0.33
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	8	0.33
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG21	7	0.32
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG22	7	0.32
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG23	7	0.32
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG21	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG22	7	0.32
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG23	7	0.32
(1,1373)	1:791:A:LYS:HB2	1:793:A:HIS:HE1	6	0.32
(1,1373)	1:791:A:LYS:HB3	1:793:A:HIS:HE1	6	0.32
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG11	18	0.32
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG12	18	0.32
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG13	18	0.32
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG21	18	0.32
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG22	18	0.32
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG23	18	0.32
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG11	18	0.32
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG12	18	0.32
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG13	18	0.32
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG21	18	0.32
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG22	18	0.32
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG23	18	0.32
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG11	18	0.32
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG12	18	0.32
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG13	18	0.32
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG21	18	0.32
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG22	18	0.32
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG23	18	0.32
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG11	18	0.32
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG12	18	0.32
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG13	18	0.32
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG21	18	0.32
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG22	18	0.32
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG23	18	0.32
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG11	18	0.32
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG12	18	0.32
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG13	18	0.32
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG21	18	0.32
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG22	18	0.32
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG23	18	0.32
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG11	18	0.32
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG12	18	0.32
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG13	18	0.32
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG21	18	0.32
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG22	18	0.32
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG23	18	0.32
(1,1330)	1:782:A:GLN:HB2	1:783:A:THR:H	9	0.32
(1,1330)	1:782:A:GLN:HB3	1:783:A:THR:H	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG2	4	0.32
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG3	4	0.32
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD11	16	0.32
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD12	16	0.32
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD13	16	0.32
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD21	16	0.32
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD22	16	0.32
(1,1327)	1:780:A:ILE:HD11	1:829:A:LEU:HD23	16	0.32
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD11	16	0.32
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD12	16	0.32
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD13	16	0.32
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD21	16	0.32
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD22	16	0.32
(1,1327)	1:780:A:ILE:HD12	1:829:A:LEU:HD23	16	0.32
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD11	16	0.32
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD12	16	0.32
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD13	16	0.32
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD21	16	0.32
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD22	16	0.32
(1,1327)	1:780:A:ILE:HD13	1:829:A:LEU:HD23	16	0.32
(1,1314)	1:775:A:LYS:HB2	1:822:A:GLN:HB2	9	0.32
(1,1314)	1:775:A:LYS:HB2	1:822:A:GLN:HB3	9	0.32
(1,1314)	1:775:A:LYS:HB3	1:822:A:GLN:HB2	9	0.32
(1,1314)	1:775:A:LYS:HB3	1:822:A:GLN:HB3	9	0.32
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB2	20	0.32
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB3	20	0.32
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB2	20	0.32
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB3	20	0.32
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	1	0.32
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	1	0.32
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	1	0.32
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	1	0.32
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	1	0.32
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	1	0.32
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	12	0.32
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	12	0.32
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	12	0.32
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	12	0.32
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	12	0.32
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	12	0.32
(1,1244)	1:744:A:LEU:HB2	1:747:A:LYS:HB2	19	0.32
(1,1244)	1:744:A:LEU:HB2	1:747:A:LYS:HB3	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1244)	1:744:A:LEU:HB3	1:747:A:LYS:HB2	19	0.32
(1,1244)	1:744:A:LEU:HB3	1:747:A:LYS:HB3	19	0.32
(1,1243)	1:744:A:LEU:HB2	1:747:A:LYS:H	5	0.32
(1,1243)	1:744:A:LEU:HB3	1:747:A:LYS:H	5	0.32
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE2	11	0.32
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE3	11	0.32
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE2	11	0.32
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE3	11	0.32
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	16	0.32
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	16	0.32
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA2	9	0.32
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA3	9	0.32
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA2	9	0.32
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA3	9	0.32
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG2	5	0.32
(1,1153)	1:715:A:SER:HB2	1:765:A:LYS:HG3	5	0.32
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG2	5	0.32
(1,1153)	1:715:A:SER:HB3	1:765:A:LYS:HG3	5	0.32
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG11	13	0.32
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG12	13	0.32
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG13	13	0.32
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG21	13	0.32
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG22	13	0.32
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG23	13	0.32
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG11	13	0.32
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG12	13	0.32
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG13	13	0.32
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG21	13	0.32
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG22	13	0.32
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG23	13	0.32
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG11	13	0.32
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG12	13	0.32
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG13	13	0.32
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG21	13	0.32
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG22	13	0.32
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG23	13	0.32
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	3	0.32
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	3	0.32
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	3	0.32
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	3	0.32
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	3	0.32
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB1	6	0.32
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB2	6	0.32
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB3	6	0.32
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB1	6	0.32
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB2	6	0.32
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB3	6	0.32
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB1	6	0.32
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB2	6	0.32
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB3	6	0.32
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB1	6	0.32
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB2	6	0.32
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB3	6	0.32
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB1	6	0.32
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB2	6	0.32
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB3	6	0.32
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB1	6	0.32
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB2	6	0.32
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB3	6	0.32
(1,1048)	1:793:A:HIS:HB2	1:793:A:HIS:HE1	1	0.32
(1,1048)	1:793:A:HIS:HB2	1:793:A:HIS:HE1	12	0.32
(1,1048)	1:793:A:HIS:HB2	1:793:A:HIS:HE1	13	0.32
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	4	0.32
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	4	0.32
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	12	0.32
(1,977)	1:700:A:THR:H	1:743:A:THR:H	20	0.32
(1,959)	1:718:A:TYR:HA	1:727:A:LYS:H	11	0.32
(1,957)	1:727:A:LYS:H	1:727:A:LYS:HD2	15	0.32
(1,833)	1:707:A:VAL:H	1:707:A:VAL:HG11	4	0.32
(1,833)	1:707:A:VAL:H	1:707:A:VAL:HG12	4	0.32
(1,833)	1:707:A:VAL:H	1:707:A:VAL:HG13	4	0.32
(1,794)	1:777:A:PRO:HA	1:820:A:GLN:H	8	0.32
(1,793)	1:782:A:GLN:H	1:817:A:ALA:H	11	0.32
(1,736)	1:720:A:THR:H	1:720:A:THR:HG21	11	0.32
(1,736)	1:720:A:THR:H	1:720:A:THR:HG22	11	0.32
(1,736)	1:720:A:THR:H	1:720:A:THR:HG23	11	0.32
(1,668)	1:773:A:THR:H	1:773:A:THR:HG21	9	0.32
(1,668)	1:773:A:THR:H	1:773:A:THR:HG22	9	0.32
(1,668)	1:773:A:THR:H	1:773:A:THR:HG23	9	0.32
(1,668)	1:773:A:THR:H	1:773:A:THR:HG21	13	0.32
(1,668)	1:773:A:THR:H	1:773:A:THR:HG22	13	0.32
(1,668)	1:773:A:THR:H	1:773:A:THR:HG23	13	0.32
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	6	0.32
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	9	0.32
(1,589)	1:749:A:PHE:HA	1:765:A:LYS:HA	1	0.32
(1,556)	1:783:A:THR:HG21	1:816:A:LYS:HA	9	0.32
(1,556)	1:783:A:THR:HG22	1:816:A:LYS:HA	9	0.32
(1,556)	1:783:A:THR:HG23	1:816:A:LYS:HA	9	0.32
(1,545)	1:731:A:GLN:HA	1:731:A:GLN:HG2	18	0.32
(1,537)	1:778:A:VAL:HA	1:778:A:VAL:HB	20	0.32
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	3	0.32
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	12	0.32
(1,502)	1:842:A:LYS:HA	1:842:A:LYS:HG3	13	0.32
(1,458)	1:744:A:LEU:HA	1:744:A:LEU:HG	10	0.32
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	14	0.32
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	14	0.32
(1,424)	1:708:A:ALA:HA	1:771:A:TYR:HA	17	0.32
(1,399)	1:779:A:LYS:H	1:779:A:LYS:HB3	12	0.32
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB1	17	0.32
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB2	17	0.32
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB3	17	0.32
(1,359)	1:832:A:THR:HG21	1:837:A:SER:HA	10	0.32
(1,359)	1:832:A:THR:HG22	1:837:A:SER:HA	10	0.32
(1,359)	1:832:A:THR:HG23	1:837:A:SER:HA	10	0.32
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	20	0.32
(1,276)	1:775:A:LYS:HA	1:775:A:LYS:HG3	17	0.32
(1,276)	1:775:A:LYS:HA	1:775:A:LYS:HG3	18	0.32
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	4	0.32
(1,255)	1:713:A:LYS:HA	1:714:A:ASN:H	11	0.32
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	1	0.32
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	3	0.32
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	4	0.32
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	5	0.32
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	6	0.32
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	7	0.32
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	9	0.32
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	11	0.32
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	15	0.32
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	17	0.32
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	19	0.32
(1,203)	1:759:A:THR:HA	1:759:A:THR:HB	20	0.32
(1,176)	1:709:A:GLN:HB2	1:734:A:ARG:H	17	0.32
(1,163)	1:775:A:LYS:HA	1:775:A:LYS:HG2	4	0.32
(1,141)	1:752:A:VAL:HA	1:752:A:VAL:HB	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	16	0.32
(1,116)	1:734:A:ARG:HA	1:734:A:ARG:HD3	14	0.32
(1,49)	1:743:A:THR:H	1:743:A:THR:HG21	2	0.32
(1,49)	1:743:A:THR:H	1:743:A:THR:HG22	2	0.32
(1,49)	1:743:A:THR:H	1:743:A:THR:HG23	2	0.32
(1,47)	1:743:A:THR:HG21	1:744:A:LEU:H	13	0.32
(1,47)	1:743:A:THR:HG22	1:744:A:LEU:H	13	0.32
(1,47)	1:743:A:THR:HG23	1:744:A:LEU:H	13	0.32
(1,15)	1:774:A:ALA:HA	1:823:A:ILE:HG21	18	0.32
(1,15)	1:774:A:ALA:HA	1:823:A:ILE:HG22	18	0.32
(1,15)	1:774:A:ALA:HA	1:823:A:ILE:HG23	18	0.32
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	4	0.32
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	17	0.32
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	20	0.32
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB2	1	0.31
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB3	1	0.31
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA2	10	0.31
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA3	10	0.31
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA2	10	0.31
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA3	10	0.31
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA2	10	0.31
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA3	10	0.31
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	20	0.31
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	20	0.31
(1,1417)	1:804:A:ALA:HB1	1:838:A:GLY:HA2	19	0.31
(1,1417)	1:804:A:ALA:HB1	1:838:A:GLY:HA3	19	0.31
(1,1417)	1:804:A:ALA:HB2	1:838:A:GLY:HA2	19	0.31
(1,1417)	1:804:A:ALA:HB2	1:838:A:GLY:HA3	19	0.31
(1,1417)	1:804:A:ALA:HB3	1:838:A:GLY:HA2	19	0.31
(1,1417)	1:804:A:ALA:HB3	1:838:A:GLY:HA3	19	0.31
(1,1408)	1:797:A:TRP:HB2	1:823:A:ILE:HG12	5	0.31
(1,1408)	1:797:A:TRP:HB2	1:823:A:ILE:HG13	5	0.31
(1,1408)	1:797:A:TRP:HB3	1:823:A:ILE:HG12	5	0.31
(1,1408)	1:797:A:TRP:HB3	1:823:A:ILE:HG13	5	0.31
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB1	16	0.31
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB2	16	0.31
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB3	16	0.31
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB1	16	0.31
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB2	16	0.31
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB3	16	0.31
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG11	16	0.31
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG12	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG13	16	0.31
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG21	16	0.31
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG22	16	0.31
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG23	16	0.31
(1,1330)	1:782:A:GLN:HB2	1:783:A:THR:H	12	0.31
(1,1330)	1:782:A:GLN:HB3	1:783:A:THR:H	12	0.31
(1,1313)	1:775:A:LYS:HB2	1:822:A:GLN:H	11	0.31
(1,1313)	1:775:A:LYS:HB3	1:822:A:GLN:H	11	0.31
(1,1303)	1:767:A:ASP:HB2	1:769:A:VAL:H	12	0.31
(1,1303)	1:767:A:ASP:HB3	1:769:A:VAL:H	12	0.31
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB2	8	0.31
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB3	8	0.31
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB2	8	0.31
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB3	8	0.31
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG11	1	0.31
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG12	1	0.31
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG13	1	0.31
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG21	1	0.31
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG22	1	0.31
(1,1223)	1:738:A:VAL:HA	1:752:A:VAL:HG23	1	0.31
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE2	3	0.31
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE3	3	0.31
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE2	3	0.31
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE3	3	0.31
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB2	16	0.31
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB3	16	0.31
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	1	0.31
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	1	0.31
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	1	0.31
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	1	0.31
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	1	0.31
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	1	0.31
(1,1119)	1:706:A:GLY:HA2	1:773:A:THR:HA	13	0.31
(1,1119)	1:706:A:GLY:HA3	1:773:A:THR:HA	13	0.31
(1,1103)	1:701:A:VAL:HG11	1:741:A:ALA:H	5	0.31
(1,1103)	1:701:A:VAL:HG12	1:741:A:ALA:H	5	0.31
(1,1103)	1:701:A:VAL:HG13	1:741:A:ALA:H	5	0.31
(1,1103)	1:701:A:VAL:HG21	1:741:A:ALA:H	5	0.31
(1,1103)	1:701:A:VAL:HG22	1:741:A:ALA:H	5	0.31
(1,1103)	1:701:A:VAL:HG23	1:741:A:ALA:H	5	0.31
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	16	0.31
(1,1076)	1:797:A:TRP:HA	1:797:A:TRP:HD1	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1065)	1:761:A:TYR:HA	1:761:A:TYR:HE1	19	0.31
(1,1065)	1:761:A:TYR:HA	1:761:A:TYR:HE2	19	0.31
(1,1048)	1:793:A:HIS:HB2	1:793:A:HIS:HE1	10	0.31
(1,1048)	1:793:A:HIS:HB2	1:793:A:HIS:HE1	19	0.31
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	9	0.31
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	9	0.31
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	14	0.31
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	14	0.31
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	3	0.31
(1,995)	1:754:A:ASP:H	1:761:A:TYR:H	2	0.31
(1,929)	1:709:A:GLN:H	1:769:A:VAL:HB	7	0.31
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE1	17	0.31
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE2	17	0.31
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE1	19	0.31
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE2	19	0.31
(1,858)	1:822:A:GLN:HA	1:828:A:TYR:H	3	0.31
(1,834)	1:780:A:ILE:HD11	1:819:A:LYS:H	20	0.31
(1,834)	1:780:A:ILE:HD12	1:819:A:LYS:H	20	0.31
(1,834)	1:780:A:ILE:HD13	1:819:A:LYS:H	20	0.31
(1,794)	1:777:A:PRO:HA	1:820:A:GLN:H	1	0.31
(1,773)	1:778:A:VAL:H	1:820:A:GLN:H	12	0.31
(1,734)	1:754:A:ASP:H	1:760:A:ASN:HA	7	0.31
(1,711)	1:793:A:HIS:H	1:793:A:HIS:HE1	10	0.31
(1,668)	1:773:A:THR:H	1:773:A:THR:HG21	2	0.31
(1,668)	1:773:A:THR:H	1:773:A:THR:HG22	2	0.31
(1,668)	1:773:A:THR:H	1:773:A:THR:HG23	2	0.31
(1,668)	1:773:A:THR:H	1:773:A:THR:HG21	12	0.31
(1,668)	1:773:A:THR:H	1:773:A:THR:HG22	12	0.31
(1,668)	1:773:A:THR:H	1:773:A:THR:HG23	12	0.31
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	19	0.31
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	19	0.31
(1,635)	1:717:A:LEU:HA	1:764:A:VAL:HA	10	0.31
(1,626)	1:825:A:LYS:HA	1:825:A:LYS:HB3	15	0.31
(1,576)	1:775:A:LYS:H	1:775:A:LYS:HG2	3	0.31
(1,556)	1:783:A:THR:HG21	1:816:A:LYS:HA	19	0.31
(1,556)	1:783:A:THR:HG22	1:816:A:LYS:HA	19	0.31
(1,556)	1:783:A:THR:HG23	1:816:A:LYS:HA	19	0.31
(1,533)	1:840:A:ILE:H	1:840:A:ILE:HG13	16	0.31
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB1	8	0.31
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB2	8	0.31
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB3	8	0.31
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	15	0.31
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	15	0.31
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	7	0.31
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	17	0.31
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	11	0.31
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	17	0.31
(1,384)	1:842:A:LYS:HA	1:842:A:LYS:HG2	18	0.31
(1,359)	1:832:A:THR:HG21	1:837:A:SER:HA	17	0.31
(1,359)	1:832:A:THR:HG22	1:837:A:SER:HA	17	0.31
(1,359)	1:832:A:THR:HG23	1:837:A:SER:HA	17	0.31
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	7	0.31
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	16	0.31
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	16	0.31
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	16	0.31
(1,351)	1:711:A:ASN:H	1:769:A:VAL:HA	18	0.31
(1,239)	1:704:A:ASN:HB2	1:741:A:ALA:HB1	8	0.31
(1,239)	1:704:A:ASN:HB2	1:741:A:ALA:HB2	8	0.31
(1,239)	1:704:A:ASN:HB2	1:741:A:ALA:HB3	8	0.31
(1,228)	1:751:A:LEU:HA	1:763:A:TRP:HA	3	0.31
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	2	0.31
(1,214)	1:793:A:HIS:HB3	1:793:A:HIS:HE1	5	0.31
(1,211)	1:752:A:VAL:H	1:764:A:VAL:HB	19	0.31
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	11	0.31
(1,164)	1:829:A:LEU:H	1:839:A:TRP:HA	8	0.31
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	11	0.31
(1,116)	1:734:A:ARG:HA	1:734:A:ARG:HD3	9	0.31
(1,116)	1:734:A:ARG:HA	1:734:A:ARG:HD3	13	0.31
(1,92)	1:710:A:ILE:HB	1:732:A:ILE:HA	8	0.31
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	1	0.31
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	1	0.31
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	1	0.31
(1,47)	1:743:A:THR:HG21	1:744:A:LEU:H	8	0.31
(1,47)	1:743:A:THR:HG22	1:744:A:LEU:H	8	0.31
(1,47)	1:743:A:THR:HG23	1:744:A:LEU:H	8	0.31
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	5	0.31
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	11	0.31
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	11	0.31
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	11	0.31
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	5	0.31
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	7	0.31
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	13	0.31
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1448)	1:825:A:LYS:HA	1:825:A:LYS:HE2	10	0.3
(1,1448)	1:825:A:LYS:HA	1:825:A:LYS:HE3	10	0.3
(1,1440)	1:820:A:GLN:HB2	1:828:A:TYR:H	3	0.3
(1,1440)	1:820:A:GLN:HB3	1:828:A:TYR:H	3	0.3
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	13	0.3
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	13	0.3
(1,1363)	1:788:A:PRO:HG2	1:811:A:GLY:H	20	0.3
(1,1363)	1:788:A:PRO:HG3	1:811:A:GLY:H	20	0.3
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG2	5	0.3
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG3	5	0.3
(1,1321)	1:778:A:VAL:HG11	1:820:A:GLN:H	8	0.3
(1,1321)	1:778:A:VAL:HG12	1:820:A:GLN:H	8	0.3
(1,1321)	1:778:A:VAL:HG13	1:820:A:GLN:H	8	0.3
(1,1321)	1:778:A:VAL:HG21	1:820:A:GLN:H	8	0.3
(1,1321)	1:778:A:VAL:HG22	1:820:A:GLN:H	8	0.3
(1,1321)	1:778:A:VAL:HG23	1:820:A:GLN:H	8	0.3
(1,1317)	1:777:A:PRO:HB2	1:820:A:GLN:H	13	0.3
(1,1317)	1:777:A:PRO:HB3	1:820:A:GLN:H	13	0.3
(1,1275)	1:753:A:GLY:HA2	1:762:A:GLY:H	20	0.3
(1,1275)	1:753:A:GLY:HA3	1:762:A:GLY:H	20	0.3
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	17	0.3
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	17	0.3
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	17	0.3
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	17	0.3
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	17	0.3
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	17	0.3
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG11	11	0.3
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG12	11	0.3
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG13	11	0.3
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG21	11	0.3
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG22	11	0.3
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG23	11	0.3
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG11	11	0.3
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG12	11	0.3
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG13	11	0.3
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG21	11	0.3
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG22	11	0.3
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG23	11	0.3
(1,1220)	1:737:A:SER:HB2	1:755:A:TYR:HB2	8	0.3
(1,1220)	1:737:A:SER:HB2	1:755:A:TYR:HB3	8	0.3
(1,1220)	1:737:A:SER:HB3	1:755:A:TYR:HB2	8	0.3
(1,1220)	1:737:A:SER:HB3	1:755:A:TYR:HB3	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	11	0.3
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	11	0.3
(1,1148)	1:713:A:LYS:HG2	1:714:A:ASN:H	9	0.3
(1,1148)	1:713:A:LYS:HG3	1:714:A:ASN:H	9	0.3
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG11	5	0.3
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG12	5	0.3
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG13	5	0.3
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG21	5	0.3
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG22	5	0.3
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG23	5	0.3
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG11	5	0.3
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG12	5	0.3
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG13	5	0.3
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG21	5	0.3
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG22	5	0.3
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG23	5	0.3
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG11	5	0.3
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG12	5	0.3
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG13	5	0.3
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG21	5	0.3
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG22	5	0.3
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG23	5	0.3
(1,1129)	1:707:A:VAL:HG11	1:774:A:ALA:HB1	1	0.3
(1,1129)	1:707:A:VAL:HG11	1:774:A:ALA:HB2	1	0.3
(1,1129)	1:707:A:VAL:HG11	1:774:A:ALA:HB3	1	0.3
(1,1129)	1:707:A:VAL:HG12	1:774:A:ALA:HB1	1	0.3
(1,1129)	1:707:A:VAL:HG12	1:774:A:ALA:HB2	1	0.3
(1,1129)	1:707:A:VAL:HG12	1:774:A:ALA:HB3	1	0.3
(1,1129)	1:707:A:VAL:HG13	1:774:A:ALA:HB1	1	0.3
(1,1129)	1:707:A:VAL:HG13	1:774:A:ALA:HB2	1	0.3
(1,1129)	1:707:A:VAL:HG13	1:774:A:ALA:HB3	1	0.3
(1,1129)	1:707:A:VAL:HG21	1:774:A:ALA:HB1	1	0.3
(1,1129)	1:707:A:VAL:HG21	1:774:A:ALA:HB2	1	0.3
(1,1129)	1:707:A:VAL:HG21	1:774:A:ALA:HB3	1	0.3
(1,1129)	1:707:A:VAL:HG22	1:774:A:ALA:HB1	1	0.3
(1,1129)	1:707:A:VAL:HG22	1:774:A:ALA:HB2	1	0.3
(1,1129)	1:707:A:VAL:HG22	1:774:A:ALA:HB3	1	0.3
(1,1129)	1:707:A:VAL:HG23	1:774:A:ALA:HB1	1	0.3
(1,1129)	1:707:A:VAL:HG23	1:774:A:ALA:HB2	1	0.3
(1,1129)	1:707:A:VAL:HG23	1:774:A:ALA:HB3	1	0.3
(1,1129)	1:707:A:VAL:HG11	1:774:A:ALA:HB1	15	0.3
(1,1129)	1:707:A:VAL:HG11	1:774:A:ALA:HB2	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1129)	1:707:A:VAL:HG11	1:774:A:ALA:HB3	15	0.3
(1,1129)	1:707:A:VAL:HG12	1:774:A:ALA:HB1	15	0.3
(1,1129)	1:707:A:VAL:HG12	1:774:A:ALA:HB2	15	0.3
(1,1129)	1:707:A:VAL:HG12	1:774:A:ALA:HB3	15	0.3
(1,1129)	1:707:A:VAL:HG13	1:774:A:ALA:HB1	15	0.3
(1,1129)	1:707:A:VAL:HG13	1:774:A:ALA:HB2	15	0.3
(1,1129)	1:707:A:VAL:HG13	1:774:A:ALA:HB3	15	0.3
(1,1129)	1:707:A:VAL:HG21	1:774:A:ALA:HB1	15	0.3
(1,1129)	1:707:A:VAL:HG21	1:774:A:ALA:HB2	15	0.3
(1,1129)	1:707:A:VAL:HG21	1:774:A:ALA:HB3	15	0.3
(1,1129)	1:707:A:VAL:HG22	1:774:A:ALA:HB1	15	0.3
(1,1129)	1:707:A:VAL:HG22	1:774:A:ALA:HB2	15	0.3
(1,1129)	1:707:A:VAL:HG22	1:774:A:ALA:HB3	15	0.3
(1,1129)	1:707:A:VAL:HG23	1:774:A:ALA:HB1	15	0.3
(1,1129)	1:707:A:VAL:HG23	1:774:A:ALA:HB2	15	0.3
(1,1129)	1:707:A:VAL:HG23	1:774:A:ALA:HB3	15	0.3
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG11	11	0.3
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG12	11	0.3
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG13	11	0.3
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG21	11	0.3
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG22	11	0.3
(1,1123)	1:707:A:VAL:HA	1:738:A:VAL:HG23	11	0.3
(1,1118)	1:706:A:GLY:HA2	1:772:A:ASN:H	11	0.3
(1,1118)	1:706:A:GLY:HA3	1:772:A:ASN:H	11	0.3
(1,1106)	1:703:A:ASN:HA	1:740:A:LYS:HG2	16	0.3
(1,1106)	1:703:A:ASN:HA	1:740:A:LYS:HG3	16	0.3
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	4	0.3
(1,1076)	1:797:A:TRP:HA	1:797:A:TRP:HD1	3	0.3
(1,1048)	1:793:A:HIS:HB2	1:793:A:HIS:HE1	8	0.3
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE1	13	0.3
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE2	13	0.3
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE1	13	0.3
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE2	13	0.3
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE1	13	0.3
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE2	13	0.3
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	13	0.3
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	13	0.3
(1,1031)	1:707:A:VAL:H	1:772:A:ASN:H	7	0.3
(1,1025)	1:818:A:THR:H	1:832:A:THR:H	1	0.3
(1,1025)	1:818:A:THR:H	1:832:A:THR:H	11	0.3
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	15	0.3
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	15	0.3
(1,1007)	1:810:A:LYS:H	1:810:A:LYS:HE2	17	0.3
(1,1001)	1:779:A:LYS:H	1:779:A:LYS:HB2	13	0.3
(1,1001)	1:779:A:LYS:H	1:779:A:LYS:HB2	14	0.3
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	18	0.3
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	18	0.3
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	18	0.3
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	2	0.3
(1,794)	1:777:A:PRO:HA	1:820:A:GLN:H	4	0.3
(1,793)	1:782:A:GLN:H	1:817:A:ALA:H	14	0.3
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG21	5	0.3
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG22	5	0.3
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG23	5	0.3
(1,731)	1:714:A:ASN:HA	1:716:A:GLY:H	16	0.3
(1,730)	1:744:A:LEU:H	1:747:A:LYS:H	13	0.3
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	14	0.3
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	16	0.3
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	16	0.3
(1,635)	1:717:A:LEU:HA	1:764:A:VAL:HA	15	0.3
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	11	0.3
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	18	0.3
(1,576)	1:775:A:LYS:H	1:775:A:LYS:HG2	19	0.3
(1,572)	1:700:A:THR:H	1:743:A:THR:HB	10	0.3
(1,550)	1:814:A:THR:HG21	1:815:A:PHE:H	14	0.3
(1,550)	1:814:A:THR:HG22	1:815:A:PHE:H	14	0.3
(1,550)	1:814:A:THR:HG23	1:815:A:PHE:H	14	0.3
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	9	0.3
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	15	0.3
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB1	14	0.3
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB2	14	0.3
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB3	14	0.3
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB1	7	0.3
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB2	7	0.3
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB3	7	0.3
(1,502)	1:842:A:LYS:HA	1:842:A:LYS:HG3	12	0.3
(1,495)	1:779:A:LYS:HA	1:819:A:LYS:HA	8	0.3
(1,464)	1:712:A:ALA:H	1:732:A:ILE:HB	3	0.3
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	2	0.3
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	9	0.3
(1,425)	1:734:A:ARG:HA	1:734:A:ARG:HG2	6	0.3
(1,399)	1:779:A:LYS:H	1:779:A:LYS:HB3	8	0.3
(1,399)	1:779:A:LYS:H	1:779:A:LYS:HB3	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	16	0.3
(1,386)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	17	0.3
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	5	0.3
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	8	0.3
(1,276)	1:775:A:LYS:HA	1:775:A:LYS:HG3	13	0.3
(1,214)	1:793:A:HIS:HB3	1:793:A:HIS:HE1	20	0.3
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	16	0.3
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	12	0.3
(1,177)	1:709:A:GLN:HB2	1:709:A:GLN:HG2	12	0.3
(1,155)	1:810:A:LYS:HA	1:810:A:LYS:HE3	16	0.3
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	19	0.3
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	8	0.3
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	6	0.3
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	14	0.3
(1,1466)	1:836:A:LYS:HB2	1:836:A:LYS:HD2	14	0.29
(1,1466)	1:836:A:LYS:HB2	1:836:A:LYS:HD3	14	0.29
(1,1466)	1:836:A:LYS:HB3	1:836:A:LYS:HD2	14	0.29
(1,1466)	1:836:A:LYS:HB3	1:836:A:LYS:HD3	14	0.29
(1,1463)	1:834:A:ASN:HB2	1:836:A:LYS:H	18	0.29
(1,1463)	1:834:A:ASN:HB3	1:836:A:LYS:H	18	0.29
(1,1448)	1:825:A:LYS:HA	1:825:A:LYS:HE2	7	0.29
(1,1448)	1:825:A:LYS:HA	1:825:A:LYS:HE3	7	0.29
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG21	13	0.29
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG22	13	0.29
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG23	13	0.29
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG21	13	0.29
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG22	13	0.29
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG23	13	0.29
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB2	8	0.29
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB3	8	0.29
(1,1420)	1:810:A:LYS:HG2	1:811:A:GLY:H	9	0.29
(1,1420)	1:810:A:LYS:HG3	1:811:A:GLY:H	9	0.29
(1,1420)	1:810:A:LYS:HG2	1:811:A:GLY:H	12	0.29
(1,1420)	1:810:A:LYS:HG3	1:811:A:GLY:H	12	0.29
(1,1397)	1:794:A:THR:H	1:802:A:GLN:HG2	4	0.29
(1,1397)	1:794:A:THR:H	1:802:A:GLN:HG3	4	0.29
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG11	19	0.29
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG12	19	0.29
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG13	19	0.29
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG21	19	0.29
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG22	19	0.29
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG23	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG21	16	0.29
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG22	16	0.29
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG23	16	0.29
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG21	16	0.29
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG22	16	0.29
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG23	16	0.29
(1,1363)	1:788:A:PRO:HG2	1:811:A:GLY:H	19	0.29
(1,1363)	1:788:A:PRO:HG3	1:811:A:GLY:H	19	0.29
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	4	0.29
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	4	0.29
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	19	0.29
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	19	0.29
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB2	13	0.29
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB3	13	0.29
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB2	13	0.29
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB3	13	0.29
(1,1339)	1:784:A:TYR:HB2	1:846:A:THR:H	11	0.29
(1,1339)	1:784:A:TYR:HB3	1:846:A:THR:H	11	0.29
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB2	16	0.29
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB3	16	0.29
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	17	0.29
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	17	0.29
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	17	0.29
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	17	0.29
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	17	0.29
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	17	0.29
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG2	15	0.29
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG3	15	0.29
(1,1313)	1:775:A:LYS:HB2	1:822:A:GLN:H	1	0.29
(1,1313)	1:775:A:LYS:HB3	1:822:A:GLN:H	1	0.29
(1,1312)	1:775:A:LYS:HB2	1:776:A:SER:H	7	0.29
(1,1312)	1:775:A:LYS:HB3	1:776:A:SER:H	7	0.29
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	9	0.29
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	9	0.29
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	9	0.29
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	9	0.29
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	9	0.29
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	9	0.29
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD11	4	0.29
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD12	4	0.29
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD13	4	0.29
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD21	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD22	4	0.29
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD23	4	0.29
(1,1232)	1:739:A:THR:H	1:751:A:LEU:HB2	3	0.29
(1,1232)	1:739:A:THR:H	1:751:A:LEU:HB3	3	0.29
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG11	15	0.29
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG12	15	0.29
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG13	15	0.29
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG21	15	0.29
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG22	15	0.29
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG23	15	0.29
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG11	15	0.29
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG12	15	0.29
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG13	15	0.29
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG21	15	0.29
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG22	15	0.29
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG23	15	0.29
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG11	15	0.29
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG12	15	0.29
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG13	15	0.29
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG21	15	0.29
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG22	15	0.29
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG23	15	0.29
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB1	3	0.29
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB2	3	0.29
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB3	3	0.29
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB1	3	0.29
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB2	3	0.29
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB3	3	0.29
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB1	3	0.29
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB2	3	0.29
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB3	3	0.29
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB1	3	0.29
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB2	3	0.29
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB3	3	0.29
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB1	3	0.29
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB2	3	0.29
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB3	3	0.29
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB1	3	0.29
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB2	3	0.29
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB3	3	0.29
(1,1075)	1:797:A:TRP:H	1:797:A:TRP:HD1	11	0.29
(1,1075)	1:797:A:TRP:H	1:797:A:TRP:HD1	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1056)	1:750:A:TYR:HA	1:750:A:TYR:HD1	6	0.29
(1,1056)	1:750:A:TYR:HA	1:750:A:TYR:HD2	6	0.29
(1,1038)	1:793:A:HIS:HA	1:793:A:HIS:HD2	8	0.29
(1,1038)	1:793:A:HIS:HA	1:793:A:HIS:HD2	13	0.29
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	5	0.29
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	5	0.29
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	5	0.29
(1,997)	1:753:A:GLY:HA3	1:761:A:TYR:H	1	0.29
(1,979)	1:699:A:LEU:HA	1:743:A:THR:H	8	0.29
(1,936)	1:709:A:GLN:HA	1:734:A:ARG:H	11	0.29
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE1	8	0.29
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE2	8	0.29
(1,793)	1:782:A:GLN:H	1:817:A:ALA:H	16	0.29
(1,793)	1:782:A:GLN:H	1:817:A:ALA:H	20	0.29
(1,788)	1:781:A:ASN:HA	1:782:A:GLN:H	13	0.29
(1,773)	1:778:A:VAL:H	1:820:A:GLN:H	2	0.29
(1,731)	1:714:A:ASN:HA	1:716:A:GLY:H	15	0.29
(1,626)	1:825:A:LYS:HA	1:825:A:LYS:HB3	3	0.29
(1,626)	1:825:A:LYS:HA	1:825:A:LYS:HB3	5	0.29
(1,626)	1:825:A:LYS:HA	1:825:A:LYS:HB3	6	0.29
(1,626)	1:825:A:LYS:HA	1:825:A:LYS:HB3	14	0.29
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	3	0.29
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	13	0.29
(1,608)	1:816:A:LYS:HA	1:816:A:LYS:HG3	19	0.29
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD21	3	0.29
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD22	3	0.29
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD23	3	0.29
(1,533)	1:840:A:ILE:H	1:840:A:ILE:HG13	1	0.29
(1,533)	1:840:A:ILE:H	1:840:A:ILE:HG13	3	0.29
(1,533)	1:840:A:ILE:H	1:840:A:ILE:HG13	12	0.29
(1,494)	1:746:A:ASP:HA	1:746:A:ASP:HB2	9	0.29
(1,494)	1:746:A:ASP:HA	1:746:A:ASP:HB2	19	0.29
(1,492)	1:727:A:LYS:HB3	1:727:A:LYS:HD3	11	0.29
(1,486)	1:725:A:LYS:HA	1:725:A:LYS:HG3	13	0.29
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	6	0.29
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	9	0.29
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	10	0.29
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	15	0.29
(1,386)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	9	0.29
(1,380)	1:825:A:LYS:HA	1:825:A:LYS:HB2	9	0.29
(1,380)	1:825:A:LYS:HA	1:825:A:LYS:HB2	13	0.29
(1,380)	1:825:A:LYS:HA	1:825:A:LYS:HB2	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	12	0.29
(1,328)	1:777:A:PRO:HA	1:821:A:GLN:HA	18	0.29
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	10	0.29
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	16	0.29
(1,276)	1:775:A:LYS:HA	1:775:A:LYS:HG3	5	0.29
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	10	0.29
(1,255)	1:713:A:LYS:HA	1:714:A:ASN:H	2	0.29
(1,255)	1:713:A:LYS:HA	1:714:A:ASN:H	10	0.29
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	10	0.29
(1,218)	1:749:A:PHE:HA	1:749:A:PHE:HE2	11	0.29
(1,209)	1:746:A:ASP:HA	1:746:A:ASP:HB3	1	0.29
(1,209)	1:746:A:ASP:HA	1:746:A:ASP:HB3	14	0.29
(1,209)	1:746:A:ASP:HA	1:746:A:ASP:HB3	15	0.29
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	4	0.29
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	15	0.29
(1,184)	1:708:A:ALA:HB1	1:769:A:VAL:HB	14	0.29
(1,184)	1:708:A:ALA:HB2	1:769:A:VAL:HB	14	0.29
(1,184)	1:708:A:ALA:HB3	1:769:A:VAL:HB	14	0.29
(1,163)	1:775:A:LYS:HA	1:775:A:LYS:HG2	12	0.29
(1,133)	1:832:A:THR:HG21	1:836:A:LYS:H	10	0.29
(1,133)	1:832:A:THR:HG22	1:836:A:LYS:H	10	0.29
(1,133)	1:832:A:THR:HG23	1:836:A:LYS:H	10	0.29
(1,92)	1:710:A:ILE:HB	1:732:A:ILE:HA	1	0.29
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	3	0.29
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	16	0.29
(1,47)	1:743:A:THR:HG21	1:744:A:LEU:H	1	0.29
(1,47)	1:743:A:THR:HG22	1:744:A:LEU:H	1	0.29
(1,47)	1:743:A:THR:HG23	1:744:A:LEU:H	1	0.29
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	19	0.29
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	11	0.29
(1,11)	1:785:A:ASN:H	1:847:A:ALA:HA	18	0.29
(1,4)	1:709:A:GLN:HB3	1:709:A:GLN:HG3	12	0.29
(1,1464)	1:836:A:LYS:H	1:836:A:LYS:HD2	5	0.28
(1,1464)	1:836:A:LYS:H	1:836:A:LYS:HD3	5	0.28
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	9	0.28
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	9	0.28
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB2	6	0.28
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB3	6	0.28
(1,1384)	1:792:A:LEU:HB2	1:805:A:GLY:HA2	2	0.28
(1,1384)	1:792:A:LEU:HB2	1:805:A:GLY:HA3	2	0.28
(1,1384)	1:792:A:LEU:HB3	1:805:A:GLY:HA2	2	0.28
(1,1384)	1:792:A:LEU:HB3	1:805:A:GLY:HA3	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:784:A:TYR:HB2	1:846:A:THR:H	19	0.28
(1,1339)	1:784:A:TYR:HB3	1:846:A:THR:H	19	0.28
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB2	5	0.28
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB3	5	0.28
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	9	0.28
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	9	0.28
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	9	0.28
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	9	0.28
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	9	0.28
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	9	0.28
(1,1330)	1:782:A:GLN:HB2	1:783:A:THR:H	11	0.28
(1,1330)	1:782:A:GLN:HB3	1:783:A:THR:H	11	0.28
(1,1321)	1:778:A:VAL:HG11	1:820:A:GLN:H	19	0.28
(1,1321)	1:778:A:VAL:HG12	1:820:A:GLN:H	19	0.28
(1,1321)	1:778:A:VAL:HG13	1:820:A:GLN:H	19	0.28
(1,1321)	1:778:A:VAL:HG21	1:820:A:GLN:H	19	0.28
(1,1321)	1:778:A:VAL:HG22	1:820:A:GLN:H	19	0.28
(1,1321)	1:778:A:VAL:HG23	1:820:A:GLN:H	19	0.28
(1,1312)	1:775:A:LYS:HB2	1:776:A:SER:H	16	0.28
(1,1312)	1:775:A:LYS:HB3	1:776:A:SER:H	16	0.28
(1,1299)	1:765:A:LYS:HG2	1:768:A:GLU:H	1	0.28
(1,1299)	1:765:A:LYS:HG3	1:768:A:GLU:H	1	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	11	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	11	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	11	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	11	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	11	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	11	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	13	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	13	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	13	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	13	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	13	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	13	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	15	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	15	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	15	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	15	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	15	0.28
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	15	0.28
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE2	1	0.28
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE3	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE2	1	0.28
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE3	1	0.28
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE2	5	0.28
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE3	5	0.28
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE2	5	0.28
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE3	5	0.28
(1,1112)	1:704:A:ASN:HB2	1:740:A:LYS:HA	5	0.28
(1,1112)	1:704:A:ASN:HB3	1:740:A:LYS:HA	5	0.28
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD11	2	0.28
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD12	2	0.28
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD13	2	0.28
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD21	2	0.28
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD22	2	0.28
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD23	2	0.28
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD11	2	0.28
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD12	2	0.28
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD13	2	0.28
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD21	2	0.28
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD22	2	0.28
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD23	2	0.28
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD11	2	0.28
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD12	2	0.28
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD13	2	0.28
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD21	2	0.28
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD22	2	0.28
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD23	2	0.28
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD11	2	0.28
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD12	2	0.28
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD13	2	0.28
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD21	2	0.28
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD22	2	0.28
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD23	2	0.28
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD11	2	0.28
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD12	2	0.28
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD13	2	0.28
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD21	2	0.28
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD22	2	0.28
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD23	2	0.28
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD11	2	0.28
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD12	2	0.28
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD13	2	0.28
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD21	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD22	2	0.28
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD23	2	0.28
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE1	12	0.28
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE2	12	0.28
(1,1076)	1:797:A:TRP:HA	1:797:A:TRP:HD1	11	0.28
(1,1075)	1:797:A:TRP:H	1:797:A:TRP:HD1	16	0.28
(1,1048)	1:793:A:HIS:HB2	1:793:A:HIS:HE1	4	0.28
(1,1048)	1:793:A:HIS:HB2	1:793:A:HIS:HE1	16	0.28
(1,1038)	1:793:A:HIS:HA	1:793:A:HIS:HD2	1	0.28
(1,1025)	1:818:A:THR:H	1:832:A:THR:H	3	0.28
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	10	0.28
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	10	0.28
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	10	0.28
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	14	0.28
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	14	0.28
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	14	0.28
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	20	0.28
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	20	0.28
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	20	0.28
(1,981)	1:709:A:GLN:H	1:770:A:ILE:H	7	0.28
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	10	0.28
(1,941)	1:786:A:VAL:HA	1:846:A:THR:H	4	0.28
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE1	5	0.28
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE2	5	0.28
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	2	0.28
(1,833)	1:707:A:VAL:H	1:707:A:VAL:HG11	18	0.28
(1,833)	1:707:A:VAL:H	1:707:A:VAL:HG12	18	0.28
(1,833)	1:707:A:VAL:H	1:707:A:VAL:HG13	18	0.28
(1,809)	1:830:A:TYR:HA	1:840:A:ILE:H	6	0.28
(1,793)	1:782:A:GLN:H	1:817:A:ALA:H	18	0.28
(1,788)	1:781:A:ASN:HA	1:782:A:GLN:H	3	0.28
(1,705)	1:827:A:THR:HB	1:842:A:LYS:H	17	0.28
(1,626)	1:825:A:LYS:HA	1:825:A:LYS:HB3	1	0.28
(1,626)	1:825:A:LYS:HA	1:825:A:LYS:HB3	4	0.28
(1,626)	1:825:A:LYS:HA	1:825:A:LYS:HB3	10	0.28
(1,626)	1:825:A:LYS:HA	1:825:A:LYS:HB3	11	0.28
(1,626)	1:825:A:LYS:HA	1:825:A:LYS:HB3	12	0.28
(1,626)	1:825:A:LYS:HA	1:825:A:LYS:HB3	16	0.28
(1,626)	1:825:A:LYS:HA	1:825:A:LYS:HB3	18	0.28
(1,550)	1:814:A:THR:HG21	1:815:A:PHE:H	2	0.28
(1,550)	1:814:A:THR:HG22	1:815:A:PHE:H	2	0.28
(1,550)	1:814:A:THR:HG23	1:815:A:PHE:H	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,550)	1:814:A:THR:HG21	1:815:A:PHE:H	4	0.28
(1,550)	1:814:A:THR:HG22	1:815:A:PHE:H	4	0.28
(1,550)	1:814:A:THR:HG23	1:815:A:PHE:H	4	0.28
(1,545)	1:731:A:GLN:HA	1:731:A:GLN:HG2	11	0.28
(1,533)	1:840:A:ILE:H	1:840:A:ILE:HG13	7	0.28
(1,533)	1:840:A:ILE:H	1:840:A:ILE:HG13	10	0.28
(1,508)	1:832:A:THR:HA	1:838:A:GLY:H	6	0.28
(1,502)	1:842:A:LYS:HA	1:842:A:LYS:HG3	3	0.28
(1,495)	1:779:A:LYS:HA	1:819:A:LYS:HA	11	0.28
(1,494)	1:746:A:ASP:HA	1:746:A:ASP:HB2	4	0.28
(1,494)	1:746:A:ASP:HA	1:746:A:ASP:HB2	10	0.28
(1,494)	1:746:A:ASP:HA	1:746:A:ASP:HB2	11	0.28
(1,494)	1:746:A:ASP:HA	1:746:A:ASP:HB2	16	0.28
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	3	0.28
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	3	0.28
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	3	0.28
(1,486)	1:725:A:LYS:HA	1:725:A:LYS:HG3	7	0.28
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	5	0.28
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	5	0.28
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	20	0.28
(1,424)	1:708:A:ALA:HA	1:771:A:TYR:HA	13	0.28
(1,418)	1:716:A:GLY:HA2	1:728:A:THR:HA	9	0.28
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	3	0.28
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	4	0.28
(1,384)	1:842:A:LYS:HA	1:842:A:LYS:HG2	1	0.28
(1,380)	1:825:A:LYS:HA	1:825:A:LYS:HB2	8	0.28
(1,380)	1:825:A:LYS:HA	1:825:A:LYS:HB2	17	0.28
(1,370)	1:765:A:LYS:H	1:765:A:LYS:HE3	16	0.28
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB1	16	0.28
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB2	16	0.28
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB3	16	0.28
(1,286)	1:795:A:VAL:HA	1:839:A:TRP:HD1	7	0.28
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	20	0.28
(1,265)	1:734:A:ARG:HA	1:734:A:ARG:HD2	10	0.28
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	14	0.28
(1,252)	1:713:A:LYS:HA	1:713:A:LYS:HG2	18	0.28
(1,209)	1:746:A:ASP:HA	1:746:A:ASP:HB3	12	0.28
(1,209)	1:746:A:ASP:HA	1:746:A:ASP:HB3	17	0.28
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	7	0.28
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	20	0.28
(1,162)	1:822:A:GLN:HA	1:822:A:GLN:HG3	16	0.28
(1,112)	1:723:A:ASP:H	1:723:A:ASP:HB2	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:780:A:ILE:H	1:780:A:ILE:HG13	16	0.28
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	9	0.28
(1,47)	1:743:A:THR:HG21	1:744:A:LEU:H	12	0.28
(1,47)	1:743:A:THR:HG22	1:744:A:LEU:H	12	0.28
(1,47)	1:743:A:THR:HG23	1:744:A:LEU:H	12	0.28
(1,47)	1:743:A:THR:HG21	1:744:A:LEU:H	14	0.28
(1,47)	1:743:A:THR:HG22	1:744:A:LEU:H	14	0.28
(1,47)	1:743:A:THR:HG23	1:744:A:LEU:H	14	0.28
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	7	0.28
(1,13)	1:847:A:ALA:H	1:847:A:ALA:HA	10	0.28
(1,1426)	1:816:A:LYS:H	1:816:A:LYS:HE2	7	0.27
(1,1426)	1:816:A:LYS:H	1:816:A:LYS:HE3	7	0.27
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	1	0.27
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	1	0.27
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB2	7	0.27
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB3	7	0.27
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB2	7	0.27
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB3	7	0.27
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB2	18	0.27
(1,1344)	1:785:A:ASN:HB2	1:812:A:ASP:HB3	18	0.27
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB2	18	0.27
(1,1344)	1:785:A:ASN:HB3	1:812:A:ASP:HB3	18	0.27
(1,1330)	1:782:A:GLN:HB2	1:783:A:THR:H	6	0.27
(1,1330)	1:782:A:GLN:HB3	1:783:A:THR:H	6	0.27
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG2	1	0.27
(1,1322)	1:778:A:VAL:HG11	1:820:A:GLN:HG3	1	0.27
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG2	1	0.27
(1,1322)	1:778:A:VAL:HG12	1:820:A:GLN:HG3	1	0.27
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG2	1	0.27
(1,1322)	1:778:A:VAL:HG13	1:820:A:GLN:HG3	1	0.27
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG2	1	0.27
(1,1322)	1:778:A:VAL:HG21	1:820:A:GLN:HG3	1	0.27
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG2	1	0.27
(1,1322)	1:778:A:VAL:HG22	1:820:A:GLN:HG3	1	0.27
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG2	1	0.27
(1,1322)	1:778:A:VAL:HG23	1:820:A:GLN:HG3	1	0.27
(1,1321)	1:778:A:VAL:HG11	1:820:A:GLN:H	4	0.27
(1,1321)	1:778:A:VAL:HG12	1:820:A:GLN:H	4	0.27
(1,1321)	1:778:A:VAL:HG13	1:820:A:GLN:H	4	0.27
(1,1321)	1:778:A:VAL:HG21	1:820:A:GLN:H	4	0.27
(1,1321)	1:778:A:VAL:HG22	1:820:A:GLN:H	4	0.27
(1,1321)	1:778:A:VAL:HG23	1:820:A:GLN:H	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG21	17	0.27
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG22	17	0.27
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG23	17	0.27
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG21	17	0.27
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG22	17	0.27
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG23	17	0.27
(1,1303)	1:767:A:ASP:HB2	1:769:A:VAL:H	18	0.27
(1,1303)	1:767:A:ASP:HB3	1:769:A:VAL:H	18	0.27
(1,1275)	1:753:A:GLY:HA2	1:762:A:GLY:H	2	0.27
(1,1275)	1:753:A:GLY:HA3	1:762:A:GLY:H	2	0.27
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD11	11	0.27
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD12	11	0.27
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD13	11	0.27
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD21	11	0.27
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD22	11	0.27
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD23	11	0.27
(1,1238)	1:742:A:ALA:HB1	1:749:A:PHE:HB2	19	0.27
(1,1238)	1:742:A:ALA:HB1	1:749:A:PHE:HB3	19	0.27
(1,1238)	1:742:A:ALA:HB2	1:749:A:PHE:HB2	19	0.27
(1,1238)	1:742:A:ALA:HB2	1:749:A:PHE:HB3	19	0.27
(1,1238)	1:742:A:ALA:HB3	1:749:A:PHE:HB2	19	0.27
(1,1238)	1:742:A:ALA:HB3	1:749:A:PHE:HB3	19	0.27
(1,1202)	1:725:A:LYS:HG2	1:726:A:GLY:H	19	0.27
(1,1202)	1:725:A:LYS:HG3	1:726:A:GLY:H	19	0.27
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE2	8	0.27
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE3	8	0.27
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE2	8	0.27
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE3	8	0.27
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG2	14	0.27
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG3	14	0.27
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG2	14	0.27
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG3	14	0.27
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG2	14	0.27
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG3	14	0.27
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB2	13	0.27
(1,1149)	1:714:A:ASN:HA	1:768:A:GLU:HB3	13	0.27
(1,1139)	1:709:A:GLN:HG2	1:770:A:ILE:HB	7	0.27
(1,1139)	1:709:A:GLN:HG3	1:770:A:ILE:HB	7	0.27
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG11	20	0.27
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG12	20	0.27
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG13	20	0.27
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG21	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG22	20	0.27
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG23	20	0.27
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG11	20	0.27
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG12	20	0.27
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG13	20	0.27
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG21	20	0.27
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG22	20	0.27
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG23	20	0.27
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG11	20	0.27
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG12	20	0.27
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG13	20	0.27
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG21	20	0.27
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG22	20	0.27
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG23	20	0.27
(1,1106)	1:703:A:ASN:HA	1:740:A:LYS:HG2	13	0.27
(1,1106)	1:703:A:ASN:HA	1:740:A:LYS:HG3	13	0.27
(1,1087)	1:697:A:ASN:HB2	1:744:A:LEU:HG	13	0.27
(1,1087)	1:697:A:ASN:HB3	1:744:A:LEU:HG	13	0.27
(1,1075)	1:797:A:TRP:H	1:797:A:TRP:HD1	20	0.27
(1,1048)	1:793:A:HIS:HB2	1:793:A:HIS:HE1	2	0.27
(1,1048)	1:793:A:HIS:HB2	1:793:A:HIS:HE1	7	0.27
(1,1048)	1:793:A:HIS:HB2	1:793:A:HIS:HE1	14	0.27
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	2	0.27
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	2	0.27
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	11	0.27
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	11	0.27
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	11	0.27
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	17	0.27
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	17	0.27
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	17	0.27
(1,936)	1:709:A:GLN:HA	1:734:A:ARG:H	2	0.27
(1,914)	1:795:A:VAL:H	1:798:A:GLY:H	19	0.27
(1,858)	1:822:A:GLN:HA	1:828:A:TYR:H	19	0.27
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	14	0.27
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	15	0.27
(1,793)	1:782:A:GLN:H	1:817:A:ALA:H	4	0.27
(1,788)	1:781:A:ASN:HA	1:782:A:GLN:H	11	0.27
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	17	0.27
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	17	0.27
(1,642)	1:796:A:PRO:HA	1:828:A:TYR:HB3	8	0.27
(1,615)	1:725:A:LYS:HA	1:726:A:GLY:H	8	0.27
(1,589)	1:749:A:PHE:HA	1:765:A:LYS:HA	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	15	0.27
(1,533)	1:840:A:ILE:H	1:840:A:ILE:HG13	13	0.27
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB1	20	0.27
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB2	20	0.27
(1,524)	1:794:A:THR:HA	1:804:A:ALA:HB3	20	0.27
(1,492)	1:727:A:LYS:HB3	1:727:A:LYS:HD3	6	0.27
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	6	0.27
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	6	0.27
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	6	0.27
(1,480)	1:816:A:LYS:H	1:833:A:VAL:HA	11	0.27
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	8	0.27
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	8	0.27
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	12	0.27
(1,411)	1:713:A:LYS:H	1:713:A:LYS:HE3	11	0.27
(1,399)	1:779:A:LYS:H	1:779:A:LYS:HB3	11	0.27
(1,380)	1:825:A:LYS:HA	1:825:A:LYS:HB2	2	0.27
(1,380)	1:825:A:LYS:HA	1:825:A:LYS:HB2	20	0.27
(1,379)	1:825:A:LYS:HB2	1:825:A:LYS:HD3	12	0.27
(1,379)	1:825:A:LYS:HB2	1:825:A:LYS:HD3	15	0.27
(1,252)	1:713:A:LYS:HA	1:713:A:LYS:HG2	1	0.27
(1,239)	1:704:A:ASN:HB2	1:741:A:ALA:HB1	19	0.27
(1,239)	1:704:A:ASN:HB2	1:741:A:ALA:HB2	19	0.27
(1,239)	1:704:A:ASN:HB2	1:741:A:ALA:HB3	19	0.27
(1,229)	1:705:A:SER:HA	1:739:A:THR:HA	15	0.27
(1,226)	1:736:A:LEU:HA	1:753:A:GLY:H	11	0.27
(1,209)	1:746:A:ASP:HA	1:746:A:ASP:HB3	20	0.27
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	1	0.27
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	2	0.27
(1,206)	1:713:A:LYS:HA	1:713:A:LYS:HE2	1	0.27
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	9	0.27
(1,196)	1:710:A:ILE:HA	1:770:A:ILE:H	20	0.27
(1,177)	1:709:A:GLN:HB2	1:709:A:GLN:HG2	1	0.27
(1,177)	1:709:A:GLN:HB2	1:709:A:GLN:HG2	19	0.27
(1,162)	1:822:A:GLN:HA	1:822:A:GLN:HG3	7	0.27
(1,162)	1:822:A:GLN:HA	1:822:A:GLN:HG3	17	0.27
(1,115)	1:836:A:LYS:H	1:836:A:LYS:HG3	5	0.27
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	2	0.27
(1,59)	1:705:A:SER:HA	1:738:A:VAL:H	18	0.27
(1,47)	1:743:A:THR:HG21	1:744:A:LEU:H	10	0.27
(1,47)	1:743:A:THR:HG22	1:744:A:LEU:H	10	0.27
(1,47)	1:743:A:THR:HG23	1:744:A:LEU:H	10	0.27
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:781:A:ASN:HA	1:781:A:ASN:HB2	3	0.27
(1,4)	1:709:A:GLN:HB3	1:709:A:GLN:HG3	1	0.27
(1,1467)	1:836:A:LYS:HB2	1:837:A:SER:H	20	0.26
(1,1467)	1:836:A:LYS:HB3	1:837:A:SER:H	20	0.26
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG11	19	0.26
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG12	19	0.26
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG13	19	0.26
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG21	19	0.26
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG22	19	0.26
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG23	19	0.26
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG11	19	0.26
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG12	19	0.26
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG13	19	0.26
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG21	19	0.26
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG22	19	0.26
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG23	19	0.26
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA2	4	0.26
(1,1398)	1:794:A:THR:HA	1:838:A:GLY:HA3	4	0.26
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG11	7	0.26
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG12	7	0.26
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG13	7	0.26
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG21	7	0.26
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG22	7	0.26
(1,1352)	1:786:A:VAL:HG11	1:790:A:VAL:HG23	7	0.26
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG11	7	0.26
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG12	7	0.26
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG13	7	0.26
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG21	7	0.26
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG22	7	0.26
(1,1352)	1:786:A:VAL:HG12	1:790:A:VAL:HG23	7	0.26
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG11	7	0.26
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG12	7	0.26
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG13	7	0.26
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG21	7	0.26
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG22	7	0.26
(1,1352)	1:786:A:VAL:HG13	1:790:A:VAL:HG23	7	0.26
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG11	7	0.26
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG12	7	0.26
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG13	7	0.26
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG21	7	0.26
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG22	7	0.26
(1,1352)	1:786:A:VAL:HG21	1:790:A:VAL:HG23	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG11	7	0.26
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG12	7	0.26
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG13	7	0.26
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG21	7	0.26
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG22	7	0.26
(1,1352)	1:786:A:VAL:HG22	1:790:A:VAL:HG23	7	0.26
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG11	7	0.26
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG12	7	0.26
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG13	7	0.26
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG21	7	0.26
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG22	7	0.26
(1,1352)	1:786:A:VAL:HG23	1:790:A:VAL:HG23	7	0.26
(1,1351)	1:786:A:VAL:HG11	1:790:A:VAL:HB	9	0.26
(1,1351)	1:786:A:VAL:HG12	1:790:A:VAL:HB	9	0.26
(1,1351)	1:786:A:VAL:HG13	1:790:A:VAL:HB	9	0.26
(1,1351)	1:786:A:VAL:HG21	1:790:A:VAL:HB	9	0.26
(1,1351)	1:786:A:VAL:HG22	1:790:A:VAL:HB	9	0.26
(1,1351)	1:786:A:VAL:HG23	1:790:A:VAL:HB	9	0.26
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB2	19	0.26
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB3	19	0.26
(1,1321)	1:778:A:VAL:HG11	1:820:A:GLN:H	10	0.26
(1,1321)	1:778:A:VAL:HG12	1:820:A:GLN:H	10	0.26
(1,1321)	1:778:A:VAL:HG13	1:820:A:GLN:H	10	0.26
(1,1321)	1:778:A:VAL:HG21	1:820:A:GLN:H	10	0.26
(1,1321)	1:778:A:VAL:HG22	1:820:A:GLN:H	10	0.26
(1,1321)	1:778:A:VAL:HG23	1:820:A:GLN:H	10	0.26
(1,1321)	1:778:A:VAL:HG11	1:820:A:GLN:H	20	0.26
(1,1321)	1:778:A:VAL:HG12	1:820:A:GLN:H	20	0.26
(1,1321)	1:778:A:VAL:HG13	1:820:A:GLN:H	20	0.26
(1,1321)	1:778:A:VAL:HG21	1:820:A:GLN:H	20	0.26
(1,1321)	1:778:A:VAL:HG22	1:820:A:GLN:H	20	0.26
(1,1321)	1:778:A:VAL:HG23	1:820:A:GLN:H	20	0.26
(1,1299)	1:765:A:LYS:HG2	1:768:A:GLU:H	15	0.26
(1,1299)	1:765:A:LYS:HG3	1:768:A:GLU:H	15	0.26
(1,1275)	1:753:A:GLY:HA2	1:762:A:GLY:H	14	0.26
(1,1275)	1:753:A:GLY:HA3	1:762:A:GLY:H	14	0.26
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	10	0.26
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	10	0.26
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	10	0.26
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	10	0.26
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	10	0.26
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	14	0.26
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	14	0.26
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	14	0.26
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	14	0.26
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	14	0.26
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	14	0.26
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	18	0.26
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	18	0.26
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	18	0.26
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	18	0.26
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	18	0.26
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	18	0.26
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG11	7	0.26
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG12	7	0.26
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG13	7	0.26
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG21	7	0.26
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG22	7	0.26
(1,1263)	1:750:A:TYR:HD1	1:769:A:VAL:HG23	7	0.26
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG11	7	0.26
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG12	7	0.26
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG13	7	0.26
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG21	7	0.26
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG22	7	0.26
(1,1263)	1:750:A:TYR:HD2	1:769:A:VAL:HG23	7	0.26
(1,1238)	1:742:A:ALA:HB1	1:749:A:PHE:HB2	1	0.26
(1,1238)	1:742:A:ALA:HB1	1:749:A:PHE:HB3	1	0.26
(1,1238)	1:742:A:ALA:HB2	1:749:A:PHE:HB2	1	0.26
(1,1238)	1:742:A:ALA:HB2	1:749:A:PHE:HB3	1	0.26
(1,1238)	1:742:A:ALA:HB3	1:749:A:PHE:HB2	1	0.26
(1,1238)	1:742:A:ALA:HB3	1:749:A:PHE:HB3	1	0.26
(1,1202)	1:725:A:LYS:HG2	1:726:A:GLY:H	2	0.26
(1,1202)	1:725:A:LYS:HG3	1:726:A:GLY:H	2	0.26
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE2	4	0.26
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE3	4	0.26
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE2	4	0.26
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE3	4	0.26
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE2	7	0.26
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE3	7	0.26
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE2	7	0.26
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE3	7	0.26
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE2	14	0.26
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE3	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE2	14	0.26
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE3	14	0.26
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE2	19	0.26
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE3	19	0.26
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE2	19	0.26
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE3	19	0.26
(1,1119)	1:706:A:GLY:HA2	1:773:A:THR:HA	6	0.26
(1,1119)	1:706:A:GLY:HA3	1:773:A:THR:HA	6	0.26
(1,1086)	1:784:A:TYR:H	1:784:A:TYR:HE1	9	0.26
(1,1086)	1:784:A:TYR:H	1:784:A:TYR:HE2	9	0.26
(1,1086)	1:784:A:TYR:H	1:784:A:TYR:HE1	10	0.26
(1,1086)	1:784:A:TYR:H	1:784:A:TYR:HE2	10	0.26
(1,1079)	1:794:A:THR:HA	1:839:A:TRP:HD1	13	0.26
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	8	0.26
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	18	0.26
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	16	0.26
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	16	0.26
(1,1025)	1:818:A:THR:H	1:832:A:THR:H	18	0.26
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	2	0.26
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	2	0.26
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	2	0.26
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	4	0.26
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	4	0.26
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	4	0.26
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	12	0.26
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	12	0.26
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	12	0.26
(1,1001)	1:779:A:LYS:H	1:779:A:LYS:HB2	2	0.26
(1,1001)	1:779:A:LYS:H	1:779:A:LYS:HB2	3	0.26
(1,976)	1:702:A:THR:H	1:743:A:THR:H	6	0.26
(1,969)	1:748:A:LYS:H	1:748:A:LYS:HG3	12	0.26
(1,929)	1:709:A:GLN:H	1:769:A:VAL:HB	13	0.26
(1,923)	1:780:A:ILE:H	1:818:A:THR:HA	20	0.26
(1,914)	1:795:A:VAL:H	1:798:A:GLY:H	11	0.26
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE1	12	0.26
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE2	12	0.26
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	10	0.26
(1,790)	1:780:A:ILE:HD11	1:782:A:GLN:H	8	0.26
(1,790)	1:780:A:ILE:HD12	1:782:A:GLN:H	8	0.26
(1,790)	1:780:A:ILE:HD13	1:782:A:GLN:H	8	0.26
(1,754)	1:719:A:THR:H	1:727:A:LYS:H	6	0.26
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	5	0.26
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	14	0.26
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	14	0.26
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	6	0.26
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	19	0.26
(1,584)	1:796:A:PRO:HA	1:839:A:TRP:HB2	8	0.26
(1,561)	1:721:A:VAL:HA	1:721:A:VAL:HG11	2	0.26
(1,561)	1:721:A:VAL:HA	1:721:A:VAL:HG12	2	0.26
(1,561)	1:721:A:VAL:HA	1:721:A:VAL:HG13	2	0.26
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG21	4	0.26
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG22	4	0.26
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG23	4	0.26
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG21	7	0.26
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG22	7	0.26
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG23	7	0.26
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG21	14	0.26
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG22	14	0.26
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG23	14	0.26
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG21	20	0.26
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG22	20	0.26
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG23	20	0.26
(1,550)	1:814:A:THR:HG21	1:815:A:PHE:H	13	0.26
(1,550)	1:814:A:THR:HG22	1:815:A:PHE:H	13	0.26
(1,550)	1:814:A:THR:HG23	1:815:A:PHE:H	13	0.26
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	16	0.26
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	16	0.26
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	16	0.26
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	16	0.26
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	16	0.26
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	16	0.26
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	16	0.26
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	16	0.26
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	16	0.26
(1,533)	1:840:A:ILE:H	1:840:A:ILE:HG13	9	0.26
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	3	0.26
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	18	0.26
(1,515)	1:793:A:HIS:HA	1:803:A:VAL:HA	13	0.26
(1,453)	1:822:A:GLN:HA	1:822:A:GLN:HB2	17	0.26
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	19	0.26
(1,418)	1:716:A:GLY:HA2	1:728:A:THR:HA	15	0.26
(1,416)	1:716:A:GLY:HA3	1:728:A:THR:HA	5	0.26
(1,401)	1:737:A:SER:H	1:755:A:TYR:HA	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:779:A:LYS:H	1:779:A:LYS:HB3	5	0.26
(1,399)	1:779:A:LYS:H	1:779:A:LYS:HB3	20	0.26
(1,391)	1:734:A:ARG:HA	1:799:A:THR:H	8	0.26
(1,388)	1:748:A:LYS:H	1:748:A:LYS:HB2	10	0.26
(1,384)	1:842:A:LYS:HA	1:842:A:LYS:HG2	5	0.26
(1,380)	1:825:A:LYS:HA	1:825:A:LYS:HB2	7	0.26
(1,347)	1:735:A:THR:HG21	1:736:A:LEU:H	5	0.26
(1,347)	1:735:A:THR:HG22	1:736:A:LEU:H	5	0.26
(1,347)	1:735:A:THR:HG23	1:736:A:LEU:H	5	0.26
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB1	13	0.26
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB2	13	0.26
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB3	13	0.26
(1,274)	1:754:A:ASP:HB2	1:759:A:THR:HB	8	0.26
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	1	0.26
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	3	0.26
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	20	0.26
(1,252)	1:713:A:LYS:HA	1:713:A:LYS:HG2	5	0.26
(1,243)	1:810:A:LYS:HA	1:810:A:LYS:HG3	6	0.26
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	6	0.26
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	9	0.26
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	18	0.26
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	19	0.26
(1,195)	1:710:A:ILE:HA	1:769:A:VAL:HA	5	0.26
(1,195)	1:710:A:ILE:HA	1:769:A:VAL:HA	9	0.26
(1,177)	1:709:A:GLN:HB2	1:709:A:GLN:HG2	16	0.26
(1,132)	1:787:A:LYS:HA	1:812:A:ASP:HA	10	0.26
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	9	0.26
(1,103)	1:780:A:ILE:HD11	1:817:A:ALA:HB1	18	0.26
(1,103)	1:780:A:ILE:HD11	1:817:A:ALA:HB2	18	0.26
(1,103)	1:780:A:ILE:HD11	1:817:A:ALA:HB3	18	0.26
(1,103)	1:780:A:ILE:HD12	1:817:A:ALA:HB1	18	0.26
(1,103)	1:780:A:ILE:HD12	1:817:A:ALA:HB2	18	0.26
(1,103)	1:780:A:ILE:HD12	1:817:A:ALA:HB3	18	0.26
(1,103)	1:780:A:ILE:HD13	1:817:A:ALA:HB1	18	0.26
(1,103)	1:780:A:ILE:HD13	1:817:A:ALA:HB2	18	0.26
(1,103)	1:780:A:ILE:HD13	1:817:A:ALA:HB3	18	0.26
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	13	0.26
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	5	0.26
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	5	0.26
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	5	0.26
(1,4)	1:709:A:GLN:HB3	1:709:A:GLN:HG3	19	0.26
(1,1464)	1:836:A:LYS:H	1:836:A:LYS:HD2	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:836:A:LYS:H	1:836:A:LYS:HD3	20	0.25
(1,1463)	1:834:A:ASN:HB2	1:836:A:LYS:H	1	0.25
(1,1463)	1:834:A:ASN:HB3	1:836:A:LYS:H	1	0.25
(1,1463)	1:834:A:ASN:HB2	1:836:A:LYS:H	14	0.25
(1,1463)	1:834:A:ASN:HB3	1:836:A:LYS:H	14	0.25
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB2	16	0.25
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB3	16	0.25
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB2	16	0.25
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB3	16	0.25
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB2	13	0.25
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB3	13	0.25
(1,1448)	1:825:A:LYS:HA	1:825:A:LYS:HE2	5	0.25
(1,1448)	1:825:A:LYS:HA	1:825:A:LYS:HE3	5	0.25
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA2	12	0.25
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA3	12	0.25
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA2	12	0.25
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA3	12	0.25
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA2	12	0.25
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA3	12	0.25
(1,1420)	1:810:A:LYS:HG2	1:811:A:GLY:H	1	0.25
(1,1420)	1:810:A:LYS:HG3	1:811:A:GLY:H	1	0.25
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB2	9	0.25
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB3	9	0.25
(1,1330)	1:782:A:GLN:HB2	1:783:A:THR:H	16	0.25
(1,1330)	1:782:A:GLN:HB3	1:783:A:THR:H	16	0.25
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG2	11	0.25
(1,1329)	1:781:A:ASN:HA	1:816:A:LYS:HG3	11	0.25
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG2	15	0.25
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG3	15	0.25
(1,1317)	1:777:A:PRO:HB2	1:820:A:GLN:H	3	0.25
(1,1317)	1:777:A:PRO:HB3	1:820:A:GLN:H	3	0.25
(1,1275)	1:753:A:GLY:HA2	1:762:A:GLY:H	17	0.25
(1,1275)	1:753:A:GLY:HA3	1:762:A:GLY:H	17	0.25
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	3	0.25
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	3	0.25
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	3	0.25
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	3	0.25
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	3	0.25
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	3	0.25
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	4	0.25
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	4	0.25
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	4	0.25
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	4	0.25
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	4	0.25
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	6	0.25
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	6	0.25
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	6	0.25
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	6	0.25
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	6	0.25
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	6	0.25
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD11	8	0.25
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD12	8	0.25
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD13	8	0.25
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD21	8	0.25
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD22	8	0.25
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD23	8	0.25
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE2	13	0.25
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE3	13	0.25
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE2	13	0.25
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE3	13	0.25
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE2	3	0.25
(1,1199)	1:725:A:LYS:HB2	1:725:A:LYS:HE3	3	0.25
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE2	3	0.25
(1,1199)	1:725:A:LYS:HB3	1:725:A:LYS:HE3	3	0.25
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA2	2	0.25
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA3	2	0.25
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA2	2	0.25
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA3	2	0.25
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG2	14	0.25
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG3	14	0.25
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	18	0.25
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	18	0.25
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	18	0.25
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	18	0.25
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	18	0.25
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	18	0.25
(1,1103)	1:701:A:VAL:HG11	1:741:A:ALA:H	4	0.25
(1,1103)	1:701:A:VAL:HG12	1:741:A:ALA:H	4	0.25
(1,1103)	1:701:A:VAL:HG13	1:741:A:ALA:H	4	0.25
(1,1103)	1:701:A:VAL:HG21	1:741:A:ALA:H	4	0.25
(1,1103)	1:701:A:VAL:HG22	1:741:A:ALA:H	4	0.25
(1,1103)	1:701:A:VAL:HG23	1:741:A:ALA:H	4	0.25
(1,1079)	1:794:A:THR:HA	1:839:A:TRP:HD1	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	7	0.25
(1,1025)	1:818:A:THR:H	1:832:A:THR:H	2	0.25
(1,1025)	1:818:A:THR:H	1:832:A:THR:H	10	0.25
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	13	0.25
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	13	0.25
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	13	0.25
(1,912)	1:836:A:LYS:H	1:836:A:LYS:HG2	20	0.25
(1,863)	1:728:A:THR:HG21	1:729:A:THR:H	19	0.25
(1,863)	1:728:A:THR:HG22	1:729:A:THR:H	19	0.25
(1,863)	1:728:A:THR:HG23	1:729:A:THR:H	19	0.25
(1,856)	1:828:A:TYR:H	1:828:A:TYR:HE1	3	0.25
(1,856)	1:828:A:TYR:H	1:828:A:TYR:HE2	3	0.25
(1,839)	1:788:A:PRO:HB3	1:809:A:GLY:H	1	0.25
(1,794)	1:777:A:PRO:HA	1:820:A:GLN:H	14	0.25
(1,785)	1:708:A:ALA:H	1:736:A:LEU:H	9	0.25
(1,781)	1:713:A:LYS:H	1:713:A:LYS:HG3	1	0.25
(1,772)	1:792:A:LEU:HA	1:839:A:TRP:H	3	0.25
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	7	0.25
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	3	0.25
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	5	0.25
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	1	0.25
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	4	0.25
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	8	0.25
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	9	0.25
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	20	0.25
(1,587)	1:764:A:VAL:H	1:765:A:LYS:HA	18	0.25
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD21	18	0.25
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD22	18	0.25
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD23	18	0.25
(1,576)	1:775:A:LYS:H	1:775:A:LYS:HG2	1	0.25
(1,576)	1:775:A:LYS:H	1:775:A:LYS:HG2	2	0.25
(1,576)	1:775:A:LYS:H	1:775:A:LYS:HG2	12	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG21	1	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG22	1	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG23	1	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG21	3	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG22	3	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG23	3	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG21	8	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG22	8	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG23	8	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG21	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG22	11	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG23	11	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG21	12	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG22	12	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG23	12	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG21	13	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG22	13	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG23	13	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG21	15	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG22	15	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG23	15	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG21	16	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG22	16	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG23	16	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG21	17	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG22	17	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG23	17	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG21	18	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG22	18	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG23	18	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG21	19	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG22	19	0.25
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG23	19	0.25
(1,552)	1:783:A:THR:HG21	1:814:A:THR:HG21	3	0.25
(1,552)	1:783:A:THR:HG21	1:814:A:THR:HG22	3	0.25
(1,552)	1:783:A:THR:HG21	1:814:A:THR:HG23	3	0.25
(1,552)	1:783:A:THR:HG22	1:814:A:THR:HG21	3	0.25
(1,552)	1:783:A:THR:HG22	1:814:A:THR:HG22	3	0.25
(1,552)	1:783:A:THR:HG22	1:814:A:THR:HG23	3	0.25
(1,552)	1:783:A:THR:HG23	1:814:A:THR:HG21	3	0.25
(1,552)	1:783:A:THR:HG23	1:814:A:THR:HG22	3	0.25
(1,552)	1:783:A:THR:HG23	1:814:A:THR:HG23	3	0.25
(1,533)	1:840:A:ILE:H	1:840:A:ILE:HG13	14	0.25
(1,486)	1:725:A:LYS:HA	1:725:A:LYS:HG3	8	0.25
(1,486)	1:725:A:LYS:HA	1:725:A:LYS:HG3	11	0.25
(1,486)	1:725:A:LYS:HA	1:725:A:LYS:HG3	18	0.25
(1,485)	1:725:A:LYS:H	1:725:A:LYS:HG3	15	0.25
(1,485)	1:725:A:LYS:H	1:725:A:LYS:HG3	19	0.25
(1,465)	1:732:A:ILE:HB	1:733:A:GLN:H	6	0.25
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	12	0.25
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	12	0.25
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	17	0.25
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	16	0.25
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	18	0.25
(1,399)	1:779:A:LYS:H	1:779:A:LYS:HB3	10	0.25
(1,399)	1:779:A:LYS:H	1:779:A:LYS:HB3	15	0.25
(1,386)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	2	0.25
(1,386)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	14	0.25
(1,363)	1:832:A:THR:HA	1:837:A:SER:HA	19	0.25
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	1	0.25
(1,351)	1:711:A:ASN:H	1:769:A:VAL:HA	11	0.25
(1,276)	1:775:A:LYS:HA	1:775:A:LYS:HG3	15	0.25
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	8	0.25
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	9	0.25
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	13	0.25
(1,167)	1:839:A:TRP:HA	1:839:A:TRP:HE3	16	0.25
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	5	0.25
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	10	0.25
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	12	0.25
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	14	0.25
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	17	0.25
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	18	0.25
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	20	0.25
(1,110)	1:785:A:ASN:HA	1:814:A:THR:HA	5	0.25
(1,100)	1:810:A:LYS:HA	1:810:A:LYS:HG2	2	0.25
(1,100)	1:810:A:LYS:HA	1:810:A:LYS:HG2	17	0.25
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	8	0.25
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	17	0.25
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	19	0.25
(1,30)	1:845:A:LEU:HA	1:845:A:LEU:HG	14	0.25
(1,4)	1:709:A:GLN:HB3	1:709:A:GLN:HG3	16	0.25
(1,1463)	1:834:A:ASN:HB2	1:836:A:LYS:H	19	0.24
(1,1463)	1:834:A:ASN:HB3	1:836:A:LYS:H	19	0.24
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB2	14	0.24
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB3	14	0.24
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB2	14	0.24
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB3	14	0.24
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB2	18	0.24
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB3	18	0.24
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB2	18	0.24
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB3	18	0.24
(1,1392)	1:793:A:HIS:HB2	1:798:A:GLY:H	20	0.24
(1,1392)	1:793:A:HIS:HB3	1:798:A:GLY:H	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:788:A:PRO:HG2	1:789:A:GLY:H	5	0.24
(1,1362)	1:788:A:PRO:HG3	1:789:A:GLY:H	5	0.24
(1,1339)	1:784:A:TYR:HB2	1:846:A:THR:H	18	0.24
(1,1339)	1:784:A:TYR:HB3	1:846:A:THR:H	18	0.24
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG2	14	0.24
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG3	14	0.24
(1,1313)	1:775:A:LYS:HB2	1:822:A:GLN:H	17	0.24
(1,1313)	1:775:A:LYS:HB3	1:822:A:GLN:H	17	0.24
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	2	0.24
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	2	0.24
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	2	0.24
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	2	0.24
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	2	0.24
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	2	0.24
(1,1243)	1:744:A:LEU:HB2	1:747:A:LYS:H	1	0.24
(1,1243)	1:744:A:LEU:HB3	1:747:A:LYS:H	1	0.24
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD11	5	0.24
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD12	5	0.24
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD13	5	0.24
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD21	5	0.24
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD22	5	0.24
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD23	5	0.24
(1,1217)	1:737:A:SER:HB2	1:753:A:GLY:H	2	0.24
(1,1217)	1:737:A:SER:HB3	1:753:A:GLY:H	2	0.24
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	18	0.24
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	18	0.24
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	18	0.24
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	18	0.24
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	18	0.24
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	18	0.24
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG2	2	0.24
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG3	2	0.24
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD11	17	0.24
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD12	17	0.24
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD13	17	0.24
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD21	17	0.24
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD22	17	0.24
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD23	17	0.24
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD11	17	0.24
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD12	17	0.24
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD13	17	0.24
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD21	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD22	17	0.24
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD23	17	0.24
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD11	17	0.24
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD12	17	0.24
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD13	17	0.24
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD21	17	0.24
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD22	17	0.24
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD23	17	0.24
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD11	17	0.24
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD12	17	0.24
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD13	17	0.24
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD21	17	0.24
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD22	17	0.24
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD23	17	0.24
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD11	17	0.24
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD12	17	0.24
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD13	17	0.24
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD21	17	0.24
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD22	17	0.24
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD23	17	0.24
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD11	17	0.24
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD12	17	0.24
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD13	17	0.24
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD21	17	0.24
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD22	17	0.24
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD23	17	0.24
(1,1087)	1:697:A:ASN:HB2	1:744:A:LEU:HG	3	0.24
(1,1087)	1:697:A:ASN:HB3	1:744:A:LEU:HG	3	0.24
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	1	0.24
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	9	0.24
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	11	0.24
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	6	0.24
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	6	0.24
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	6	0.24
(1,966)	1:697:A:ASN:HA	1:745:A:GLY:H	16	0.24
(1,955)	1:727:A:LYS:H	1:727:A:LYS:HD3	3	0.24
(1,938)	1:785:A:ASN:H	1:846:A:THR:H	12	0.24
(1,928)	1:845:A:LEU:H	1:845:A:LEU:HB2	9	0.24
(1,914)	1:795:A:VAL:H	1:798:A:GLY:H	15	0.24
(1,881)	1:817:A:ALA:HA	1:832:A:THR:H	1	0.24
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE1	10	0.24
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE2	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	11	0.24
(1,788)	1:781:A:ASN:HA	1:782:A:GLN:H	1	0.24
(1,788)	1:781:A:ASN:HA	1:782:A:GLN:H	7	0.24
(1,734)	1:754:A:ASP:H	1:760:A:ASN:HA	15	0.24
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG21	18	0.24
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG22	18	0.24
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG23	18	0.24
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	6	0.24
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	10	0.24
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	14	0.24
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	5	0.24
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	13	0.24
(1,595)	1:709:A:GLN:HA	1:735:A:THR:HA	15	0.24
(1,576)	1:775:A:LYS:H	1:775:A:LYS:HG2	16	0.24
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG21	5	0.24
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG22	5	0.24
(1,559)	1:721:A:VAL:HA	1:721:A:VAL:HG23	5	0.24
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	14	0.24
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	16	0.24
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	20	0.24
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	20	0.24
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	19	0.24
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	19	0.24
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	19	0.24
(1,485)	1:725:A:LYS:H	1:725:A:LYS:HG3	1	0.24
(1,424)	1:708:A:ALA:HA	1:771:A:TYR:HA	9	0.24
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	19	0.24
(1,399)	1:779:A:LYS:H	1:779:A:LYS:HB3	16	0.24
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	14	0.24
(1,371)	1:765:A:LYS:HA	1:765:A:LYS:HE3	14	0.24
(1,364)	1:823:A:ILE:HB	1:826:A:ALA:H	17	0.24
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	19	0.24
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB1	7	0.24
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB2	7	0.24
(1,324)	1:700:A:THR:H	1:742:A:ALA:HB3	7	0.24
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	5	0.24
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	6	0.24
(1,277)	1:775:A:LYS:H	1:775:A:LYS:HG3	7	0.24
(1,265)	1:734:A:ARG:HA	1:734:A:ARG:HD2	16	0.24
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	5	0.24
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	7	0.24
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:713:A:LYS:HA	1:714:A:ASN:H	3	0.24
(1,255)	1:713:A:LYS:HA	1:714:A:ASN:H	15	0.24
(1,252)	1:713:A:LYS:HA	1:713:A:LYS:HG2	19	0.24
(1,243)	1:810:A:LYS:HA	1:810:A:LYS:HG3	7	0.24
(1,243)	1:810:A:LYS:HA	1:810:A:LYS:HG3	15	0.24
(1,235)	1:818:A:THR:H	1:818:A:THR:HG21	18	0.24
(1,235)	1:818:A:THR:H	1:818:A:THR:HG22	18	0.24
(1,235)	1:818:A:THR:H	1:818:A:THR:HG23	18	0.24
(1,229)	1:705:A:SER:HA	1:739:A:THR:HA	6	0.24
(1,224)	1:732:A:ILE:HD11	1:733:A:GLN:H	19	0.24
(1,224)	1:732:A:ILE:HD12	1:733:A:GLN:H	19	0.24
(1,224)	1:732:A:ILE:HD13	1:733:A:GLN:H	19	0.24
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG11	5	0.24
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG12	5	0.24
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG13	5	0.24
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG21	5	0.24
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG22	5	0.24
(1,204)	1:791:A:LYS:HB2	1:803:A:VAL:HG23	5	0.24
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	5	0.24
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	4	0.24
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	14	0.24
(1,165)	1:831:A:GLY:H	1:839:A:TRP:HA	7	0.24
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	4	0.24
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	7	0.24
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	11	0.24
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	13	0.24
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	15	0.24
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	19	0.24
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	3	0.24
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	3	0.24
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	3	0.24
(1,103)	1:780:A:ILE:HD11	1:817:A:ALA:HB1	8	0.24
(1,103)	1:780:A:ILE:HD11	1:817:A:ALA:HB2	8	0.24
(1,103)	1:780:A:ILE:HD11	1:817:A:ALA:HB3	8	0.24
(1,103)	1:780:A:ILE:HD12	1:817:A:ALA:HB1	8	0.24
(1,103)	1:780:A:ILE:HD12	1:817:A:ALA:HB2	8	0.24
(1,103)	1:780:A:ILE:HD12	1:817:A:ALA:HB3	8	0.24
(1,103)	1:780:A:ILE:HD13	1:817:A:ALA:HB1	8	0.24
(1,103)	1:780:A:ILE:HD13	1:817:A:ALA:HB2	8	0.24
(1,103)	1:780:A:ILE:HD13	1:817:A:ALA:HB3	8	0.24
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	2	0.24
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	17	0.24
(1,47)	1:743:A:THR:HG21	1:744:A:LEU:H	4	0.24
(1,47)	1:743:A:THR:HG22	1:744:A:LEU:H	4	0.24
(1,47)	1:743:A:THR:HG23	1:744:A:LEU:H	4	0.24
(1,47)	1:743:A:THR:HG21	1:744:A:LEU:H	11	0.24
(1,47)	1:743:A:THR:HG22	1:744:A:LEU:H	11	0.24
(1,47)	1:743:A:THR:HG23	1:744:A:LEU:H	11	0.24
(1,7)	1:740:A:LYS:HA	1:740:A:LYS:HD3	1	0.24
(1,1440)	1:820:A:GLN:HB2	1:828:A:TYR:H	14	0.23
(1,1440)	1:820:A:GLN:HB3	1:828:A:TYR:H	14	0.23
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA2	2	0.23
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA3	2	0.23
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA2	2	0.23
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA3	2	0.23
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA2	2	0.23
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA3	2	0.23
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA2	11	0.23
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA3	11	0.23
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA2	11	0.23
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA3	11	0.23
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA2	11	0.23
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA3	11	0.23
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	3	0.23
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	3	0.23
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG11	15	0.23
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG12	15	0.23
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG13	15	0.23
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG21	15	0.23
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG22	15	0.23
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG23	15	0.23
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG21	7	0.23
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG22	7	0.23
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG23	7	0.23
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG21	7	0.23
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG22	7	0.23
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG23	7	0.23
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	20	0.23
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	20	0.23
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	20	0.23
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	20	0.23
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	20	0.23
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1321)	1:778:A:VAL:HG11	1:820:A:GLN:H	13	0.23
(1,1321)	1:778:A:VAL:HG12	1:820:A:GLN:H	13	0.23
(1,1321)	1:778:A:VAL:HG13	1:820:A:GLN:H	13	0.23
(1,1321)	1:778:A:VAL:HG21	1:820:A:GLN:H	13	0.23
(1,1321)	1:778:A:VAL:HG22	1:820:A:GLN:H	13	0.23
(1,1321)	1:778:A:VAL:HG23	1:820:A:GLN:H	13	0.23
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG21	9	0.23
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG22	9	0.23
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG23	9	0.23
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG21	9	0.23
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG22	9	0.23
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG23	9	0.23
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG21	9	0.23
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG22	9	0.23
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG23	9	0.23
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG21	9	0.23
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG22	9	0.23
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG23	9	0.23
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG21	9	0.23
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG22	9	0.23
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG23	9	0.23
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG21	9	0.23
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG22	9	0.23
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG23	9	0.23
(1,1317)	1:777:A:PRO:HB2	1:820:A:GLN:H	5	0.23
(1,1317)	1:777:A:PRO:HB3	1:820:A:GLN:H	5	0.23
(1,1312)	1:775:A:LYS:HB2	1:776:A:SER:H	2	0.23
(1,1312)	1:775:A:LYS:HB3	1:776:A:SER:H	2	0.23
(1,1292)	1:761:A:TYR:HB2	1:762:A:GLY:H	18	0.23
(1,1292)	1:761:A:TYR:HB3	1:762:A:GLY:H	18	0.23
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD11	20	0.23
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD12	20	0.23
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD13	20	0.23
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD21	20	0.23
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD22	20	0.23
(1,1265)	1:751:A:LEU:H	1:751:A:LEU:HD23	20	0.23
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE2	12	0.23
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE3	12	0.23
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE2	12	0.23
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE3	12	0.23
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE2	15	0.23
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE3	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE2	15	0.23
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE3	15	0.23
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD11	10	0.23
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD12	10	0.23
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD13	10	0.23
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD21	10	0.23
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD22	10	0.23
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD23	10	0.23
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	13	0.23
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	15	0.23
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	17	0.23
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	19	0.23
(1,1049)	1:708:A:ALA:HB1	1:771:A:TYR:HD1	8	0.23
(1,1049)	1:708:A:ALA:HB1	1:771:A:TYR:HD2	8	0.23
(1,1049)	1:708:A:ALA:HB2	1:771:A:TYR:HD1	8	0.23
(1,1049)	1:708:A:ALA:HB2	1:771:A:TYR:HD2	8	0.23
(1,1049)	1:708:A:ALA:HB3	1:771:A:TYR:HD1	8	0.23
(1,1049)	1:708:A:ALA:HB3	1:771:A:TYR:HD2	8	0.23
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD1	12	0.23
(1,1041)	1:818:A:THR:HB	1:830:A:TYR:HD2	12	0.23
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	14	0.23
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	14	0.23
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	14	0.23
(1,941)	1:786:A:VAL:HA	1:846:A:THR:H	16	0.23
(1,875)	1:794:A:THR:H	1:803:A:VAL:HA	14	0.23
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	1	0.23
(1,839)	1:788:A:PRO:HB3	1:809:A:GLY:H	8	0.23
(1,738)	1:752:A:VAL:HB	1:753:A:GLY:H	18	0.23
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	18	0.23
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	7	0.23
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	16	0.23
(1,624)	1:713:A:LYS:HB3	1:713:A:LYS:HE3	14	0.23
(1,595)	1:709:A:GLN:HA	1:735:A:THR:HA	17	0.23
(1,589)	1:749:A:PHE:HA	1:765:A:LYS:HA	7	0.23
(1,587)	1:764:A:VAL:H	1:765:A:LYS:HA	13	0.23
(1,572)	1:700:A:THR:H	1:743:A:THR:HB	11	0.23
(1,561)	1:721:A:VAL:HA	1:721:A:VAL:HG11	10	0.23
(1,561)	1:721:A:VAL:HA	1:721:A:VAL:HG12	10	0.23
(1,561)	1:721:A:VAL:HA	1:721:A:VAL:HG13	10	0.23
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	7	0.23
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	9	0.23
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB1	4	0.23
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB2	4	0.23
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB3	4	0.23
(1,519)	1:804:A:ALA:HB1	1:839:A:TRP:H	17	0.23
(1,519)	1:804:A:ALA:HB2	1:839:A:TRP:H	17	0.23
(1,519)	1:804:A:ALA:HB3	1:839:A:TRP:H	17	0.23
(1,495)	1:779:A:LYS:HA	1:819:A:LYS:HA	16	0.23
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	8	0.23
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	8	0.23
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	8	0.23
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	12	0.23
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	12	0.23
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	12	0.23
(1,486)	1:725:A:LYS:HA	1:725:A:LYS:HG3	1	0.23
(1,486)	1:725:A:LYS:HA	1:725:A:LYS:HG3	5	0.23
(1,452)	1:822:A:GLN:H	1:822:A:GLN:HB2	1	0.23
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	4	0.23
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	4	0.23
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	7	0.23
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	7	0.23
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	10	0.23
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB1	10	0.23
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB2	10	0.23
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB3	10	0.23
(1,325)	1:701:A:VAL:HA	1:742:A:ALA:HB1	5	0.23
(1,325)	1:701:A:VAL:HA	1:742:A:ALA:HB2	5	0.23
(1,325)	1:701:A:VAL:HA	1:742:A:ALA:HB3	5	0.23
(1,224)	1:732:A:ILE:HD11	1:733:A:GLN:H	16	0.23
(1,224)	1:732:A:ILE:HD12	1:733:A:GLN:H	16	0.23
(1,224)	1:732:A:ILE:HD13	1:733:A:GLN:H	16	0.23
(1,224)	1:732:A:ILE:HD11	1:733:A:GLN:H	20	0.23
(1,224)	1:732:A:ILE:HD12	1:733:A:GLN:H	20	0.23
(1,224)	1:732:A:ILE:HD13	1:733:A:GLN:H	20	0.23
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	5	0.23
(1,196)	1:710:A:ILE:HA	1:770:A:ILE:H	6	0.23
(1,196)	1:710:A:ILE:HA	1:770:A:ILE:H	7	0.23
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	8	0.23
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	17	0.23
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	8	0.23
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	1	0.23
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	2	0.23
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	6	0.23
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	16	0.23
(1,117)	1:734:A:ARG:H	1:734:A:ARG:HD3	17	0.23
(1,110)	1:785:A:ASN:HA	1:814:A:THR:HA	4	0.23
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD11	16	0.23
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD12	16	0.23
(1,104)	1:780:A:ILE:HA	1:780:A:ILE:HD13	16	0.23
(1,103)	1:780:A:ILE:HD11	1:817:A:ALA:HB1	17	0.23
(1,103)	1:780:A:ILE:HD11	1:817:A:ALA:HB2	17	0.23
(1,103)	1:780:A:ILE:HD11	1:817:A:ALA:HB3	17	0.23
(1,103)	1:780:A:ILE:HD12	1:817:A:ALA:HB1	17	0.23
(1,103)	1:780:A:ILE:HD12	1:817:A:ALA:HB2	17	0.23
(1,103)	1:780:A:ILE:HD12	1:817:A:ALA:HB3	17	0.23
(1,103)	1:780:A:ILE:HD13	1:817:A:ALA:HB1	17	0.23
(1,103)	1:780:A:ILE:HD13	1:817:A:ALA:HB2	17	0.23
(1,103)	1:780:A:ILE:HD13	1:817:A:ALA:HB3	17	0.23
(1,91)	1:825:A:LYS:HA	1:825:A:LYS:HG2	20	0.23
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	1	0.23
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	9	0.23
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	10	0.23
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	11	0.23
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	12	0.23
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	16	0.23
(1,35)	1:707:A:VAL:HA	1:737:A:SER:HA	17	0.23
(1,1443)	1:821:A:GLN:HG2	1:822:A:GLN:H	5	0.22
(1,1443)	1:821:A:GLN:HG3	1:822:A:GLN:H	5	0.22
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA2	5	0.22
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA3	5	0.22
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA2	5	0.22
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA3	5	0.22
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA2	5	0.22
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA3	5	0.22
(1,1420)	1:810:A:LYS:HG2	1:811:A:GLY:H	5	0.22
(1,1420)	1:810:A:LYS:HG3	1:811:A:GLY:H	5	0.22
(1,1420)	1:810:A:LYS:HG2	1:811:A:GLY:H	20	0.22
(1,1420)	1:810:A:LYS:HG3	1:811:A:GLY:H	20	0.22
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB2	14	0.22
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB3	14	0.22
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB1	2	0.22
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB2	2	0.22
(1,1331)	1:782:A:GLN:HB2	1:817:A:ALA:HB3	2	0.22
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB1	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB2	2	0.22
(1,1331)	1:782:A:GLN:HB3	1:817:A:ALA:HB3	2	0.22
(1,1330)	1:782:A:GLN:HB2	1:783:A:THR:H	2	0.22
(1,1330)	1:782:A:GLN:HB3	1:783:A:THR:H	2	0.22
(1,1328)	1:781:A:ASN:H	1:782:A:GLN:HB2	8	0.22
(1,1328)	1:781:A:ASN:H	1:782:A:GLN:HB3	8	0.22
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG21	8	0.22
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG22	8	0.22
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG23	8	0.22
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG21	8	0.22
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG22	8	0.22
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG23	8	0.22
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG21	8	0.22
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG22	8	0.22
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG23	8	0.22
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG21	8	0.22
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG22	8	0.22
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG23	8	0.22
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG21	8	0.22
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG22	8	0.22
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG23	8	0.22
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG21	8	0.22
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG22	8	0.22
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG23	8	0.22
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG21	19	0.22
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG22	19	0.22
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG23	19	0.22
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG21	19	0.22
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG22	19	0.22
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG23	19	0.22
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG21	19	0.22
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG22	19	0.22
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG23	19	0.22
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG21	19	0.22
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG22	19	0.22
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG23	19	0.22
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG21	19	0.22
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG22	19	0.22
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG23	19	0.22
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG21	19	0.22
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG22	19	0.22
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG23	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG21	12	0.22
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG22	12	0.22
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG23	12	0.22
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG21	12	0.22
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG22	12	0.22
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG23	12	0.22
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB2	4	0.22
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB3	4	0.22
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB2	4	0.22
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB3	4	0.22
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG11	1	0.22
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG12	1	0.22
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG13	1	0.22
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG21	1	0.22
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG22	1	0.22
(1,1257)	1:750:A:TYR:H	1:752:A:VAL:HG23	1	0.22
(1,1243)	1:744:A:LEU:HB2	1:747:A:LYS:H	16	0.22
(1,1243)	1:744:A:LEU:HB3	1:747:A:LYS:H	16	0.22
(1,1243)	1:744:A:LEU:HB2	1:747:A:LYS:H	18	0.22
(1,1243)	1:744:A:LEU:HB3	1:747:A:LYS:H	18	0.22
(1,1219)	1:737:A:SER:HB2	1:755:A:TYR:HA	11	0.22
(1,1219)	1:737:A:SER:HB3	1:755:A:TYR:HA	11	0.22
(1,1217)	1:737:A:SER:HB2	1:753:A:GLY:H	3	0.22
(1,1217)	1:737:A:SER:HB3	1:753:A:GLY:H	3	0.22
(1,1215)	1:736:A:LEU:HB2	1:752:A:VAL:HB	4	0.22
(1,1215)	1:736:A:LEU:HB3	1:752:A:VAL:HB	4	0.22
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE2	18	0.22
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE3	18	0.22
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE2	18	0.22
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE3	18	0.22
(1,1147)	1:711:A:ASN:HB2	1:713:A:LYS:HB2	16	0.22
(1,1147)	1:711:A:ASN:HB2	1:713:A:LYS:HB3	16	0.22
(1,1147)	1:711:A:ASN:HB3	1:713:A:LYS:HB2	16	0.22
(1,1147)	1:711:A:ASN:HB3	1:713:A:LYS:HB3	16	0.22
(1,1139)	1:709:A:GLN:HG2	1:770:A:ILE:HB	14	0.22
(1,1139)	1:709:A:GLN:HG3	1:770:A:ILE:HB	14	0.22
(1,1117)	1:706:A:GLY:HA2	1:738:A:VAL:HB	7	0.22
(1,1117)	1:706:A:GLY:HA3	1:738:A:VAL:HB	7	0.22
(1,1103)	1:701:A:VAL:HG11	1:741:A:ALA:H	18	0.22
(1,1103)	1:701:A:VAL:HG12	1:741:A:ALA:H	18	0.22
(1,1103)	1:701:A:VAL:HG13	1:741:A:ALA:H	18	0.22
(1,1103)	1:701:A:VAL:HG21	1:741:A:ALA:H	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1103)	1:701:A:VAL:HG22	1:741:A:ALA:H	18	0.22
(1,1103)	1:701:A:VAL:HG23	1:741:A:ALA:H	18	0.22
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE1	8	0.22
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE2	8	0.22
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	2	0.22
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	4	0.22
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE1	14	0.22
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE2	14	0.22
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE1	14	0.22
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE2	14	0.22
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE1	14	0.22
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE2	14	0.22
(1,1038)	1:793:A:HIS:HA	1:793:A:HIS:HD2	7	0.22
(1,1035)	1:833:A:VAL:H	1:836:A:LYS:H	11	0.22
(1,1025)	1:818:A:THR:H	1:832:A:THR:H	17	0.22
(1,1025)	1:818:A:THR:H	1:832:A:THR:H	19	0.22
(1,997)	1:753:A:GLY:HA3	1:761:A:TYR:H	20	0.22
(1,966)	1:697:A:ASN:HA	1:745:A:GLY:H	9	0.22
(1,957)	1:727:A:LYS:H	1:727:A:LYS:HD2	2	0.22
(1,941)	1:786:A:VAL:HA	1:846:A:THR:H	11	0.22
(1,923)	1:780:A:ILE:H	1:818:A:THR:HA	16	0.22
(1,880)	1:816:A:LYS:H	1:832:A:THR:H	13	0.22
(1,788)	1:781:A:ASN:HA	1:782:A:GLN:H	2	0.22
(1,788)	1:781:A:ASN:HA	1:782:A:GLN:H	17	0.22
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	4	0.22
(1,704)	1:829:A:LEU:H	1:842:A:LYS:H	12	0.22
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	13	0.22
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	13	0.22
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	1	0.22
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	11	0.22
(1,580)	1:731:A:GLN:HA	1:731:A:GLN:HG3	5	0.22
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	15	0.22
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	15	0.22
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	15	0.22
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	15	0.22
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	15	0.22
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	15	0.22
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	15	0.22
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	15	0.22
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	15	0.22
(1,533)	1:840:A:ILE:H	1:840:A:ILE:HG13	8	0.22
(1,516)	1:740:A:LYS:HB2	1:740:A:LYS:HD3	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	1:713:A:LYS:HA	1:713:A:LYS:HD2	2	0.22
(1,418)	1:716:A:GLY:HA2	1:728:A:THR:HA	6	0.22
(1,384)	1:842:A:LYS:HA	1:842:A:LYS:HG2	7	0.22
(1,370)	1:765:A:LYS:H	1:765:A:LYS:HE3	14	0.22
(1,369)	1:765:A:LYS:HB2	1:765:A:LYS:HE3	14	0.22
(1,364)	1:823:A:ILE:HB	1:826:A:ALA:H	18	0.22
(1,334)	1:793:A:HIS:HA	1:795:A:VAL:H	13	0.22
(1,316)	1:725:A:LYS:H	1:725:A:LYS:HG2	6	0.22
(1,266)	1:734:A:ARG:H	1:734:A:ARG:HD2	14	0.22
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	11	0.22
(1,255)	1:713:A:LYS:HA	1:714:A:ASN:H	6	0.22
(1,243)	1:810:A:LYS:HA	1:810:A:LYS:HG3	13	0.22
(1,207)	1:713:A:LYS:HB2	1:713:A:LYS:HE2	3	0.22
(1,206)	1:713:A:LYS:HA	1:713:A:LYS:HE2	5	0.22
(1,177)	1:709:A:GLN:HB2	1:709:A:GLN:HG2	20	0.22
(1,121)	1:790:A:VAL:HA	1:790:A:VAL:HB	8	0.22
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	2	0.22
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	3	0.22
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	4	0.22
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	5	0.22
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	6	0.22
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	7	0.22
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	8	0.22
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	13	0.22
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	14	0.22
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	15	0.22
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	17	0.22
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	18	0.22
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	19	0.22
(1,88)	1:807:A:VAL:HA	1:807:A:VAL:HB	20	0.22
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	1	0.22
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	4	0.22
(1,30)	1:845:A:LEU:HA	1:845:A:LEU:HG	10	0.22
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	16	0.22
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	16	0.22
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	16	0.22
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB2	12	0.21
(1,1454)	1:828:A:TYR:HB2	1:839:A:TRP:HB3	12	0.21
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB2	12	0.21
(1,1454)	1:828:A:TYR:HB3	1:839:A:TRP:HB3	12	0.21
(1,1397)	1:794:A:THR:H	1:802:A:GLN:HG2	1	0.21
(1,1397)	1:794:A:THR:H	1:802:A:GLN:HG3	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1330)	1:782:A:GLN:HB2	1:783:A:THR:H	17	0.21
(1,1330)	1:782:A:GLN:HB3	1:783:A:THR:H	17	0.21
(1,1330)	1:782:A:GLN:HB2	1:783:A:THR:H	20	0.21
(1,1330)	1:782:A:GLN:HB3	1:783:A:THR:H	20	0.21
(1,1313)	1:775:A:LYS:HB2	1:822:A:GLN:H	12	0.21
(1,1313)	1:775:A:LYS:HB3	1:822:A:GLN:H	12	0.21
(1,1312)	1:775:A:LYS:HB2	1:776:A:SER:H	4	0.21
(1,1312)	1:775:A:LYS:HB3	1:776:A:SER:H	4	0.21
(1,1303)	1:767:A:ASP:HB2	1:769:A:VAL:H	17	0.21
(1,1303)	1:767:A:ASP:HB3	1:769:A:VAL:H	17	0.21
(1,1243)	1:744:A:LEU:HB2	1:747:A:LYS:H	9	0.21
(1,1243)	1:744:A:LEU:HB3	1:747:A:LYS:H	9	0.21
(1,1173)	1:718:A:TYR:HB2	1:723:A:ASP:HB2	3	0.21
(1,1173)	1:718:A:TYR:HB2	1:723:A:ASP:HB3	3	0.21
(1,1173)	1:718:A:TYR:HB3	1:723:A:ASP:HB2	3	0.21
(1,1173)	1:718:A:TYR:HB3	1:723:A:ASP:HB3	3	0.21
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	7	0.21
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	7	0.21
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	11	0.21
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	11	0.21
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	11	0.21
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	11	0.21
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	11	0.21
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	11	0.21
(1,1112)	1:704:A:ASN:HB2	1:740:A:LYS:HA	14	0.21
(1,1112)	1:704:A:ASN:HB3	1:740:A:LYS:HA	14	0.21
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG2	6	0.21
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG3	6	0.21
(1,1097)	1:699:A:LEU:HB2	1:744:A:LEU:HD11	17	0.21
(1,1097)	1:699:A:LEU:HB2	1:744:A:LEU:HD12	17	0.21
(1,1097)	1:699:A:LEU:HB2	1:744:A:LEU:HD13	17	0.21
(1,1097)	1:699:A:LEU:HB2	1:744:A:LEU:HD21	17	0.21
(1,1097)	1:699:A:LEU:HB2	1:744:A:LEU:HD22	17	0.21
(1,1097)	1:699:A:LEU:HB2	1:744:A:LEU:HD23	17	0.21
(1,1097)	1:699:A:LEU:HB3	1:744:A:LEU:HD11	17	0.21
(1,1097)	1:699:A:LEU:HB3	1:744:A:LEU:HD12	17	0.21
(1,1097)	1:699:A:LEU:HB3	1:744:A:LEU:HD13	17	0.21
(1,1097)	1:699:A:LEU:HB3	1:744:A:LEU:HD21	17	0.21
(1,1097)	1:699:A:LEU:HB3	1:744:A:LEU:HD22	17	0.21
(1,1097)	1:699:A:LEU:HB3	1:744:A:LEU:HD23	17	0.21
(1,1086)	1:784:A:TYR:H	1:784:A:TYR:HE1	13	0.21
(1,1086)	1:784:A:TYR:H	1:784:A:TYR:HE2	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE1	9	0.21
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE2	9	0.21
(1,1079)	1:794:A:THR:HA	1:839:A:TRP:HD1	10	0.21
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	3	0.21
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	14	0.21
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE1	18	0.21
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE2	18	0.21
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE1	18	0.21
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE2	18	0.21
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE1	18	0.21
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE2	18	0.21
(1,1025)	1:818:A:THR:H	1:832:A:THR:H	9	0.21
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	9	0.21
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	9	0.21
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	9	0.21
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	18	0.21
(1,890)	1:757:A:THR:H	1:757:A:THR:HG21	13	0.21
(1,890)	1:757:A:THR:H	1:757:A:THR:HG22	13	0.21
(1,890)	1:757:A:THR:H	1:757:A:THR:HG23	13	0.21
(1,835)	1:817:A:ALA:HB1	1:819:A:LYS:H	18	0.21
(1,835)	1:817:A:ALA:HB2	1:819:A:LYS:H	18	0.21
(1,835)	1:817:A:ALA:HB3	1:819:A:LYS:H	18	0.21
(1,828)	1:781:A:ASN:H	1:781:A:ASN:HB3	18	0.21
(1,788)	1:781:A:ASN:HA	1:782:A:GLN:H	5	0.21
(1,788)	1:781:A:ASN:HA	1:782:A:GLN:H	15	0.21
(1,788)	1:781:A:ASN:HA	1:782:A:GLN:H	16	0.21
(1,773)	1:778:A:VAL:H	1:820:A:GLN:H	11	0.21
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	7	0.21
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG21	16	0.21
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG22	16	0.21
(1,694)	1:732:A:ILE:H	1:732:A:ILE:HG23	16	0.21
(1,681)	1:722:A:TYR:H	1:722:A:TYR:HD1	11	0.21
(1,681)	1:722:A:TYR:H	1:722:A:TYR:HD2	11	0.21
(1,637)	1:698:A:GLN:HB2	1:698:A:GLN:HG3	18	0.21
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	10	0.21
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	18	0.21
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	20	0.21
(1,587)	1:764:A:VAL:H	1:765:A:LYS:HA	3	0.21
(1,587)	1:764:A:VAL:H	1:765:A:LYS:HA	6	0.21
(1,587)	1:764:A:VAL:H	1:765:A:LYS:HA	12	0.21
(1,572)	1:700:A:THR:H	1:743:A:THR:HB	4	0.21
(1,556)	1:783:A:THR:HG21	1:816:A:LYS:HA	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:783:A:THR:HG22	1:816:A:LYS:HA	20	0.21
(1,556)	1:783:A:THR:HG23	1:816:A:LYS:HA	20	0.21
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	19	0.21
(1,526)	1:781:A:ASN:HA	1:818:A:THR:HA	10	0.21
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	12	0.21
(1,388)	1:748:A:LYS:H	1:748:A:LYS:HB2	18	0.21
(1,379)	1:825:A:LYS:HB2	1:825:A:LYS:HD3	16	0.21
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	9	0.21
(1,351)	1:711:A:ASN:H	1:769:A:VAL:HA	16	0.21
(1,347)	1:735:A:THR:HG21	1:736:A:LEU:H	3	0.21
(1,347)	1:735:A:THR:HG22	1:736:A:LEU:H	3	0.21
(1,347)	1:735:A:THR:HG23	1:736:A:LEU:H	3	0.21
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	18	0.21
(1,252)	1:713:A:LYS:HA	1:713:A:LYS:HG2	15	0.21
(1,235)	1:818:A:THR:H	1:818:A:THR:HG21	9	0.21
(1,235)	1:818:A:THR:H	1:818:A:THR:HG22	9	0.21
(1,235)	1:818:A:THR:H	1:818:A:THR:HG23	9	0.21
(1,224)	1:732:A:ILE:HD11	1:733:A:GLN:H	13	0.21
(1,224)	1:732:A:ILE:HD12	1:733:A:GLN:H	13	0.21
(1,224)	1:732:A:ILE:HD13	1:733:A:GLN:H	13	0.21
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	1	0.21
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	2	0.21
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	3	0.21
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	4	0.21
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	6	0.21
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	7	0.21
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	8	0.21
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	9	0.21
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	10	0.21
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	13	0.21
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	15	0.21
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	16	0.21
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	19	0.21
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	20	0.21
(1,206)	1:713:A:LYS:HA	1:713:A:LYS:HE2	15	0.21
(1,202)	1:758:A:GLY:H	1:759:A:THR:HB	13	0.21
(1,198)	1:813:A:GLN:HA	1:813:A:GLN:HG3	17	0.21
(1,177)	1:709:A:GLN:HB2	1:709:A:GLN:HG2	13	0.21
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	20	0.21
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	18	0.21
(1,163)	1:775:A:LYS:HA	1:775:A:LYS:HG2	1	0.21
(1,132)	1:787:A:LYS:HA	1:812:A:ASP:HA	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	12	0.21
(1,49)	1:743:A:THR:H	1:743:A:THR:HG21	19	0.21
(1,49)	1:743:A:THR:H	1:743:A:THR:HG22	19	0.21
(1,49)	1:743:A:THR:H	1:743:A:THR:HG23	19	0.21
(1,31)	1:845:A:LEU:HB3	1:845:A:LEU:HG	16	0.21
(1,30)	1:845:A:LEU:HA	1:845:A:LEU:HG	3	0.21
(1,30)	1:845:A:LEU:HA	1:845:A:LEU:HG	4	0.21
(1,28)	1:765:A:LYS:HA	1:765:A:LYS:HG2	14	0.21
(1,23)	1:830:A:TYR:HA	1:839:A:TRP:HA	16	0.21
(1,4)	1:709:A:GLN:HB3	1:709:A:GLN:HG3	20	0.21
(1,2)	1:709:A:GLN:HB2	1:709:A:GLN:HG3	3	0.21
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	11	0.21
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA2	1	0.2
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA3	1	0.2
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA2	1	0.2
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA3	1	0.2
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA2	1	0.2
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA3	1	0.2
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	13	0.2
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	13	0.2
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB2	10	0.2
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB3	10	0.2
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG21	13	0.2
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG22	13	0.2
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG23	13	0.2
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG21	13	0.2
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG22	13	0.2
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG23	13	0.2
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG21	6	0.2
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG22	6	0.2
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG23	6	0.2
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG21	6	0.2
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG22	6	0.2
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG23	6	0.2
(1,1351)	1:786:A:VAL:HG11	1:790:A:VAL:HB	4	0.2
(1,1351)	1:786:A:VAL:HG12	1:790:A:VAL:HB	4	0.2
(1,1351)	1:786:A:VAL:HG13	1:790:A:VAL:HB	4	0.2
(1,1351)	1:786:A:VAL:HG21	1:790:A:VAL:HB	4	0.2
(1,1351)	1:786:A:VAL:HG22	1:790:A:VAL:HB	4	0.2
(1,1351)	1:786:A:VAL:HG23	1:790:A:VAL:HB	4	0.2
(1,1330)	1:782:A:GLN:HB2	1:783:A:THR:H	10	0.2
(1,1330)	1:782:A:GLN:HB3	1:783:A:THR:H	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1330)	1:782:A:GLN:HB2	1:783:A:THR:H	15	0.2
(1,1330)	1:782:A:GLN:HB3	1:783:A:THR:H	15	0.2
(1,1328)	1:781:A:ASN:H	1:782:A:GLN:HB2	9	0.2
(1,1328)	1:781:A:ASN:H	1:782:A:GLN:HB3	9	0.2
(1,1303)	1:767:A:ASP:HB2	1:769:A:VAL:H	20	0.2
(1,1303)	1:767:A:ASP:HB3	1:769:A:VAL:H	20	0.2
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB2	14	0.2
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB3	14	0.2
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB2	14	0.2
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB3	14	0.2
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB1	10	0.2
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB2	10	0.2
(1,1188)	1:721:A:VAL:HG11	1:742:A:ALA:HB3	10	0.2
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB1	10	0.2
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB2	10	0.2
(1,1188)	1:721:A:VAL:HG12	1:742:A:ALA:HB3	10	0.2
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB1	10	0.2
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB2	10	0.2
(1,1188)	1:721:A:VAL:HG13	1:742:A:ALA:HB3	10	0.2
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB1	10	0.2
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB2	10	0.2
(1,1188)	1:721:A:VAL:HG21	1:742:A:ALA:HB3	10	0.2
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB1	10	0.2
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB2	10	0.2
(1,1188)	1:721:A:VAL:HG22	1:742:A:ALA:HB3	10	0.2
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB1	10	0.2
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB2	10	0.2
(1,1188)	1:721:A:VAL:HG23	1:742:A:ALA:HB3	10	0.2
(1,1159)	1:717:A:LEU:H	1:727:A:LYS:HB2	14	0.2
(1,1159)	1:717:A:LEU:H	1:727:A:LYS:HB3	14	0.2
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG11	2	0.2
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG12	2	0.2
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG13	2	0.2
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG21	2	0.2
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG22	2	0.2
(1,1144)	1:711:A:ASN:H	1:769:A:VAL:HG23	2	0.2
(1,1133)	1:708:A:ALA:HB1	1:738:A:VAL:HG11	3	0.2
(1,1133)	1:708:A:ALA:HB1	1:738:A:VAL:HG12	3	0.2
(1,1133)	1:708:A:ALA:HB1	1:738:A:VAL:HG13	3	0.2
(1,1133)	1:708:A:ALA:HB1	1:738:A:VAL:HG21	3	0.2
(1,1133)	1:708:A:ALA:HB1	1:738:A:VAL:HG22	3	0.2
(1,1133)	1:708:A:ALA:HB1	1:738:A:VAL:HG23	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1133)	1:708:A:ALA:HB2	1:738:A:VAL:HG11	3	0.2
(1,1133)	1:708:A:ALA:HB2	1:738:A:VAL:HG12	3	0.2
(1,1133)	1:708:A:ALA:HB2	1:738:A:VAL:HG13	3	0.2
(1,1133)	1:708:A:ALA:HB2	1:738:A:VAL:HG21	3	0.2
(1,1133)	1:708:A:ALA:HB2	1:738:A:VAL:HG22	3	0.2
(1,1133)	1:708:A:ALA:HB2	1:738:A:VAL:HG23	3	0.2
(1,1133)	1:708:A:ALA:HB3	1:738:A:VAL:HG11	3	0.2
(1,1133)	1:708:A:ALA:HB3	1:738:A:VAL:HG12	3	0.2
(1,1133)	1:708:A:ALA:HB3	1:738:A:VAL:HG13	3	0.2
(1,1133)	1:708:A:ALA:HB3	1:738:A:VAL:HG21	3	0.2
(1,1133)	1:708:A:ALA:HB3	1:738:A:VAL:HG22	3	0.2
(1,1133)	1:708:A:ALA:HB3	1:738:A:VAL:HG23	3	0.2
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG2	3	0.2
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG3	3	0.2
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG2	10	0.2
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG3	10	0.2
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	10	0.2
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	10	0.2
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	10	0.2
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	10	0.2
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	10	0.2
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	10	0.2
(1,1087)	1:697:A:ASN:HB2	1:744:A:LEU:HG	12	0.2
(1,1087)	1:697:A:ASN:HB3	1:744:A:LEU:HG	12	0.2
(1,1075)	1:797:A:TRP:H	1:797:A:TRP:HD1	9	0.2
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	10	0.2
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	16	0.2
(1,1056)	1:750:A:TYR:HA	1:750:A:TYR:HD1	20	0.2
(1,1056)	1:750:A:TYR:HA	1:750:A:TYR:HD2	20	0.2
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	5	0.2
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	5	0.2
(1,969)	1:748:A:LYS:H	1:748:A:LYS:HG3	20	0.2
(1,928)	1:845:A:LEU:H	1:845:A:LEU:HB2	7	0.2
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	19	0.2
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	19	0.2
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	19	0.2
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	13	0.2
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	16	0.2
(1,793)	1:782:A:GLN:H	1:817:A:ALA:H	12	0.2
(1,781)	1:713:A:LYS:H	1:713:A:LYS:HG3	13	0.2
(1,765)	1:750:A:TYR:HD1	1:751:A:LEU:H	6	0.2
(1,765)	1:750:A:TYR:HD2	1:751:A:LEU:H	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:698:A:GLN:HB2	1:698:A:GLN:HG3	12	0.2
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	2	0.2
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	15	0.2
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	1	0.2
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	4	0.2
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	16	0.2
(1,613)	1:817:A:ALA:HA	1:831:A:GLY:HA2	20	0.2
(1,595)	1:709:A:GLN:HA	1:735:A:THR:HA	1	0.2
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	16	0.2
(1,519)	1:804:A:ALA:HB1	1:839:A:TRP:H	20	0.2
(1,519)	1:804:A:ALA:HB2	1:839:A:TRP:H	20	0.2
(1,519)	1:804:A:ALA:HB3	1:839:A:TRP:H	20	0.2
(1,516)	1:740:A:LYS:HB2	1:740:A:LYS:HD3	2	0.2
(1,492)	1:727:A:LYS:HB3	1:727:A:LYS:HD3	18	0.2
(1,486)	1:725:A:LYS:HA	1:725:A:LYS:HG3	9	0.2
(1,486)	1:725:A:LYS:HA	1:725:A:LYS:HG3	19	0.2
(1,466)	1:747:A:LYS:H	1:747:A:LYS:HG2	7	0.2
(1,452)	1:822:A:GLN:H	1:822:A:GLN:HB2	10	0.2
(1,427)	1:767:A:ASP:HA	1:769:A:VAL:H	18	0.2
(1,424)	1:708:A:ALA:HA	1:771:A:TYR:HA	20	0.2
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	11	0.2
(1,402)	1:755:A:TYR:HA	1:755:A:TYR:HB2	1	0.2
(1,388)	1:748:A:LYS:H	1:748:A:LYS:HB2	3	0.2
(1,388)	1:748:A:LYS:H	1:748:A:LYS:HB2	4	0.2
(1,379)	1:825:A:LYS:HB2	1:825:A:LYS:HD3	4	0.2
(1,367)	1:822:A:GLN:HB3	1:822:A:GLN:HG3	7	0.2
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	8	0.2
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	12	0.2
(1,252)	1:713:A:LYS:HA	1:713:A:LYS:HG2	6	0.2
(1,252)	1:713:A:LYS:HA	1:713:A:LYS:HG2	7	0.2
(1,252)	1:713:A:LYS:HA	1:713:A:LYS:HG2	20	0.2
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	5	0.2
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	11	0.2
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	14	0.2
(1,217)	1:698:A:GLN:HB2	1:698:A:GLN:HG2	17	0.2
(1,182)	1:845:A:LEU:HA	1:845:A:LEU:HB3	8	0.2
(1,176)	1:709:A:GLN:HB2	1:734:A:ARG:H	2	0.2
(1,163)	1:775:A:LYS:HA	1:775:A:LYS:HG2	16	0.2
(1,149)	1:734:A:ARG:H	1:734:A:ARG:HG3	19	0.2
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	1	0.2
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	14	0.2
(1,37)	1:815:A:PHE:HA	1:832:A:THR:H	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:845:A:LEU:HA	1:845:A:LEU:HG	1	0.2
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD11	19	0.2
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD12	19	0.2
(1,16)	1:712:A:ALA:HA	1:732:A:ILE:HD13	19	0.2
(1,12)	1:784:A:TYR:HD1	1:847:A:ALA:HA	7	0.2
(1,12)	1:784:A:TYR:HD2	1:847:A:ALA:HA	7	0.2
(1,4)	1:709:A:GLN:HB3	1:709:A:GLN:HG3	13	0.2
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	2	0.2
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	3	0.2
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	4	0.2
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	6	0.2
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	7	0.2
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	8	0.2
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	9	0.2
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	10	0.2
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	12	0.2
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	13	0.2
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	14	0.2
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	15	0.2
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	16	0.2
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	18	0.2
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	19	0.2
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	20	0.2
(1,1464)	1:836:A:LYS:H	1:836:A:LYS:HD2	2	0.19
(1,1464)	1:836:A:LYS:H	1:836:A:LYS:HD3	2	0.19
(1,1458)	1:830:A:TYR:H	1:830:A:TYR:HB2	19	0.19
(1,1458)	1:830:A:TYR:H	1:830:A:TYR:HB3	19	0.19
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB2	4	0.19
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB3	4	0.19
(1,1426)	1:816:A:LYS:H	1:816:A:LYS:HE2	16	0.19
(1,1426)	1:816:A:LYS:H	1:816:A:LYS:HE3	16	0.19
(1,1408)	1:797:A:TRP:HB2	1:823:A:ILE:HG12	9	0.19
(1,1408)	1:797:A:TRP:HB2	1:823:A:ILE:HG13	9	0.19
(1,1408)	1:797:A:TRP:HB3	1:823:A:ILE:HG12	9	0.19
(1,1408)	1:797:A:TRP:HB3	1:823:A:ILE:HG13	9	0.19
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG12	12	0.19
(1,1379)	1:792:A:LEU:HA	1:840:A:ILE:HG13	12	0.19
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB2	5	0.19
(1,1365)	1:789:A:GLY:H	1:808:A:SER:HB3	5	0.19
(1,1343)	1:785:A:ASN:HB2	1:786:A:VAL:HA	7	0.19
(1,1343)	1:785:A:ASN:HB3	1:786:A:VAL:HA	7	0.19
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB2	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1326)	1:780:A:ILE:HD11	1:782:A:GLN:HB3	18	0.19
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB2	18	0.19
(1,1326)	1:780:A:ILE:HD12	1:782:A:GLN:HB3	18	0.19
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB2	18	0.19
(1,1326)	1:780:A:ILE:HD13	1:782:A:GLN:HB3	18	0.19
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG2	19	0.19
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG3	19	0.19
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG21	10	0.19
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG22	10	0.19
(1,1320)	1:778:A:VAL:HG11	1:780:A:ILE:HG23	10	0.19
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG21	10	0.19
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG22	10	0.19
(1,1320)	1:778:A:VAL:HG12	1:780:A:ILE:HG23	10	0.19
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG21	10	0.19
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG22	10	0.19
(1,1320)	1:778:A:VAL:HG13	1:780:A:ILE:HG23	10	0.19
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG21	10	0.19
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG22	10	0.19
(1,1320)	1:778:A:VAL:HG21	1:780:A:ILE:HG23	10	0.19
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG21	10	0.19
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG22	10	0.19
(1,1320)	1:778:A:VAL:HG22	1:780:A:ILE:HG23	10	0.19
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG21	10	0.19
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG22	10	0.19
(1,1320)	1:778:A:VAL:HG23	1:780:A:ILE:HG23	10	0.19
(1,1243)	1:744:A:LEU:HB2	1:747:A:LYS:H	12	0.19
(1,1243)	1:744:A:LEU:HB3	1:747:A:LYS:H	12	0.19
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	8	0.19
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	8	0.19
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	6	0.19
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	6	0.19
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	6	0.19
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	6	0.19
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	6	0.19
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	6	0.19
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	9	0.19
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	9	0.19
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	9	0.19
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	9	0.19
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	9	0.19
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	9	0.19
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB2	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1135)	1:708:A:ALA:HB1	1:771:A:TYR:HB3	14	0.19
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB2	14	0.19
(1,1135)	1:708:A:ALA:HB2	1:771:A:TYR:HB3	14	0.19
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB2	14	0.19
(1,1135)	1:708:A:ALA:HB3	1:771:A:TYR:HB3	14	0.19
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	19	0.19
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	19	0.19
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	19	0.19
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	19	0.19
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	19	0.19
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	19	0.19
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB1	10	0.19
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB2	10	0.19
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB3	10	0.19
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB1	10	0.19
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB2	10	0.19
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB3	10	0.19
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB1	10	0.19
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB2	10	0.19
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB3	10	0.19
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB1	10	0.19
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB2	10	0.19
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB3	10	0.19
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB1	10	0.19
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB2	10	0.19
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB3	10	0.19
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB1	10	0.19
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB2	10	0.19
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB3	10	0.19
(1,1103)	1:701:A:VAL:HG11	1:741:A:ALA:H	10	0.19
(1,1103)	1:701:A:VAL:HG12	1:741:A:ALA:H	10	0.19
(1,1103)	1:701:A:VAL:HG13	1:741:A:ALA:H	10	0.19
(1,1103)	1:701:A:VAL:HG21	1:741:A:ALA:H	10	0.19
(1,1103)	1:701:A:VAL:HG22	1:741:A:ALA:H	10	0.19
(1,1103)	1:701:A:VAL:HG23	1:741:A:ALA:H	10	0.19
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD11	6	0.19
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD12	6	0.19
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD13	6	0.19
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD21	6	0.19
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD22	6	0.19
(1,1095)	1:699:A:LEU:HA	1:744:A:LEU:HD23	6	0.19
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1076)	1:797:A:TRP:HA	1:797:A:TRP:HD1	7	0.19
(1,1075)	1:797:A:TRP:H	1:797:A:TRP:HD1	3	0.19
(1,1069)	1:718:A:TYR:HD1	1:764:A:VAL:HA	8	0.19
(1,1069)	1:718:A:TYR:HD2	1:764:A:VAL:HA	8	0.19
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	6	0.19
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE1	8	0.19
(1,1044)	1:828:A:TYR:HA	1:828:A:TYR:HE2	8	0.19
(1,1035)	1:833:A:VAL:H	1:836:A:LYS:H	10	0.19
(1,992)	1:759:A:THR:HG21	1:760:A:ASN:H	13	0.19
(1,992)	1:759:A:THR:HG22	1:760:A:ASN:H	13	0.19
(1,992)	1:759:A:THR:HG23	1:760:A:ASN:H	13	0.19
(1,986)	1:846:A:THR:HB	1:847:A:ALA:H	17	0.19
(1,977)	1:700:A:THR:H	1:743:A:THR:H	16	0.19
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	13	0.19
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	13	0.19
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	13	0.19
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE1	20	0.19
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE2	20	0.19
(1,858)	1:822:A:GLN:HA	1:828:A:TYR:H	18	0.19
(1,849)	1:744:A:LEU:H	1:744:A:LEU:HG	13	0.19
(1,848)	1:802:A:GLN:H	1:803:A:VAL:H	9	0.19
(1,839)	1:788:A:PRO:HB3	1:809:A:GLY:H	18	0.19
(1,835)	1:817:A:ALA:HB1	1:819:A:LYS:H	2	0.19
(1,835)	1:817:A:ALA:HB2	1:819:A:LYS:H	2	0.19
(1,835)	1:817:A:ALA:HB3	1:819:A:LYS:H	2	0.19
(1,828)	1:781:A:ASN:H	1:781:A:ASN:HB3	20	0.19
(1,793)	1:782:A:GLN:H	1:817:A:ALA:H	7	0.19
(1,781)	1:713:A:LYS:H	1:713:A:LYS:HG3	9	0.19
(1,781)	1:713:A:LYS:H	1:713:A:LYS:HG3	10	0.19
(1,688)	1:829:A:LEU:H	1:829:A:LEU:HD11	11	0.19
(1,688)	1:829:A:LEU:H	1:829:A:LEU:HD12	11	0.19
(1,688)	1:829:A:LEU:H	1:829:A:LEU:HD13	11	0.19
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	6	0.19
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	7	0.19
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	9	0.19
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	11	0.19
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	12	0.19
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	15	0.19
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	17	0.19
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	19	0.19
(1,589)	1:749:A:PHE:HA	1:765:A:LYS:HA	13	0.19
(1,543)	1:829:A:LEU:H	1:829:A:LEU:HG	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,492)	1:727:A:LYS:HB3	1:727:A:LYS:HD3	1	0.19
(1,492)	1:727:A:LYS:HB3	1:727:A:LYS:HD3	2	0.19
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB1	18	0.19
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB2	18	0.19
(1,489)	1:738:A:VAL:H	1:774:A:ALA:HB3	18	0.19
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	13	0.19
(1,424)	1:708:A:ALA:HA	1:771:A:TYR:HA	1	0.19
(1,402)	1:755:A:TYR:HA	1:755:A:TYR:HB2	17	0.19
(1,388)	1:748:A:LYS:H	1:748:A:LYS:HB2	7	0.19
(1,277)	1:775:A:LYS:H	1:775:A:LYS:HG3	4	0.19
(1,252)	1:713:A:LYS:HA	1:713:A:LYS:HG2	9	0.19
(1,211)	1:752:A:VAL:H	1:764:A:VAL:HB	12	0.19
(1,198)	1:813:A:GLN:HA	1:813:A:GLN:HG3	9	0.19
(1,198)	1:813:A:GLN:HA	1:813:A:GLN:HG3	15	0.19
(1,195)	1:710:A:ILE:HA	1:769:A:VAL:HA	16	0.19
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	19	0.19
(1,134)	1:740:A:LYS:HA	1:740:A:LYS:HD2	2	0.19
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	7	0.19
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	18	0.19
(1,38)	1:815:A:PHE:HA	1:833:A:VAL:HA	9	0.19
(1,30)	1:845:A:LEU:HA	1:845:A:LEU:HG	2	0.19
(1,1)	1:755:A:TYR:HA	1:755:A:TYR:HB3	5	0.19
(1,1443)	1:821:A:GLN:HG2	1:822:A:GLN:H	20	0.18
(1,1443)	1:821:A:GLN:HG3	1:822:A:GLN:H	20	0.18
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	4	0.18
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	4	0.18
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB1	12	0.18
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB2	12	0.18
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB3	12	0.18
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB1	12	0.18
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB2	12	0.18
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB3	12	0.18
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB1	19	0.18
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB2	19	0.18
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB3	19	0.18
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB1	19	0.18
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB2	19	0.18
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB3	19	0.18
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG21	2	0.18
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG22	2	0.18
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG23	2	0.18
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG21	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG22	2	0.18
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG23	2	0.18
(1,1330)	1:782:A:GLN:HB2	1:783:A:THR:H	19	0.18
(1,1330)	1:782:A:GLN:HB3	1:783:A:THR:H	19	0.18
(1,1321)	1:778:A:VAL:HG11	1:820:A:GLN:H	15	0.18
(1,1321)	1:778:A:VAL:HG12	1:820:A:GLN:H	15	0.18
(1,1321)	1:778:A:VAL:HG13	1:820:A:GLN:H	15	0.18
(1,1321)	1:778:A:VAL:HG21	1:820:A:GLN:H	15	0.18
(1,1321)	1:778:A:VAL:HG22	1:820:A:GLN:H	15	0.18
(1,1321)	1:778:A:VAL:HG23	1:820:A:GLN:H	15	0.18
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG21	8	0.18
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG22	8	0.18
(1,1310)	1:772:A:ASN:HB2	1:823:A:ILE:HG23	8	0.18
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG21	8	0.18
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG22	8	0.18
(1,1310)	1:772:A:ASN:HB3	1:823:A:ILE:HG23	8	0.18
(1,1303)	1:767:A:ASP:HB2	1:769:A:VAL:H	15	0.18
(1,1303)	1:767:A:ASP:HB3	1:769:A:VAL:H	15	0.18
(1,1281)	1:754:A:ASP:HB2	1:759:A:THR:HB	11	0.18
(1,1281)	1:754:A:ASP:HB3	1:759:A:THR:HB	11	0.18
(1,1279)	1:754:A:ASP:HB2	1:758:A:GLY:H	13	0.18
(1,1279)	1:754:A:ASP:HB3	1:758:A:GLY:H	13	0.18
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD11	12	0.18
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD12	12	0.18
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD13	12	0.18
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD21	12	0.18
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD22	12	0.18
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD23	12	0.18
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE2	17	0.18
(1,1201)	1:725:A:LYS:HG2	1:725:A:LYS:HE3	17	0.18
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE2	17	0.18
(1,1201)	1:725:A:LYS:HG3	1:725:A:LYS:HE3	17	0.18
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG2	11	0.18
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG3	11	0.18
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG2	11	0.18
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG3	11	0.18
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG2	11	0.18
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG3	11	0.18
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB1	18	0.18
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB2	18	0.18
(1,1121)	1:706:A:GLY:HA2	1:774:A:ALA:HB3	18	0.18
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB1	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB2	18	0.18
(1,1121)	1:706:A:GLY:HA3	1:774:A:ALA:HB3	18	0.18
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD11	18	0.18
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD12	18	0.18
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD13	18	0.18
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD21	18	0.18
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD22	18	0.18
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD23	18	0.18
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD11	18	0.18
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD12	18	0.18
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD13	18	0.18
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD21	18	0.18
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD22	18	0.18
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD23	18	0.18
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD11	18	0.18
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD12	18	0.18
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD13	18	0.18
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD21	18	0.18
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD22	18	0.18
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD23	18	0.18
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD11	18	0.18
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD12	18	0.18
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD13	18	0.18
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD21	18	0.18
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD22	18	0.18
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD23	18	0.18
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD11	18	0.18
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD12	18	0.18
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD13	18	0.18
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD21	18	0.18
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD22	18	0.18
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD23	18	0.18
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD11	18	0.18
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD12	18	0.18
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD13	18	0.18
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD21	18	0.18
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD22	18	0.18
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD23	18	0.18
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE1	17	0.18
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE2	17	0.18
(1,1076)	1:797:A:TRP:HA	1:797:A:TRP:HD1	2	0.18
(1,1075)	1:797:A:TRP:H	1:797:A:TRP:HD1	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1066)	1:761:A:TYR:H	1:761:A:TYR:HE1	9	0.18
(1,1066)	1:761:A:TYR:H	1:761:A:TYR:HE2	9	0.18
(1,1049)	1:708:A:ALA:HB1	1:771:A:TYR:HD1	11	0.18
(1,1049)	1:708:A:ALA:HB1	1:771:A:TYR:HD2	11	0.18
(1,1049)	1:708:A:ALA:HB2	1:771:A:TYR:HD1	11	0.18
(1,1049)	1:708:A:ALA:HB2	1:771:A:TYR:HD2	11	0.18
(1,1049)	1:708:A:ALA:HB3	1:771:A:TYR:HD1	11	0.18
(1,1049)	1:708:A:ALA:HB3	1:771:A:TYR:HD2	11	0.18
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE1	8	0.18
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE2	8	0.18
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE1	8	0.18
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE2	8	0.18
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE1	8	0.18
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE2	8	0.18
(1,1038)	1:793:A:HIS:HA	1:793:A:HIS:HD2	4	0.18
(1,982)	1:708:A:ALA:HB1	1:770:A:ILE:H	2	0.18
(1,982)	1:708:A:ALA:HB2	1:770:A:ILE:H	2	0.18
(1,982)	1:708:A:ALA:HB3	1:770:A:ILE:H	2	0.18
(1,976)	1:702:A:THR:H	1:743:A:THR:H	18	0.18
(1,969)	1:748:A:LYS:H	1:748:A:LYS:HG3	16	0.18
(1,966)	1:697:A:ASN:HA	1:745:A:GLY:H	14	0.18
(1,957)	1:727:A:LYS:H	1:727:A:LYS:HD2	17	0.18
(1,941)	1:786:A:VAL:HA	1:846:A:THR:H	12	0.18
(1,919)	1:789:A:GLY:H	1:807:A:VAL:H	11	0.18
(1,858)	1:822:A:GLN:HA	1:828:A:TYR:H	5	0.18
(1,786)	1:708:A:ALA:H	1:735:A:THR:HA	18	0.18
(1,781)	1:713:A:LYS:H	1:713:A:LYS:HG3	8	0.18
(1,752)	1:699:A:LEU:HG	1:700:A:THR:H	10	0.18
(1,752)	1:699:A:LEU:HG	1:700:A:THR:H	14	0.18
(1,704)	1:829:A:LEU:H	1:842:A:LYS:H	6	0.18
(1,635)	1:717:A:LEU:HA	1:764:A:VAL:HA	14	0.18
(1,627)	1:825:A:LYS:HA	1:825:A:LYS:HG3	10	0.18
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	17	0.18
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	3	0.18
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	5	0.18
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	10	0.18
(1,587)	1:764:A:VAL:H	1:765:A:LYS:HA	14	0.18
(1,556)	1:783:A:THR:HG21	1:816:A:LYS:HA	16	0.18
(1,556)	1:783:A:THR:HG22	1:816:A:LYS:HA	16	0.18
(1,556)	1:783:A:THR:HG23	1:816:A:LYS:HA	16	0.18
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB1	8	0.18
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB2	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,521)	1:793:A:HIS:HA	1:804:A:ALA:HB3	8	0.18
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB1	9	0.18
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB2	9	0.18
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB3	9	0.18
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB1	9	0.18
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB2	9	0.18
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB3	9	0.18
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB1	9	0.18
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB2	9	0.18
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB3	9	0.18
(1,488)	1:725:A:LYS:HA	1:725:A:LYS:HB2	3	0.18
(1,488)	1:725:A:LYS:HA	1:725:A:LYS:HB2	13	0.18
(1,486)	1:725:A:LYS:HA	1:725:A:LYS:HG3	12	0.18
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	2	0.18
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	2	0.18
(1,427)	1:767:A:ASP:HA	1:769:A:VAL:H	12	0.18
(1,424)	1:708:A:ALA:HA	1:771:A:TYR:HA	5	0.18
(1,424)	1:708:A:ALA:HA	1:771:A:TYR:HA	19	0.18
(1,388)	1:748:A:LYS:H	1:748:A:LYS:HB2	2	0.18
(1,386)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	3	0.18
(1,383)	1:778:A:VAL:HG21	1:779:A:LYS:H	10	0.18
(1,383)	1:778:A:VAL:HG22	1:779:A:LYS:H	10	0.18
(1,383)	1:778:A:VAL:HG23	1:779:A:LYS:H	10	0.18
(1,379)	1:825:A:LYS:HB2	1:825:A:LYS:HD3	6	0.18
(1,367)	1:822:A:GLN:HB3	1:822:A:GLN:HG3	16	0.18
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB1	20	0.18
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB2	20	0.18
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB3	20	0.18
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	11	0.18
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	16	0.18
(1,347)	1:735:A:THR:HG21	1:736:A:LEU:H	13	0.18
(1,347)	1:735:A:THR:HG22	1:736:A:LEU:H	13	0.18
(1,347)	1:735:A:THR:HG23	1:736:A:LEU:H	13	0.18
(1,339)	1:811:A:GLY:HA3	1:812:A:ASP:H	11	0.18
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	4	0.18
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	18	0.18
(1,252)	1:713:A:LYS:HA	1:713:A:LYS:HG2	3	0.18
(1,243)	1:810:A:LYS:HA	1:810:A:LYS:HG3	12	0.18
(1,235)	1:818:A:THR:H	1:818:A:THR:HG21	10	0.18
(1,235)	1:818:A:THR:H	1:818:A:THR:HG22	10	0.18
(1,235)	1:818:A:THR:H	1:818:A:THR:HG23	10	0.18
(1,235)	1:818:A:THR:H	1:818:A:THR:HG21	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,235)	1:818:A:THR:H	1:818:A:THR:HG22	17	0.18
(1,235)	1:818:A:THR:H	1:818:A:THR:HG23	17	0.18
(1,224)	1:732:A:ILE:HD11	1:733:A:GLN:H	9	0.18
(1,224)	1:732:A:ILE:HD12	1:733:A:GLN:H	9	0.18
(1,224)	1:732:A:ILE:HD13	1:733:A:GLN:H	9	0.18
(1,177)	1:709:A:GLN:HB2	1:709:A:GLN:HG2	10	0.18
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	8	0.18
(1,77)	1:777:A:PRO:HA	1:822:A:GLN:H	20	0.18
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	11	0.18
(1,60)	1:705:A:SER:HA	1:740:A:LYS:H	2	0.18
(1,37)	1:815:A:PHE:HA	1:832:A:THR:H	11	0.18
(1,4)	1:709:A:GLN:HB3	1:709:A:GLN:HG3	10	0.18
(1,1442)	1:821:A:GLN:HB2	1:828:A:TYR:HB2	20	0.17
(1,1442)	1:821:A:GLN:HB2	1:828:A:TYR:HB3	20	0.17
(1,1442)	1:821:A:GLN:HB3	1:828:A:TYR:HB2	20	0.17
(1,1442)	1:821:A:GLN:HB3	1:828:A:TYR:HB3	20	0.17
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA2	13	0.17
(1,1433)	1:817:A:ALA:HB1	1:831:A:GLY:HA3	13	0.17
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA2	13	0.17
(1,1433)	1:817:A:ALA:HB2	1:831:A:GLY:HA3	13	0.17
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA2	13	0.17
(1,1433)	1:817:A:ALA:HB3	1:831:A:GLY:HA3	13	0.17
(1,1431)	1:816:A:LYS:HB2	1:832:A:THR:HB	19	0.17
(1,1431)	1:816:A:LYS:HB3	1:832:A:THR:HB	19	0.17
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG11	10	0.17
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG12	10	0.17
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG13	10	0.17
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG21	10	0.17
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG22	10	0.17
(1,1425)	1:815:A:PHE:HA	1:833:A:VAL:HG23	10	0.17
(1,1394)	1:793:A:HIS:HB2	1:839:A:TRP:HB2	20	0.17
(1,1394)	1:793:A:HIS:HB2	1:839:A:TRP:HB3	20	0.17
(1,1394)	1:793:A:HIS:HB3	1:839:A:TRP:HB2	20	0.17
(1,1394)	1:793:A:HIS:HB3	1:839:A:TRP:HB3	20	0.17
(1,1392)	1:793:A:HIS:HB2	1:798:A:GLY:H	5	0.17
(1,1392)	1:793:A:HIS:HB3	1:798:A:GLY:H	5	0.17
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB1	2	0.17
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB2	2	0.17
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB3	2	0.17
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB1	2	0.17
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB2	2	0.17
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB3	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	1:784:A:TYR:HB2	1:815:A:PHE:HB2	8	0.17
(1,1337)	1:784:A:TYR:HB2	1:815:A:PHE:HB3	8	0.17
(1,1337)	1:784:A:TYR:HB3	1:815:A:PHE:HB2	8	0.17
(1,1337)	1:784:A:TYR:HB3	1:815:A:PHE:HB3	8	0.17
(1,1330)	1:782:A:GLN:HB2	1:783:A:THR:H	14	0.17
(1,1330)	1:782:A:GLN:HB3	1:783:A:THR:H	14	0.17
(1,1328)	1:781:A:ASN:H	1:782:A:GLN:HB2	13	0.17
(1,1328)	1:781:A:ASN:H	1:782:A:GLN:HB3	13	0.17
(1,1321)	1:778:A:VAL:HG11	1:820:A:GLN:H	1	0.17
(1,1321)	1:778:A:VAL:HG12	1:820:A:GLN:H	1	0.17
(1,1321)	1:778:A:VAL:HG13	1:820:A:GLN:H	1	0.17
(1,1321)	1:778:A:VAL:HG21	1:820:A:GLN:H	1	0.17
(1,1321)	1:778:A:VAL:HG22	1:820:A:GLN:H	1	0.17
(1,1321)	1:778:A:VAL:HG23	1:820:A:GLN:H	1	0.17
(1,1321)	1:778:A:VAL:HG11	1:820:A:GLN:H	17	0.17
(1,1321)	1:778:A:VAL:HG12	1:820:A:GLN:H	17	0.17
(1,1321)	1:778:A:VAL:HG13	1:820:A:GLN:H	17	0.17
(1,1321)	1:778:A:VAL:HG21	1:820:A:GLN:H	17	0.17
(1,1321)	1:778:A:VAL:HG22	1:820:A:GLN:H	17	0.17
(1,1321)	1:778:A:VAL:HG23	1:820:A:GLN:H	17	0.17
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG11	8	0.17
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG12	8	0.17
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG13	8	0.17
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG21	8	0.17
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG22	8	0.17
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG23	8	0.17
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG11	8	0.17
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG12	8	0.17
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG13	8	0.17
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG21	8	0.17
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG22	8	0.17
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG23	8	0.17
(1,1200)	1:725:A:LYS:HB2	1:726:A:GLY:H	6	0.17
(1,1200)	1:725:A:LYS:HB3	1:726:A:GLY:H	6	0.17
(1,1117)	1:706:A:GLY:HA2	1:738:A:VAL:HB	14	0.17
(1,1117)	1:706:A:GLY:HA3	1:738:A:VAL:HB	14	0.17
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG11	6	0.17
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG12	6	0.17
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG13	6	0.17
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG21	6	0.17
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG22	6	0.17
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG23	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG11	18	0.17
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG12	18	0.17
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG13	18	0.17
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG21	18	0.17
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG22	18	0.17
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG23	18	0.17
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	13	0.17
(1,1075)	1:797:A:TRP:H	1:797:A:TRP:HD1	17	0.17
(1,1062)	1:720:A:THR:HA	1:763:A:TRP:HD1	2	0.17
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	5	0.17
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	12	0.17
(1,1061)	1:763:A:TRP:HB3	1:763:A:TRP:HD1	20	0.17
(1,1056)	1:750:A:TYR:HA	1:750:A:TYR:HD1	7	0.17
(1,1056)	1:750:A:TYR:HA	1:750:A:TYR:HD2	7	0.17
(1,1025)	1:818:A:THR:H	1:832:A:THR:H	20	0.17
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	1	0.17
(1,966)	1:697:A:ASN:HA	1:745:A:GLY:H	19	0.17
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG21	7	0.17
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG22	7	0.17
(1,950)	1:784:A:TYR:H	1:814:A:THR:HG23	7	0.17
(1,936)	1:709:A:GLN:HA	1:734:A:ARG:H	16	0.17
(1,928)	1:845:A:LEU:H	1:845:A:LEU:HB2	17	0.17
(1,890)	1:757:A:THR:H	1:757:A:THR:HG21	14	0.17
(1,890)	1:757:A:THR:H	1:757:A:THR:HG22	14	0.17
(1,890)	1:757:A:THR:H	1:757:A:THR:HG23	14	0.17
(1,842)	1:737:A:SER:H	1:755:A:TYR:H	16	0.17
(1,812)	1:843:A:TYR:H	1:844:A:TYR:H	4	0.17
(1,812)	1:843:A:TYR:H	1:844:A:TYR:H	8	0.17
(1,788)	1:781:A:ASN:HA	1:782:A:GLN:H	8	0.17
(1,788)	1:781:A:ASN:HA	1:782:A:GLN:H	12	0.17
(1,784)	1:707:A:VAL:HB	1:708:A:ALA:H	4	0.17
(1,773)	1:778:A:VAL:H	1:820:A:GLN:H	18	0.17
(1,731)	1:714:A:ASN:HA	1:716:A:GLY:H	2	0.17
(1,675)	1:749:A:PHE:HA	1:766:A:GLN:H	10	0.17
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	2	0.17
(1,622)	1:713:A:LYS:HB3	1:713:A:LYS:HE2	8	0.17
(1,616)	1:725:A:LYS:HA	1:725:A:LYS:HB3	20	0.17
(1,587)	1:764:A:VAL:H	1:765:A:LYS:HA	7	0.17
(1,576)	1:775:A:LYS:H	1:775:A:LYS:HG2	4	0.17
(1,556)	1:783:A:THR:HG21	1:816:A:LYS:HA	12	0.17
(1,556)	1:783:A:THR:HG22	1:816:A:LYS:HA	12	0.17
(1,556)	1:783:A:THR:HG23	1:816:A:LYS:HA	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,550)	1:814:A:THR:HG21	1:815:A:PHE:H	15	0.17
(1,550)	1:814:A:THR:HG22	1:815:A:PHE:H	15	0.17
(1,550)	1:814:A:THR:HG23	1:815:A:PHE:H	15	0.17
(1,533)	1:840:A:ILE:H	1:840:A:ILE:HG13	18	0.17
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	13	0.17
(1,519)	1:804:A:ALA:HB1	1:839:A:TRP:H	18	0.17
(1,519)	1:804:A:ALA:HB2	1:839:A:TRP:H	18	0.17
(1,519)	1:804:A:ALA:HB3	1:839:A:TRP:H	18	0.17
(1,492)	1:727:A:LYS:HB3	1:727:A:LYS:HD3	19	0.17
(1,488)	1:725:A:LYS:HA	1:725:A:LYS:HB2	5	0.17
(1,488)	1:725:A:LYS:HA	1:725:A:LYS:HB2	7	0.17
(1,488)	1:725:A:LYS:HA	1:725:A:LYS:HB2	8	0.17
(1,488)	1:725:A:LYS:HA	1:725:A:LYS:HB2	9	0.17
(1,486)	1:725:A:LYS:HA	1:725:A:LYS:HG3	3	0.17
(1,486)	1:725:A:LYS:HA	1:725:A:LYS:HG3	15	0.17
(1,485)	1:725:A:LYS:H	1:725:A:LYS:HG3	2	0.17
(1,452)	1:822:A:GLN:H	1:822:A:GLN:HB2	2	0.17
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	3	0.17
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	3	0.17
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	8	0.17
(1,427)	1:767:A:ASP:HA	1:769:A:VAL:H	6	0.17
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	8	0.17
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	14	0.17
(1,388)	1:748:A:LYS:H	1:748:A:LYS:HB2	1	0.17
(1,388)	1:748:A:LYS:H	1:748:A:LYS:HB2	16	0.17
(1,386)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	5	0.17
(1,386)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	6	0.17
(1,363)	1:832:A:THR:HA	1:837:A:SER:HA	8	0.17
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	7	0.17
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	7	0.17
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	7	0.17
(1,347)	1:735:A:THR:HG21	1:736:A:LEU:H	6	0.17
(1,347)	1:735:A:THR:HG22	1:736:A:LEU:H	6	0.17
(1,347)	1:735:A:THR:HG23	1:736:A:LEU:H	6	0.17
(1,317)	1:725:A:LYS:HA	1:725:A:LYS:HG2	11	0.17
(1,292)	1:709:A:GLN:HA	1:709:A:GLN:HG2	17	0.17
(1,288)	1:727:A:LYS:HA	1:727:A:LYS:HG3	3	0.17
(1,279)	1:820:A:GLN:HB2	1:829:A:LEU:HG	12	0.17
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	1	0.17
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	3	0.17
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	5	0.17
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	7	0.17
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	8	0.17
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	9	0.17
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	10	0.17
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	11	0.17
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	12	0.17
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	13	0.17
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	15	0.17
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	16	0.17
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	19	0.17
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	19	0.17
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	1	0.17
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	2	0.17
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	3	0.17
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	4	0.17
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	5	0.17
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	6	0.17
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	8	0.17
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	9	0.17
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	10	0.17
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	11	0.17
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	12	0.17
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	13	0.17
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	14	0.17
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	16	0.17
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	17	0.17
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	18	0.17
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	19	0.17
(1,243)	1:810:A:LYS:HA	1:810:A:LYS:HG3	11	0.17
(1,235)	1:818:A:THR:H	1:818:A:THR:HG21	4	0.17
(1,235)	1:818:A:THR:H	1:818:A:THR:HG22	4	0.17
(1,235)	1:818:A:THR:H	1:818:A:THR:HG23	4	0.17
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	4	0.17
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	3	0.17
(1,163)	1:775:A:LYS:HA	1:775:A:LYS:HG2	11	0.17
(1,110)	1:785:A:ASN:HA	1:814:A:THR:HA	1	0.17
(1,110)	1:785:A:ASN:HA	1:814:A:THR:HA	2	0.17
(1,108)	1:802:A:GLN:HA	1:802:A:GLN:HG2	7	0.17
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	1	0.17
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	8	0.17
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	10	0.17
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:845:A:LEU:HB3	1:845:A:LEU:HG	8	0.17
(1,31)	1:845:A:LEU:HB3	1:845:A:LEU:HG	18	0.17
(1,31)	1:845:A:LEU:HB3	1:845:A:LEU:HG	20	0.17
(1,25)	1:781:A:ASN:HA	1:781:A:ASN:HB2	10	0.17
(1,9)	1:740:A:LYS:H	1:740:A:LYS:HD3	10	0.17
(1,1463)	1:834:A:ASN:HB2	1:836:A:LYS:H	16	0.16
(1,1463)	1:834:A:ASN:HB3	1:836:A:LYS:H	16	0.16
(1,1431)	1:816:A:LYS:HB2	1:832:A:THR:HB	13	0.16
(1,1431)	1:816:A:LYS:HB3	1:832:A:THR:HB	13	0.16
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB1	14	0.16
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB2	14	0.16
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB3	14	0.16
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB1	14	0.16
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB2	14	0.16
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB3	14	0.16
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG21	10	0.16
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG22	10	0.16
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG23	10	0.16
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG21	10	0.16
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG22	10	0.16
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG23	10	0.16
(1,1339)	1:784:A:TYR:HB2	1:846:A:THR:H	17	0.16
(1,1339)	1:784:A:TYR:HB3	1:846:A:THR:H	17	0.16
(1,1334)	1:783:A:THR:HA	1:816:A:LYS:HG2	10	0.16
(1,1334)	1:783:A:THR:HA	1:816:A:LYS:HG3	10	0.16
(1,1330)	1:782:A:GLN:HB2	1:783:A:THR:H	7	0.16
(1,1330)	1:782:A:GLN:HB3	1:783:A:THR:H	7	0.16
(1,1278)	1:754:A:ASP:HB2	1:757:A:THR:H	11	0.16
(1,1278)	1:754:A:ASP:HB3	1:757:A:THR:H	11	0.16
(1,1243)	1:744:A:LEU:HB2	1:747:A:LYS:H	10	0.16
(1,1243)	1:744:A:LEU:HB3	1:747:A:LYS:H	10	0.16
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD11	7	0.16
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD12	7	0.16
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD13	7	0.16
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD21	7	0.16
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD22	7	0.16
(1,1242)	1:744:A:LEU:HA	1:744:A:LEU:HD23	7	0.16
(1,1217)	1:737:A:SER:HB2	1:753:A:GLY:H	6	0.16
(1,1217)	1:737:A:SER:HB3	1:753:A:GLY:H	6	0.16
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD11	6	0.16
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD12	6	0.16
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD13	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD21	6	0.16
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD22	6	0.16
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD23	6	0.16
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD11	6	0.16
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD12	6	0.16
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD13	6	0.16
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD21	6	0.16
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD22	6	0.16
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD23	6	0.16
(1,1166)	1:717:A:LEU:HD11	1:764:A:VAL:HB	10	0.16
(1,1166)	1:717:A:LEU:HD12	1:764:A:VAL:HB	10	0.16
(1,1166)	1:717:A:LEU:HD13	1:764:A:VAL:HB	10	0.16
(1,1166)	1:717:A:LEU:HD21	1:764:A:VAL:HB	10	0.16
(1,1166)	1:717:A:LEU:HD22	1:764:A:VAL:HB	10	0.16
(1,1166)	1:717:A:LEU:HD23	1:764:A:VAL:HB	10	0.16
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA2	18	0.16
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA3	18	0.16
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA2	18	0.16
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA3	18	0.16
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG11	12	0.16
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG12	12	0.16
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG13	12	0.16
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG21	12	0.16
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG22	12	0.16
(1,1134)	1:708:A:ALA:HB1	1:769:A:VAL:HG23	12	0.16
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG11	12	0.16
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG12	12	0.16
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG13	12	0.16
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG21	12	0.16
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG22	12	0.16
(1,1134)	1:708:A:ALA:HB2	1:769:A:VAL:HG23	12	0.16
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG11	12	0.16
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG12	12	0.16
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG13	12	0.16
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG21	12	0.16
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG22	12	0.16
(1,1134)	1:708:A:ALA:HB3	1:769:A:VAL:HG23	12	0.16
(1,1124)	1:707:A:VAL:HG11	1:708:A:ALA:HA	18	0.16
(1,1124)	1:707:A:VAL:HG12	1:708:A:ALA:HA	18	0.16
(1,1124)	1:707:A:VAL:HG13	1:708:A:ALA:HA	18	0.16
(1,1124)	1:707:A:VAL:HG21	1:708:A:ALA:HA	18	0.16
(1,1124)	1:707:A:VAL:HG22	1:708:A:ALA:HA	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1124)	1:707:A:VAL:HG23	1:708:A:ALA:HA	18	0.16
(1,1118)	1:706:A:GLY:HA2	1:772:A:ASN:H	2	0.16
(1,1118)	1:706:A:GLY:HA3	1:772:A:ASN:H	2	0.16
(1,1118)	1:706:A:GLY:HA2	1:772:A:ASN:H	18	0.16
(1,1118)	1:706:A:GLY:HA3	1:772:A:ASN:H	18	0.16
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB1	1	0.16
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB2	1	0.16
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB3	1	0.16
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB1	1	0.16
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB2	1	0.16
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB3	1	0.16
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB1	1	0.16
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB2	1	0.16
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB3	1	0.16
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB1	1	0.16
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB2	1	0.16
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB3	1	0.16
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB1	1	0.16
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB2	1	0.16
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB3	1	0.16
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB1	1	0.16
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB2	1	0.16
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB3	1	0.16
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE1	1	0.16
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE2	1	0.16
(1,1056)	1:750:A:TYR:HA	1:750:A:TYR:HD1	13	0.16
(1,1056)	1:750:A:TYR:HA	1:750:A:TYR:HD2	13	0.16
(1,995)	1:754:A:ASP:H	1:761:A:TYR:H	14	0.16
(1,963)	1:737:A:SER:H	1:737:A:SER:HB2	10	0.16
(1,963)	1:737:A:SER:H	1:737:A:SER:HB2	16	0.16
(1,963)	1:737:A:SER:H	1:737:A:SER:HB2	19	0.16
(1,963)	1:737:A:SER:H	1:737:A:SER:HB2	20	0.16
(1,933)	1:709:A:GLN:H	1:771:A:TYR:HA	8	0.16
(1,919)	1:789:A:GLY:H	1:807:A:VAL:H	9	0.16
(1,856)	1:828:A:TYR:H	1:828:A:TYR:HE1	9	0.16
(1,856)	1:828:A:TYR:H	1:828:A:TYR:HE2	9	0.16
(1,835)	1:817:A:ALA:HB1	1:819:A:LYS:H	14	0.16
(1,835)	1:817:A:ALA:HB2	1:819:A:LYS:H	14	0.16
(1,835)	1:817:A:ALA:HB3	1:819:A:LYS:H	14	0.16
(1,832)	1:775:A:LYS:HA	1:776:A:SER:H	3	0.16
(1,830)	1:718:A:TYR:H	1:763:A:TRP:H	10	0.16
(1,823)	1:780:A:ILE:HD11	1:781:A:ASN:H	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:780:A:ILE:HD12	1:781:A:ASN:H	10	0.16
(1,823)	1:780:A:ILE:HD13	1:781:A:ASN:H	10	0.16
(1,788)	1:781:A:ASN:HA	1:782:A:GLN:H	18	0.16
(1,761)	1:756:A:ASN:H	1:758:A:GLY:H	13	0.16
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG21	17	0.16
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG22	17	0.16
(1,732)	1:716:A:GLY:H	1:729:A:THR:HG23	17	0.16
(1,681)	1:722:A:TYR:H	1:722:A:TYR:HD1	13	0.16
(1,681)	1:722:A:TYR:H	1:722:A:TYR:HD2	13	0.16
(1,638)	1:748:A:LYS:HA	1:748:A:LYS:HG3	17	0.16
(1,601)	1:799:A:THR:HA	1:799:A:THR:HB	1	0.16
(1,596)	1:735:A:THR:HA	1:735:A:THR:HG21	17	0.16
(1,596)	1:735:A:THR:HA	1:735:A:THR:HG22	17	0.16
(1,596)	1:735:A:THR:HA	1:735:A:THR:HG23	17	0.16
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	17	0.16
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	17	0.16
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	17	0.16
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	17	0.16
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	17	0.16
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	17	0.16
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	17	0.16
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	17	0.16
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	17	0.16
(1,532)	1:765:A:LYS:HA	1:765:A:LYS:HG3	19	0.16
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	6	0.16
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	9	0.16
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	18	0.16
(1,492)	1:727:A:LYS:HB3	1:727:A:LYS:HD3	7	0.16
(1,492)	1:727:A:LYS:HB3	1:727:A:LYS:HD3	13	0.16
(1,488)	1:725:A:LYS:HA	1:725:A:LYS:HB2	1	0.16
(1,488)	1:725:A:LYS:HA	1:725:A:LYS:HB2	4	0.16
(1,488)	1:725:A:LYS:HA	1:725:A:LYS:HB2	18	0.16
(1,488)	1:725:A:LYS:HA	1:725:A:LYS:HB2	19	0.16
(1,475)	1:819:A:LYS:HB3	1:819:A:LYS:HG2	5	0.16
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	7	0.16
(1,430)	1:825:A:LYS:HB3	1:825:A:LYS:HD2	17	0.16
(1,413)	1:713:A:LYS:HB2	1:713:A:LYS:HE3	13	0.16
(1,400)	1:755:A:TYR:HA	1:755:A:TYR:HD1	5	0.16
(1,400)	1:755:A:TYR:HA	1:755:A:TYR:HD2	5	0.16
(1,388)	1:748:A:LYS:H	1:748:A:LYS:HB2	8	0.16
(1,388)	1:748:A:LYS:H	1:748:A:LYS:HB2	11	0.16
(1,388)	1:748:A:LYS:H	1:748:A:LYS:HB2	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	12	0.16
(1,383)	1:778:A:VAL:HG21	1:779:A:LYS:H	19	0.16
(1,383)	1:778:A:VAL:HG22	1:779:A:LYS:H	19	0.16
(1,383)	1:778:A:VAL:HG23	1:779:A:LYS:H	19	0.16
(1,379)	1:825:A:LYS:HB2	1:825:A:LYS:HD3	3	0.16
(1,369)	1:765:A:LYS:HB2	1:765:A:LYS:HE3	5	0.16
(1,364)	1:823:A:ILE:HB	1:826:A:ALA:H	8	0.16
(1,353)	1:817:A:ALA:HB1	1:830:A:TYR:H	15	0.16
(1,353)	1:817:A:ALA:HB2	1:830:A:TYR:H	15	0.16
(1,353)	1:817:A:ALA:HB3	1:830:A:TYR:H	15	0.16
(1,351)	1:711:A:ASN:H	1:769:A:VAL:HA	13	0.16
(1,339)	1:811:A:GLY:HA3	1:812:A:ASP:H	7	0.16
(1,292)	1:709:A:GLN:HA	1:709:A:GLN:HG2	9	0.16
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	2	0.16
(1,272)	1:803:A:VAL:HA	1:803:A:VAL:HB	20	0.16
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	13	0.16
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	15	0.16
(1,260)	1:701:A:VAL:HA	1:701:A:VAL:HB	20	0.16
(1,243)	1:810:A:LYS:HA	1:810:A:LYS:HG3	3	0.16
(1,235)	1:818:A:THR:H	1:818:A:THR:HG21	13	0.16
(1,235)	1:818:A:THR:H	1:818:A:THR:HG22	13	0.16
(1,235)	1:818:A:THR:H	1:818:A:THR:HG23	13	0.16
(1,235)	1:818:A:THR:H	1:818:A:THR:HG21	20	0.16
(1,235)	1:818:A:THR:H	1:818:A:THR:HG22	20	0.16
(1,235)	1:818:A:THR:H	1:818:A:THR:HG23	20	0.16
(1,229)	1:705:A:SER:HA	1:739:A:THR:HA	10	0.16
(1,224)	1:732:A:ILE:HD11	1:733:A:GLN:H	5	0.16
(1,224)	1:732:A:ILE:HD12	1:733:A:GLN:H	5	0.16
(1,224)	1:732:A:ILE:HD13	1:733:A:GLN:H	5	0.16
(1,196)	1:710:A:ILE:HA	1:770:A:ILE:H	19	0.16
(1,176)	1:709:A:GLN:HB2	1:734:A:ARG:H	10	0.16
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	16	0.16
(1,164)	1:829:A:LEU:H	1:839:A:TRP:HA	7	0.16
(1,163)	1:775:A:LYS:HA	1:775:A:LYS:HG2	19	0.16
(1,136)	1:740:A:LYS:HB2	1:740:A:LYS:HD2	2	0.16
(1,126)	1:703:A:ASN:HA	1:740:A:LYS:HA	9	0.16
(1,103)	1:780:A:ILE:HD11	1:817:A:ALA:HB1	13	0.16
(1,103)	1:780:A:ILE:HD11	1:817:A:ALA:HB2	13	0.16
(1,103)	1:780:A:ILE:HD11	1:817:A:ALA:HB3	13	0.16
(1,103)	1:780:A:ILE:HD12	1:817:A:ALA:HB1	13	0.16
(1,103)	1:780:A:ILE:HD12	1:817:A:ALA:HB2	13	0.16
(1,103)	1:780:A:ILE:HD12	1:817:A:ALA:HB3	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:780:A:ILE:HD13	1:817:A:ALA:HB1	13	0.16
(1,103)	1:780:A:ILE:HD13	1:817:A:ALA:HB2	13	0.16
(1,103)	1:780:A:ILE:HD13	1:817:A:ALA:HB3	13	0.16
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	9	0.16
(1,31)	1:845:A:LEU:HB3	1:845:A:LEU:HG	15	0.16
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	8	0.16
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	8	0.16
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	8	0.16
(1,9)	1:740:A:LYS:H	1:740:A:LYS:HD3	17	0.16
(1,3)	1:709:A:GLN:HA	1:709:A:GLN:HG3	7	0.16
(1,3)	1:709:A:GLN:HA	1:709:A:GLN:HG3	13	0.16
(1,3)	1:709:A:GLN:HA	1:709:A:GLN:HG3	19	0.16
(1,3)	1:709:A:GLN:HA	1:709:A:GLN:HG3	20	0.16
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD11	11	0.15
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD12	11	0.15
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD13	11	0.15
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD21	11	0.15
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD22	11	0.15
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD23	11	0.15
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB2	7	0.15
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB3	7	0.15
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB2	10	0.15
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB3	10	0.15
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	2	0.15
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	2	0.15
(1,1388)	1:792:A:LEU:HD11	1:833:A:VAL:H	11	0.15
(1,1388)	1:792:A:LEU:HD12	1:833:A:VAL:H	11	0.15
(1,1388)	1:792:A:LEU:HD13	1:833:A:VAL:H	11	0.15
(1,1388)	1:792:A:LEU:HD21	1:833:A:VAL:H	11	0.15
(1,1388)	1:792:A:LEU:HD22	1:833:A:VAL:H	11	0.15
(1,1388)	1:792:A:LEU:HD23	1:833:A:VAL:H	11	0.15
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG11	1	0.15
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG12	1	0.15
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG13	1	0.15
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG21	1	0.15
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG22	1	0.15
(1,1370)	1:790:A:VAL:HB	1:807:A:VAL:HG23	1	0.15
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG21	2	0.15
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG22	2	0.15
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG23	2	0.15
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG21	2	0.15
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG22	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG23	2	0.15
(1,1335)	1:784:A:TYR:H	1:815:A:PHE:HB2	8	0.15
(1,1335)	1:784:A:TYR:H	1:815:A:PHE:HB3	8	0.15
(1,1330)	1:782:A:GLN:HB2	1:783:A:THR:H	3	0.15
(1,1330)	1:782:A:GLN:HB3	1:783:A:THR:H	3	0.15
(1,1321)	1:778:A:VAL:HG11	1:820:A:GLN:H	14	0.15
(1,1321)	1:778:A:VAL:HG12	1:820:A:GLN:H	14	0.15
(1,1321)	1:778:A:VAL:HG13	1:820:A:GLN:H	14	0.15
(1,1321)	1:778:A:VAL:HG21	1:820:A:GLN:H	14	0.15
(1,1321)	1:778:A:VAL:HG22	1:820:A:GLN:H	14	0.15
(1,1321)	1:778:A:VAL:HG23	1:820:A:GLN:H	14	0.15
(1,1311)	1:775:A:LYS:H	1:822:A:GLN:HB2	20	0.15
(1,1311)	1:775:A:LYS:H	1:822:A:GLN:HB3	20	0.15
(1,1303)	1:767:A:ASP:HB2	1:769:A:VAL:H	2	0.15
(1,1303)	1:767:A:ASP:HB3	1:769:A:VAL:H	2	0.15
(1,1303)	1:767:A:ASP:HB2	1:769:A:VAL:H	8	0.15
(1,1303)	1:767:A:ASP:HB3	1:769:A:VAL:H	8	0.15
(1,1275)	1:753:A:GLY:HA2	1:762:A:GLY:H	8	0.15
(1,1275)	1:753:A:GLY:HA3	1:762:A:GLY:H	8	0.15
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB2	11	0.15
(1,1274)	1:753:A:GLY:HA2	1:761:A:TYR:HB3	11	0.15
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB2	11	0.15
(1,1274)	1:753:A:GLY:HA3	1:761:A:TYR:HB3	11	0.15
(1,1217)	1:737:A:SER:HB2	1:753:A:GLY:H	19	0.15
(1,1217)	1:737:A:SER:HB3	1:753:A:GLY:H	19	0.15
(1,1202)	1:725:A:LYS:HG2	1:726:A:GLY:H	4	0.15
(1,1202)	1:725:A:LYS:HG3	1:726:A:GLY:H	4	0.15
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG2	17	0.15
(1,1179)	1:719:A:THR:H	1:727:A:LYS:HG3	17	0.15
(1,1147)	1:711:A:ASN:HB2	1:713:A:LYS:HB2	6	0.15
(1,1147)	1:711:A:ASN:HB2	1:713:A:LYS:HB3	6	0.15
(1,1147)	1:711:A:ASN:HB3	1:713:A:LYS:HB2	6	0.15
(1,1147)	1:711:A:ASN:HB3	1:713:A:LYS:HB3	6	0.15
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB1	8	0.15
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB2	8	0.15
(1,1104)	1:701:A:VAL:HG11	1:742:A:ALA:HB3	8	0.15
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB1	8	0.15
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB2	8	0.15
(1,1104)	1:701:A:VAL:HG12	1:742:A:ALA:HB3	8	0.15
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB1	8	0.15
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB2	8	0.15
(1,1104)	1:701:A:VAL:HG13	1:742:A:ALA:HB3	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB1	8	0.15
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB2	8	0.15
(1,1104)	1:701:A:VAL:HG21	1:742:A:ALA:HB3	8	0.15
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB1	8	0.15
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB2	8	0.15
(1,1104)	1:701:A:VAL:HG22	1:742:A:ALA:HB3	8	0.15
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB1	8	0.15
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB2	8	0.15
(1,1104)	1:701:A:VAL:HG23	1:742:A:ALA:HB3	8	0.15
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG11	7	0.15
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG12	7	0.15
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG13	7	0.15
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG21	7	0.15
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG22	7	0.15
(1,1098)	1:699:A:LEU:HG	1:701:A:VAL:HG23	7	0.15
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE1	15	0.15
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE2	15	0.15
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE1	18	0.15
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE2	18	0.15
(1,1075)	1:797:A:TRP:H	1:797:A:TRP:HD1	2	0.15
(1,1020)	1:741:A:ALA:HA	1:742:A:ALA:H	2	0.15
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	18	0.15
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	18	0.15
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	18	0.15
(1,969)	1:748:A:LYS:H	1:748:A:LYS:HG3	15	0.15
(1,963)	1:737:A:SER:H	1:737:A:SER:HB2	8	0.15
(1,963)	1:737:A:SER:H	1:737:A:SER:HB2	17	0.15
(1,953)	1:717:A:LEU:H	1:727:A:LYS:H	17	0.15
(1,881)	1:817:A:ALA:HA	1:832:A:THR:H	8	0.15
(1,875)	1:794:A:THR:H	1:803:A:VAL:HA	7	0.15
(1,856)	1:828:A:TYR:H	1:828:A:TYR:HE1	4	0.15
(1,856)	1:828:A:TYR:H	1:828:A:TYR:HE2	4	0.15
(1,842)	1:737:A:SER:H	1:755:A:TYR:H	9	0.15
(1,842)	1:737:A:SER:H	1:755:A:TYR:H	14	0.15
(1,835)	1:817:A:ALA:HB1	1:819:A:LYS:H	12	0.15
(1,835)	1:817:A:ALA:HB2	1:819:A:LYS:H	12	0.15
(1,835)	1:817:A:ALA:HB3	1:819:A:LYS:H	12	0.15
(1,830)	1:718:A:TYR:H	1:763:A:TRP:H	9	0.15
(1,828)	1:781:A:ASN:H	1:781:A:ASN:HB3	13	0.15
(1,828)	1:781:A:ASN:H	1:781:A:ASN:HB3	15	0.15
(1,781)	1:713:A:LYS:H	1:713:A:LYS:HG3	12	0.15
(1,781)	1:713:A:LYS:H	1:713:A:LYS:HG3	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,741)	1:822:A:GLN:H	1:822:A:GLN:HB3	17	0.15
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	1	0.15
(1,702)	1:821:A:GLN:H	1:829:A:LEU:HG	4	0.15
(1,589)	1:749:A:PHE:HA	1:765:A:LYS:HA	12	0.15
(1,589)	1:749:A:PHE:HA	1:765:A:LYS:HA	15	0.15
(1,587)	1:764:A:VAL:H	1:765:A:LYS:HA	11	0.15
(1,587)	1:764:A:VAL:H	1:765:A:LYS:HA	20	0.15
(1,569)	1:757:A:THR:HA	1:757:A:THR:HB	14	0.15
(1,533)	1:840:A:ILE:H	1:840:A:ILE:HG13	11	0.15
(1,526)	1:781:A:ASN:HA	1:818:A:THR:HA	17	0.15
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	1	0.15
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	2	0.15
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	3	0.15
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	5	0.15
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	7	0.15
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	10	0.15
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	11	0.15
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	13	0.15
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	14	0.15
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	15	0.15
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	16	0.15
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	17	0.15
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	19	0.15
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	20	0.15
(1,495)	1:779:A:LYS:HA	1:819:A:LYS:HA	7	0.15
(1,488)	1:725:A:LYS:HA	1:725:A:LYS:HB2	12	0.15
(1,488)	1:725:A:LYS:HA	1:725:A:LYS:HB2	15	0.15
(1,488)	1:725:A:LYS:HA	1:725:A:LYS:HB2	16	0.15
(1,474)	1:819:A:LYS:HA	1:819:A:LYS:HG2	4	0.15
(1,453)	1:822:A:GLN:HA	1:822:A:GLN:HB2	13	0.15
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	11	0.15
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	11	0.15
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	11	0.15
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG21	1	0.15
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG22	1	0.15
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG23	1	0.15
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	14	0.15
(1,386)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	7	0.15
(1,365)	1:823:A:ILE:H	1:823:A:ILE:HB	12	0.15
(1,362)	1:837:A:SER:HA	1:837:A:SER:HB2	1	0.15
(1,362)	1:837:A:SER:HA	1:837:A:SER:HB2	3	0.15
(1,362)	1:837:A:SER:HA	1:837:A:SER:HB2	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,362)	1:837:A:SER:HA	1:837:A:SER:HB2	19	0.15
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	3	0.15
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	6	0.15
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	15	0.15
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	19	0.15
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	3	0.15
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	4	0.15
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	7	0.15
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	8	0.15
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	19	0.15
(1,292)	1:709:A:GLN:HA	1:709:A:GLN:HG2	4	0.15
(1,283)	1:790:A:VAL:HB	1:807:A:VAL:HB	15	0.15
(1,255)	1:713:A:LYS:HA	1:714:A:ASN:H	16	0.15
(1,252)	1:713:A:LYS:HA	1:713:A:LYS:HG2	10	0.15
(1,252)	1:713:A:LYS:HA	1:713:A:LYS:HG2	16	0.15
(1,239)	1:704:A:ASN:HB2	1:741:A:ALA:HB1	2	0.15
(1,239)	1:704:A:ASN:HB2	1:741:A:ALA:HB2	2	0.15
(1,239)	1:704:A:ASN:HB2	1:741:A:ALA:HB3	2	0.15
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	8	0.15
(1,177)	1:709:A:GLN:HB2	1:709:A:GLN:HG2	7	0.15
(1,136)	1:740:A:LYS:HB2	1:740:A:LYS:HD2	7	0.15
(1,133)	1:832:A:THR:HG21	1:836:A:LYS:H	9	0.15
(1,133)	1:832:A:THR:HG22	1:836:A:LYS:H	9	0.15
(1,133)	1:832:A:THR:HG23	1:836:A:LYS:H	9	0.15
(1,130)	1:748:A:LYS:HA	1:748:A:LYS:HB3	6	0.15
(1,110)	1:785:A:ASN:HA	1:814:A:THR:HA	10	0.15
(1,68)	1:845:A:LEU:HA	1:845:A:LEU:HB2	19	0.15
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG21	17	0.15
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG22	17	0.15
(1,65)	1:756:A:ASN:H	1:757:A:THR:HG23	17	0.15
(1,30)	1:845:A:LEU:HA	1:845:A:LEU:HG	9	0.15
(1,30)	1:845:A:LEU:HA	1:845:A:LEU:HG	11	0.15
(1,25)	1:781:A:ASN:HA	1:781:A:ASN:HB2	1	0.15
(1,9)	1:740:A:LYS:H	1:740:A:LYS:HD3	1	0.15
(1,9)	1:740:A:LYS:H	1:740:A:LYS:HD3	13	0.15
(1,3)	1:709:A:GLN:HA	1:709:A:GLN:HG3	1	0.15
(1,3)	1:709:A:GLN:HA	1:709:A:GLN:HG3	16	0.15
(1,1457)	1:829:A:LEU:HD11	1:842:A:LYS:H	20	0.14
(1,1457)	1:829:A:LEU:HD12	1:842:A:LYS:H	20	0.14
(1,1457)	1:829:A:LEU:HD13	1:842:A:LYS:H	20	0.14
(1,1457)	1:829:A:LEU:HD21	1:842:A:LYS:H	20	0.14
(1,1457)	1:829:A:LEU:HD22	1:842:A:LYS:H	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1457)	1:829:A:LEU:HD23	1:842:A:LYS:H	20	0.14
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG21	20	0.14
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG22	20	0.14
(1,1439)	1:820:A:GLN:HB2	1:827:A:THR:HG23	20	0.14
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG21	20	0.14
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG22	20	0.14
(1,1439)	1:820:A:GLN:HB3	1:827:A:THR:HG23	20	0.14
(1,1426)	1:816:A:LYS:H	1:816:A:LYS:HE2	3	0.14
(1,1426)	1:816:A:LYS:H	1:816:A:LYS:HE3	3	0.14
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG11	13	0.14
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG12	13	0.14
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG13	13	0.14
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG21	13	0.14
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG22	13	0.14
(1,1423)	1:813:A:GLN:HB2	1:833:A:VAL:HG23	13	0.14
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG11	13	0.14
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG12	13	0.14
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG13	13	0.14
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG21	13	0.14
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG22	13	0.14
(1,1423)	1:813:A:GLN:HB3	1:833:A:VAL:HG23	13	0.14
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG21	9	0.14
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG22	9	0.14
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG23	9	0.14
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG21	9	0.14
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG22	9	0.14
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG23	9	0.14
(1,1303)	1:767:A:ASP:HB2	1:769:A:VAL:H	14	0.14
(1,1303)	1:767:A:ASP:HB3	1:769:A:VAL:H	14	0.14
(1,1288)	1:760:A:ASN:H	1:760:A:ASN:HB2	13	0.14
(1,1288)	1:760:A:ASN:H	1:760:A:ASN:HB3	13	0.14
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG11	13	0.14
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG12	13	0.14
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG13	13	0.14
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG21	13	0.14
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG22	13	0.14
(1,1286)	1:756:A:ASN:H	1:795:A:VAL:HG23	13	0.14
(1,1243)	1:744:A:LEU:HB2	1:747:A:LYS:H	11	0.14
(1,1243)	1:744:A:LEU:HB3	1:747:A:LYS:H	11	0.14
(1,1215)	1:736:A:LEU:HB2	1:752:A:VAL:HB	6	0.14
(1,1215)	1:736:A:LEU:HB3	1:752:A:VAL:HB	6	0.14
(1,1215)	1:736:A:LEU:HB2	1:752:A:VAL:HB	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1215)	1:736:A:LEU:HB3	1:752:A:VAL:HB	12	0.14
(1,1139)	1:709:A:GLN:HG2	1:770:A:ILE:HB	10	0.14
(1,1139)	1:709:A:GLN:HG3	1:770:A:ILE:HB	10	0.14
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD11	10	0.14
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD12	10	0.14
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD13	10	0.14
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD21	10	0.14
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD22	10	0.14
(1,1101)	1:699:A:LEU:HD11	1:744:A:LEU:HD23	10	0.14
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD11	10	0.14
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD12	10	0.14
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD13	10	0.14
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD21	10	0.14
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD22	10	0.14
(1,1101)	1:699:A:LEU:HD12	1:744:A:LEU:HD23	10	0.14
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD11	10	0.14
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD12	10	0.14
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD13	10	0.14
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD21	10	0.14
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD22	10	0.14
(1,1101)	1:699:A:LEU:HD13	1:744:A:LEU:HD23	10	0.14
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD11	10	0.14
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD12	10	0.14
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD13	10	0.14
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD21	10	0.14
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD22	10	0.14
(1,1101)	1:699:A:LEU:HD21	1:744:A:LEU:HD23	10	0.14
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD11	10	0.14
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD12	10	0.14
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD13	10	0.14
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD21	10	0.14
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD22	10	0.14
(1,1101)	1:699:A:LEU:HD22	1:744:A:LEU:HD23	10	0.14
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD11	10	0.14
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD12	10	0.14
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD13	10	0.14
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD21	10	0.14
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD22	10	0.14
(1,1101)	1:699:A:LEU:HD23	1:744:A:LEU:HD23	10	0.14
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD11	15	0.14
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD12	15	0.14
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD13	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD21	15	0.14
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD22	15	0.14
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD23	15	0.14
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE1	2	0.14
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE2	2	0.14
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE1	19	0.14
(1,1083)	1:844:A:TYR:H	1:844:A:TYR:HE2	19	0.14
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE1	1	0.14
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE2	1	0.14
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE1	1	0.14
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE2	1	0.14
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE1	1	0.14
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE2	1	0.14
(1,1038)	1:793:A:HIS:HA	1:793:A:HIS:HD2	16	0.14
(1,1020)	1:741:A:ALA:HA	1:742:A:ALA:H	20	0.14
(1,1016)	1:799:A:THR:HB	1:800:A:TYR:H	14	0.14
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	3	0.14
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	3	0.14
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	3	0.14
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	7	0.14
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	7	0.14
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	7	0.14
(1,963)	1:737:A:SER:H	1:737:A:SER:HB2	14	0.14
(1,923)	1:780:A:ILE:H	1:818:A:THR:HA	12	0.14
(1,872)	1:794:A:THR:H	1:804:A:ALA:H	17	0.14
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	3	0.14
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	5	0.14
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	7	0.14
(1,858)	1:822:A:GLN:HA	1:828:A:TYR:H	4	0.14
(1,790)	1:780:A:ILE:HD11	1:782:A:GLN:H	6	0.14
(1,790)	1:780:A:ILE:HD12	1:782:A:GLN:H	6	0.14
(1,790)	1:780:A:ILE:HD13	1:782:A:GLN:H	6	0.14
(1,790)	1:780:A:ILE:HD11	1:782:A:GLN:H	20	0.14
(1,790)	1:780:A:ILE:HD12	1:782:A:GLN:H	20	0.14
(1,790)	1:780:A:ILE:HD13	1:782:A:GLN:H	20	0.14
(1,781)	1:713:A:LYS:H	1:713:A:LYS:HG3	4	0.14
(1,773)	1:778:A:VAL:H	1:820:A:GLN:H	19	0.14
(1,709)	1:793:A:HIS:H	1:793:A:HIS:HD2	5	0.14
(1,635)	1:717:A:LEU:HA	1:764:A:VAL:HA	1	0.14
(1,625)	1:713:A:LYS:HB3	1:713:A:LYS:HD2	12	0.14
(1,616)	1:725:A:LYS:HA	1:725:A:LYS:HB3	10	0.14
(1,615)	1:725:A:LYS:HA	1:726:A:GLY:H	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:757:A:THR:HA	1:757:A:THR:HB	13	0.14
(1,533)	1:840:A:ILE:H	1:840:A:ILE:HG13	6	0.14
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	4	0.14
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	8	0.14
(1,501)	1:843:A:TYR:HA	1:843:A:TYR:HB2	12	0.14
(1,492)	1:727:A:LYS:HB3	1:727:A:LYS:HD3	4	0.14
(1,492)	1:727:A:LYS:HB3	1:727:A:LYS:HD3	14	0.14
(1,492)	1:727:A:LYS:HB3	1:727:A:LYS:HD3	17	0.14
(1,488)	1:725:A:LYS:HA	1:725:A:LYS:HB2	2	0.14
(1,486)	1:725:A:LYS:HA	1:725:A:LYS:HG3	14	0.14
(1,466)	1:747:A:LYS:H	1:747:A:LYS:HG2	8	0.14
(1,458)	1:744:A:LEU:HA	1:744:A:LEU:HG	2	0.14
(1,453)	1:822:A:GLN:HA	1:822:A:GLN:HB2	18	0.14
(1,445)	1:836:A:LYS:HA	1:836:A:LYS:HG2	9	0.14
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	10	0.14
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG21	9	0.14
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG22	9	0.14
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG23	9	0.14
(1,417)	1:728:A:THR:HA	1:728:A:THR:HB	19	0.14
(1,400)	1:755:A:TYR:HA	1:755:A:TYR:HD1	17	0.14
(1,400)	1:755:A:TYR:HA	1:755:A:TYR:HD2	17	0.14
(1,362)	1:837:A:SER:HA	1:837:A:SER:HB2	4	0.14
(1,362)	1:837:A:SER:HA	1:837:A:SER:HB2	6	0.14
(1,362)	1:837:A:SER:HA	1:837:A:SER:HB2	8	0.14
(1,362)	1:837:A:SER:HA	1:837:A:SER:HB2	17	0.14
(1,360)	1:837:A:SER:HA	1:837:A:SER:HB3	13	0.14
(1,358)	1:831:A:GLY:H	1:837:A:SER:HA	16	0.14
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	7	0.14
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB1	7	0.14
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB2	7	0.14
(1,335)	1:823:A:ILE:H	1:826:A:ALA:HB3	7	0.14
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	2	0.14
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	5	0.14
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	9	0.14
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	10	0.14
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	11	0.14
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	12	0.14
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	13	0.14
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	14	0.14
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	15	0.14
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	16	0.14
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	18	0.14
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	20	0.14
(1,292)	1:709:A:GLN:HA	1:709:A:GLN:HG2	5	0.14
(1,292)	1:709:A:GLN:HA	1:709:A:GLN:HG2	6	0.14
(1,292)	1:709:A:GLN:HA	1:709:A:GLN:HG2	14	0.14
(1,252)	1:713:A:LYS:HA	1:713:A:LYS:HG2	4	0.14
(1,252)	1:713:A:LYS:HA	1:713:A:LYS:HG2	8	0.14
(1,243)	1:810:A:LYS:HA	1:810:A:LYS:HG3	9	0.14
(1,228)	1:751:A:LEU:HA	1:763:A:TRP:HA	6	0.14
(1,211)	1:752:A:VAL:H	1:764:A:VAL:HB	1	0.14
(1,206)	1:713:A:LYS:HA	1:713:A:LYS:HE2	18	0.14
(1,206)	1:713:A:LYS:HA	1:713:A:LYS:HE2	20	0.14
(1,177)	1:709:A:GLN:HB2	1:709:A:GLN:HG2	4	0.14
(1,177)	1:709:A:GLN:HB2	1:709:A:GLN:HG2	14	0.14
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	6	0.14
(1,169)	1:728:A:THR:H	1:728:A:THR:HB	13	0.14
(1,148)	1:734:A:ARG:HA	1:734:A:ARG:HG3	14	0.14
(1,132)	1:787:A:LYS:HA	1:812:A:ASP:HA	19	0.14
(1,99)	1:810:A:LYS:HB2	1:810:A:LYS:HG2	20	0.14
(1,93)	1:732:A:ILE:HA	1:732:A:ILE:HB	3	0.14
(1,93)	1:732:A:ILE:HA	1:732:A:ILE:HB	6	0.14
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	13	0.14
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	8	0.14
(1,68)	1:845:A:LEU:HA	1:845:A:LEU:HB2	16	0.14
(1,30)	1:845:A:LEU:HA	1:845:A:LEU:HG	6	0.14
(1,29)	1:813:A:GLN:HA	1:813:A:GLN:HG2	7	0.14
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	18	0.14
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	18	0.14
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	18	0.14
(1,9)	1:740:A:LYS:H	1:740:A:LYS:HD3	9	0.14
(1,4)	1:709:A:GLN:HB3	1:709:A:GLN:HG3	6	0.14
(1,4)	1:709:A:GLN:HB3	1:709:A:GLN:HG3	7	0.14
(1,4)	1:709:A:GLN:HB3	1:709:A:GLN:HG3	14	0.14
(1,3)	1:709:A:GLN:HA	1:709:A:GLN:HG3	12	0.14
(1,1419)	1:808:A:SER:HB2	1:809:A:GLY:H	2	0.13
(1,1419)	1:808:A:SER:HB3	1:809:A:GLY:H	2	0.13
(1,1381)	1:792:A:LEU:HB2	1:804:A:ALA:H	2	0.13
(1,1381)	1:792:A:LEU:HB3	1:804:A:ALA:H	2	0.13
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG21	19	0.13
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG22	19	0.13
(1,1366)	1:789:A:GLY:HA2	1:806:A:THR:HG23	19	0.13
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG21	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG22	19	0.13
(1,1366)	1:789:A:GLY:HA3	1:806:A:THR:HG23	19	0.13
(1,1355)	1:786:A:VAL:HG11	1:813:A:GLN:HB2	10	0.13
(1,1355)	1:786:A:VAL:HG11	1:813:A:GLN:HB3	10	0.13
(1,1355)	1:786:A:VAL:HG12	1:813:A:GLN:HB2	10	0.13
(1,1355)	1:786:A:VAL:HG12	1:813:A:GLN:HB3	10	0.13
(1,1355)	1:786:A:VAL:HG13	1:813:A:GLN:HB2	10	0.13
(1,1355)	1:786:A:VAL:HG13	1:813:A:GLN:HB3	10	0.13
(1,1355)	1:786:A:VAL:HG21	1:813:A:GLN:HB2	10	0.13
(1,1355)	1:786:A:VAL:HG21	1:813:A:GLN:HB3	10	0.13
(1,1355)	1:786:A:VAL:HG22	1:813:A:GLN:HB2	10	0.13
(1,1355)	1:786:A:VAL:HG22	1:813:A:GLN:HB3	10	0.13
(1,1355)	1:786:A:VAL:HG23	1:813:A:GLN:HB2	10	0.13
(1,1355)	1:786:A:VAL:HG23	1:813:A:GLN:HB3	10	0.13
(1,1334)	1:783:A:THR:HA	1:816:A:LYS:HG2	1	0.13
(1,1334)	1:783:A:THR:HA	1:816:A:LYS:HG3	1	0.13
(1,1323)	1:779:A:LYS:HB2	1:780:A:ILE:H	4	0.13
(1,1323)	1:779:A:LYS:HB3	1:780:A:ILE:H	4	0.13
(1,1303)	1:767:A:ASP:HB2	1:769:A:VAL:H	3	0.13
(1,1303)	1:767:A:ASP:HB3	1:769:A:VAL:H	3	0.13
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG11	8	0.13
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG12	8	0.13
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG13	8	0.13
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG21	8	0.13
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG22	8	0.13
(1,1300)	1:766:A:GLN:HA	1:769:A:VAL:HG23	8	0.13
(1,1275)	1:753:A:GLY:HA2	1:762:A:GLY:H	11	0.13
(1,1275)	1:753:A:GLY:HA3	1:762:A:GLY:H	11	0.13
(1,1273)	1:753:A:GLY:HA2	1:760:A:ASN:HA	1	0.13
(1,1273)	1:753:A:GLY:HA3	1:760:A:ASN:HA	1	0.13
(1,1217)	1:737:A:SER:HB2	1:753:A:GLY:H	14	0.13
(1,1217)	1:737:A:SER:HB3	1:753:A:GLY:H	14	0.13
(1,1211)	1:735:A:THR:H	1:798:A:GLY:HA2	3	0.13
(1,1211)	1:735:A:THR:H	1:798:A:GLY:HA3	3	0.13
(1,1211)	1:735:A:THR:H	1:798:A:GLY:HA2	15	0.13
(1,1211)	1:735:A:THR:H	1:798:A:GLY:HA3	15	0.13
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB2	18	0.13
(1,1208)	1:734:A:ARG:HA	1:801:A:ASN:HB3	18	0.13
(1,1200)	1:725:A:LYS:HB2	1:726:A:GLY:H	16	0.13
(1,1200)	1:725:A:LYS:HB3	1:726:A:GLY:H	16	0.13
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD11	17	0.13
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD12	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD13	17	0.13
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD21	17	0.13
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD22	17	0.13
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD23	17	0.13
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD11	17	0.13
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD12	17	0.13
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD13	17	0.13
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD21	17	0.13
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD22	17	0.13
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD23	17	0.13
(1,1087)	1:697:A:ASN:HB2	1:744:A:LEU:HG	18	0.13
(1,1087)	1:697:A:ASN:HB3	1:744:A:LEU:HG	18	0.13
(1,1080)	1:749:A:PHE:H	1:749:A:PHE:HE1	12	0.13
(1,1078)	1:839:A:TRP:H	1:839:A:TRP:HD1	11	0.13
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE1	19	0.13
(1,1045)	1:741:A:ALA:HB1	1:750:A:TYR:HE2	19	0.13
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE1	19	0.13
(1,1045)	1:741:A:ALA:HB2	1:750:A:TYR:HE2	19	0.13
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE1	19	0.13
(1,1045)	1:741:A:ALA:HB3	1:750:A:TYR:HE2	19	0.13
(1,1038)	1:793:A:HIS:HA	1:793:A:HIS:HD2	19	0.13
(1,1035)	1:833:A:VAL:H	1:836:A:LYS:H	5	0.13
(1,1020)	1:741:A:ALA:HA	1:742:A:ALA:H	9	0.13
(1,1020)	1:741:A:ALA:HA	1:742:A:ALA:H	12	0.13
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	1	0.13
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	1	0.13
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	1	0.13
(1,1003)	1:778:A:VAL:HB	1:779:A:LYS:H	18	0.13
(1,977)	1:700:A:THR:H	1:743:A:THR:H	7	0.13
(1,969)	1:748:A:LYS:H	1:748:A:LYS:HG3	9	0.13
(1,969)	1:748:A:LYS:H	1:748:A:LYS:HG3	19	0.13
(1,963)	1:737:A:SER:H	1:737:A:SER:HB2	3	0.13
(1,963)	1:737:A:SER:H	1:737:A:SER:HB2	6	0.13
(1,949)	1:784:A:TYR:H	1:814:A:THR:HA	13	0.13
(1,936)	1:709:A:GLN:HA	1:734:A:ARG:H	1	0.13
(1,871)	1:709:A:GLN:HA	1:733:A:GLN:H	8	0.13
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	12	0.13
(1,842)	1:737:A:SER:H	1:755:A:TYR:H	11	0.13
(1,842)	1:737:A:SER:H	1:755:A:TYR:H	12	0.13
(1,828)	1:781:A:ASN:H	1:781:A:ASN:HB3	4	0.13
(1,828)	1:781:A:ASN:H	1:781:A:ASN:HB3	7	0.13
(1,828)	1:781:A:ASN:H	1:781:A:ASN:HB3	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:780:A:ILE:HD11	1:781:A:ASN:H	2	0.13
(1,823)	1:780:A:ILE:HD12	1:781:A:ASN:H	2	0.13
(1,823)	1:780:A:ILE:HD13	1:781:A:ASN:H	2	0.13
(1,823)	1:780:A:ILE:HD11	1:781:A:ASN:H	7	0.13
(1,823)	1:780:A:ILE:HD12	1:781:A:ASN:H	7	0.13
(1,823)	1:780:A:ILE:HD13	1:781:A:ASN:H	7	0.13
(1,790)	1:780:A:ILE:HD11	1:782:A:GLN:H	11	0.13
(1,790)	1:780:A:ILE:HD12	1:782:A:GLN:H	11	0.13
(1,790)	1:780:A:ILE:HD13	1:782:A:GLN:H	11	0.13
(1,790)	1:780:A:ILE:HD11	1:782:A:GLN:H	19	0.13
(1,790)	1:780:A:ILE:HD12	1:782:A:GLN:H	19	0.13
(1,790)	1:780:A:ILE:HD13	1:782:A:GLN:H	19	0.13
(1,788)	1:781:A:ASN:HA	1:782:A:GLN:H	4	0.13
(1,781)	1:713:A:LYS:H	1:713:A:LYS:HG3	19	0.13
(1,773)	1:778:A:VAL:H	1:820:A:GLN:H	7	0.13
(1,731)	1:714:A:ASN:HA	1:716:A:GLY:H	9	0.13
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	1	0.13
(1,714)	1:741:A:ALA:HA	1:749:A:PHE:H	5	0.13
(1,681)	1:722:A:TYR:H	1:722:A:TYR:HD1	3	0.13
(1,681)	1:722:A:TYR:H	1:722:A:TYR:HD2	3	0.13
(1,664)	1:717:A:LEU:H	1:717:A:LEU:HG	13	0.13
(1,645)	1:750:A:TYR:HE1	1:766:A:GLN:HA	20	0.13
(1,645)	1:750:A:TYR:HE2	1:766:A:GLN:HA	20	0.13
(1,643)	1:706:A:GLY:HA2	1:773:A:THR:HA	1	0.13
(1,635)	1:717:A:LEU:HA	1:764:A:VAL:HA	5	0.13
(1,635)	1:717:A:LEU:HA	1:764:A:VAL:HA	6	0.13
(1,635)	1:717:A:LEU:HA	1:764:A:VAL:HA	18	0.13
(1,616)	1:725:A:LYS:HA	1:725:A:LYS:HB3	17	0.13
(1,597)	1:816:A:LYS:H	1:816:A:LYS:HG2	2	0.13
(1,596)	1:735:A:THR:HA	1:735:A:THR:HG21	14	0.13
(1,596)	1:735:A:THR:HA	1:735:A:THR:HG22	14	0.13
(1,596)	1:735:A:THR:HA	1:735:A:THR:HG23	14	0.13
(1,584)	1:796:A:PRO:HA	1:839:A:TRP:HB2	18	0.13
(1,550)	1:814:A:THR:HG21	1:815:A:PHE:H	6	0.13
(1,550)	1:814:A:THR:HG22	1:815:A:PHE:H	6	0.13
(1,550)	1:814:A:THR:HG23	1:815:A:PHE:H	6	0.13
(1,550)	1:814:A:THR:HG21	1:815:A:PHE:H	8	0.13
(1,550)	1:814:A:THR:HG22	1:815:A:PHE:H	8	0.13
(1,550)	1:814:A:THR:HG23	1:815:A:PHE:H	8	0.13
(1,533)	1:840:A:ILE:H	1:840:A:ILE:HG13	19	0.13
(1,510)	1:833:A:VAL:HA	1:833:A:VAL:HB	2	0.13
(1,510)	1:833:A:VAL:HA	1:833:A:VAL:HB	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:833:A:VAL:HA	1:833:A:VAL:HB	6	0.13
(1,510)	1:833:A:VAL:HA	1:833:A:VAL:HB	12	0.13
(1,510)	1:833:A:VAL:HA	1:833:A:VAL:HB	18	0.13
(1,492)	1:727:A:LYS:HB3	1:727:A:LYS:HD3	15	0.13
(1,488)	1:725:A:LYS:HA	1:725:A:LYS:HB2	14	0.13
(1,486)	1:725:A:LYS:HA	1:725:A:LYS:HG3	16	0.13
(1,464)	1:712:A:ALA:H	1:732:A:ILE:HB	13	0.13
(1,432)	1:825:A:LYS:HB2	1:825:A:LYS:HD2	18	0.13
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG21	7	0.13
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG22	7	0.13
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG23	7	0.13
(1,417)	1:728:A:THR:HA	1:728:A:THR:HB	20	0.13
(1,388)	1:748:A:LYS:H	1:748:A:LYS:HB2	13	0.13
(1,388)	1:748:A:LYS:H	1:748:A:LYS:HB2	15	0.13
(1,367)	1:822:A:GLN:HB3	1:822:A:GLN:HG3	11	0.13
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	1	0.13
(1,356)	1:818:A:THR:HA	1:818:A:THR:HB	2	0.13
(1,347)	1:735:A:THR:HG21	1:736:A:LEU:H	7	0.13
(1,347)	1:735:A:THR:HG22	1:736:A:LEU:H	7	0.13
(1,347)	1:735:A:THR:HG23	1:736:A:LEU:H	7	0.13
(1,342)	1:709:A:GLN:HB3	1:709:A:GLN:HG2	17	0.13
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	1	0.13
(1,296)	1:740:A:LYS:HG2	1:740:A:LYS:HD2	6	0.13
(1,292)	1:709:A:GLN:HA	1:709:A:GLN:HG2	11	0.13
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	16	0.13
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	2	0.13
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	6	0.13
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	9	0.13
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	10	0.13
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	12	0.13
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	13	0.13
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	16	0.13
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	18	0.13
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	19	0.13
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD11	14	0.13
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD12	14	0.13
(1,222)	1:712:A:ALA:H	1:732:A:ILE:HD13	14	0.13
(1,206)	1:713:A:LYS:HA	1:713:A:LYS:HE2	7	0.13
(1,206)	1:713:A:LYS:HA	1:713:A:LYS:HE2	19	0.13
(1,177)	1:709:A:GLN:HB2	1:709:A:GLN:HG2	6	0.13
(1,177)	1:709:A:GLN:HB2	1:709:A:GLN:HG2	11	0.13
(1,168)	1:839:A:TRP:HA	1:839:A:TRP:HD1	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:740:A:LYS:HA	1:740:A:LYS:HG3	13	0.13
(1,143)	1:740:A:LYS:HA	1:740:A:LYS:HG2	13	0.13
(1,133)	1:832:A:THR:HG21	1:836:A:LYS:H	11	0.13
(1,133)	1:832:A:THR:HG22	1:836:A:LYS:H	11	0.13
(1,133)	1:832:A:THR:HG23	1:836:A:LYS:H	11	0.13
(1,130)	1:748:A:LYS:HA	1:748:A:LYS:HB3	12	0.13
(1,130)	1:748:A:LYS:HA	1:748:A:LYS:HB3	19	0.13
(1,108)	1:802:A:GLN:HA	1:802:A:GLN:HG2	17	0.13
(1,93)	1:732:A:ILE:HA	1:732:A:ILE:HB	19	0.13
(1,38)	1:815:A:PHE:HA	1:833:A:VAL:HA	12	0.13
(1,37)	1:815:A:PHE:HA	1:832:A:THR:H	12	0.13
(1,33)	1:845:A:LEU:HB2	1:845:A:LEU:HG	5	0.13
(1,31)	1:845:A:LEU:HB3	1:845:A:LEU:HG	9	0.13
(1,31)	1:845:A:LEU:HB3	1:845:A:LEU:HG	17	0.13
(1,25)	1:781:A:ASN:HA	1:781:A:ASN:HB2	8	0.13
(1,4)	1:709:A:GLN:HB3	1:709:A:GLN:HG3	4	0.13
(1,4)	1:709:A:GLN:HB3	1:709:A:GLN:HG3	11	0.13
(1,1463)	1:834:A:ASN:HB2	1:836:A:LYS:H	8	0.12
(1,1463)	1:834:A:ASN:HB3	1:836:A:LYS:H	8	0.12
(1,1408)	1:797:A:TRP:HB2	1:823:A:ILE:HG12	14	0.12
(1,1408)	1:797:A:TRP:HB2	1:823:A:ILE:HG13	14	0.12
(1,1408)	1:797:A:TRP:HB3	1:823:A:ILE:HG12	14	0.12
(1,1408)	1:797:A:TRP:HB3	1:823:A:ILE:HG13	14	0.12
(1,1341)	1:785:A:ASN:HA	1:785:A:ASN:HB2	7	0.12
(1,1341)	1:785:A:ASN:HA	1:785:A:ASN:HB3	7	0.12
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB2	2	0.12
(1,1333)	1:783:A:THR:HA	1:816:A:LYS:HB3	2	0.12
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB2	15	0.12
(1,1325)	1:780:A:ILE:HG21	1:820:A:GLN:HB3	15	0.12
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB2	15	0.12
(1,1325)	1:780:A:ILE:HG22	1:820:A:GLN:HB3	15	0.12
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB2	15	0.12
(1,1325)	1:780:A:ILE:HG23	1:820:A:GLN:HB3	15	0.12
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG2	10	0.12
(1,1324)	1:780:A:ILE:H	1:819:A:LYS:HG3	10	0.12
(1,1303)	1:767:A:ASP:HB2	1:769:A:VAL:H	6	0.12
(1,1303)	1:767:A:ASP:HB3	1:769:A:VAL:H	6	0.12
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG11	3	0.12
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG12	3	0.12
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG13	3	0.12
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG21	3	0.12
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG22	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG23	3	0.12
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG11	3	0.12
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG12	3	0.12
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG13	3	0.12
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG21	3	0.12
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG22	3	0.12
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG23	3	0.12
(1,1261)	1:750:A:TYR:HB2	1:764:A:VAL:H	12	0.12
(1,1261)	1:750:A:TYR:HB3	1:764:A:VAL:H	12	0.12
(1,1244)	1:744:A:LEU:HB2	1:747:A:LYS:HB2	6	0.12
(1,1244)	1:744:A:LEU:HB2	1:747:A:LYS:HB3	6	0.12
(1,1244)	1:744:A:LEU:HB3	1:747:A:LYS:HB2	6	0.12
(1,1244)	1:744:A:LEU:HB3	1:747:A:LYS:HB3	6	0.12
(1,1209)	1:734:A:ARG:HB2	1:736:A:LEU:HG	8	0.12
(1,1209)	1:734:A:ARG:HB3	1:736:A:LEU:HG	8	0.12
(1,1200)	1:725:A:LYS:HB2	1:726:A:GLY:H	9	0.12
(1,1200)	1:725:A:LYS:HB3	1:726:A:GLY:H	9	0.12
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD11	16	0.12
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD12	16	0.12
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD13	16	0.12
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD21	16	0.12
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD22	16	0.12
(1,1193)	1:722:A:TYR:HE1	1:744:A:LEU:HD23	16	0.12
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD11	16	0.12
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD12	16	0.12
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD13	16	0.12
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD21	16	0.12
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD22	16	0.12
(1,1193)	1:722:A:TYR:HE2	1:744:A:LEU:HD23	16	0.12
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	2	0.12
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	2	0.12
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB2	6	0.12
(1,1168)	1:718:A:TYR:H	1:763:A:TRP:HB3	6	0.12
(1,1118)	1:706:A:GLY:HA2	1:772:A:ASN:H	6	0.12
(1,1118)	1:706:A:GLY:HA3	1:772:A:ASN:H	6	0.12
(1,1105)	1:701:A:VAL:HG11	1:743:A:THR:H	6	0.12
(1,1105)	1:701:A:VAL:HG12	1:743:A:THR:H	6	0.12
(1,1105)	1:701:A:VAL:HG13	1:743:A:THR:H	6	0.12
(1,1105)	1:701:A:VAL:HG21	1:743:A:THR:H	6	0.12
(1,1105)	1:701:A:VAL:HG22	1:743:A:THR:H	6	0.12
(1,1105)	1:701:A:VAL:HG23	1:743:A:THR:H	6	0.12
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD11	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD12	20	0.12
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD13	20	0.12
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD21	20	0.12
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD22	20	0.12
(1,1089)	1:698:A:GLN:HA	1:744:A:LEU:HD23	20	0.12
(1,1020)	1:741:A:ALA:HA	1:742:A:ALA:H	4	0.12
(1,1020)	1:741:A:ALA:HA	1:742:A:ALA:H	18	0.12
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	16	0.12
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	16	0.12
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	16	0.12
(1,997)	1:753:A:GLY:HA3	1:761:A:TYR:H	2	0.12
(1,963)	1:737:A:SER:H	1:737:A:SER:HB2	2	0.12
(1,962)	1:737:A:SER:H	1:753:A:GLY:H	3	0.12
(1,941)	1:786:A:VAL:HA	1:846:A:THR:H	18	0.12
(1,914)	1:795:A:VAL:H	1:798:A:GLY:H	5	0.12
(1,903)	1:780:A:ILE:HD11	1:830:A:TYR:H	4	0.12
(1,903)	1:780:A:ILE:HD12	1:830:A:TYR:H	4	0.12
(1,903)	1:780:A:ILE:HD13	1:830:A:TYR:H	4	0.12
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE1	16	0.12
(1,877)	1:750:A:TYR:H	1:750:A:TYR:HE2	16	0.12
(1,874)	1:794:A:THR:H	1:802:A:GLN:HA	17	0.12
(1,823)	1:780:A:ILE:HD11	1:781:A:ASN:H	5	0.12
(1,823)	1:780:A:ILE:HD12	1:781:A:ASN:H	5	0.12
(1,823)	1:780:A:ILE:HD13	1:781:A:ASN:H	5	0.12
(1,788)	1:781:A:ASN:HA	1:782:A:GLN:H	10	0.12
(1,780)	1:713:A:LYS:H	1:713:A:LYS:HD3	11	0.12
(1,773)	1:778:A:VAL:H	1:820:A:GLN:H	16	0.12
(1,709)	1:793:A:HIS:H	1:793:A:HIS:HD2	20	0.12
(1,692)	1:732:A:ILE:H	1:732:A:ILE:HD11	12	0.12
(1,692)	1:732:A:ILE:H	1:732:A:ILE:HD12	12	0.12
(1,692)	1:732:A:ILE:H	1:732:A:ILE:HD13	12	0.12
(1,681)	1:722:A:TYR:H	1:722:A:TYR:HD1	2	0.12
(1,681)	1:722:A:TYR:H	1:722:A:TYR:HD2	2	0.12
(1,675)	1:749:A:PHE:HA	1:766:A:GLN:H	1	0.12
(1,643)	1:706:A:GLY:HA2	1:773:A:THR:HA	6	0.12
(1,635)	1:717:A:LEU:HA	1:764:A:VAL:HA	16	0.12
(1,617)	1:727:A:LYS:HA	1:727:A:LYS:HG2	15	0.12
(1,615)	1:725:A:LYS:HA	1:726:A:GLY:H	15	0.12
(1,587)	1:764:A:VAL:H	1:765:A:LYS:HA	1	0.12
(1,584)	1:796:A:PRO:HA	1:839:A:TRP:HB2	7	0.12
(1,567)	1:732:A:ILE:HA	1:732:A:ILE:HG13	6	0.12
(1,531)	1:724:A:THR:H	1:724:A:THR:HG21	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,531)	1:724:A:THR:H	1:724:A:THR:HG22	3	0.12
(1,531)	1:724:A:THR:H	1:724:A:THR:HG23	3	0.12
(1,531)	1:724:A:THR:H	1:724:A:THR:HG21	8	0.12
(1,531)	1:724:A:THR:H	1:724:A:THR:HG22	8	0.12
(1,531)	1:724:A:THR:H	1:724:A:THR:HG23	8	0.12
(1,531)	1:724:A:THR:H	1:724:A:THR:HG21	13	0.12
(1,531)	1:724:A:THR:H	1:724:A:THR:HG22	13	0.12
(1,531)	1:724:A:THR:H	1:724:A:THR:HG23	13	0.12
(1,526)	1:781:A:ASN:HA	1:818:A:THR:HA	7	0.12
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB1	4	0.12
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB2	4	0.12
(1,520)	1:794:A:THR:HG21	1:804:A:ALA:HB3	4	0.12
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB1	4	0.12
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB2	4	0.12
(1,520)	1:794:A:THR:HG22	1:804:A:ALA:HB3	4	0.12
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB1	4	0.12
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB2	4	0.12
(1,520)	1:794:A:THR:HG23	1:804:A:ALA:HB3	4	0.12
(1,510)	1:833:A:VAL:HA	1:833:A:VAL:HB	3	0.12
(1,510)	1:833:A:VAL:HA	1:833:A:VAL:HB	8	0.12
(1,510)	1:833:A:VAL:HA	1:833:A:VAL:HB	11	0.12
(1,510)	1:833:A:VAL:HA	1:833:A:VAL:HB	15	0.12
(1,510)	1:833:A:VAL:HA	1:833:A:VAL:HB	16	0.12
(1,510)	1:833:A:VAL:HA	1:833:A:VAL:HB	17	0.12
(1,466)	1:747:A:LYS:H	1:747:A:LYS:HG2	5	0.12
(1,466)	1:747:A:LYS:H	1:747:A:LYS:HG2	15	0.12
(1,460)	1:698:A:GLN:H	1:744:A:LEU:HA	20	0.12
(1,453)	1:822:A:GLN:HA	1:822:A:GLN:HB2	16	0.12
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD1	13	0.12
(1,443)	1:722:A:TYR:HA	1:722:A:TYR:HD2	13	0.12
(1,425)	1:734:A:ARG:HA	1:734:A:ARG:HG2	2	0.12
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG21	16	0.12
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG22	16	0.12
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG23	16	0.12
(1,417)	1:728:A:THR:HA	1:728:A:THR:HB	4	0.12
(1,417)	1:728:A:THR:HA	1:728:A:THR:HB	8	0.12
(1,417)	1:728:A:THR:HA	1:728:A:THR:HB	9	0.12
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	15	0.12
(1,411)	1:713:A:LYS:H	1:713:A:LYS:HE3	3	0.12
(1,411)	1:713:A:LYS:H	1:713:A:LYS:HE3	6	0.12
(1,411)	1:713:A:LYS:H	1:713:A:LYS:HE3	12	0.12
(1,411)	1:713:A:LYS:H	1:713:A:LYS:HE3	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:748:A:LYS:H	1:748:A:LYS:HB2	5	0.12
(1,386)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	11	0.12
(1,386)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	13	0.12
(1,376)	1:761:A:TYR:HA	1:761:A:TYR:HD1	18	0.12
(1,376)	1:761:A:TYR:HA	1:761:A:TYR:HD2	18	0.12
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	2	0.12
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	5	0.12
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	8	0.12
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	9	0.12
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	12	0.12
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	13	0.12
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	14	0.12
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	15	0.12
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	16	0.12
(1,367)	1:822:A:GLN:HB3	1:822:A:GLN:HG3	12	0.12
(1,367)	1:822:A:GLN:HB3	1:822:A:GLN:HG3	13	0.12
(1,304)	1:710:A:ILE:HB	1:710:A:ILE:HG13	13	0.12
(1,304)	1:710:A:ILE:HB	1:710:A:ILE:HG13	19	0.12
(1,292)	1:709:A:GLN:HA	1:709:A:GLN:HG2	8	0.12
(1,292)	1:709:A:GLN:HA	1:709:A:GLN:HG2	10	0.12
(1,292)	1:709:A:GLN:HA	1:709:A:GLN:HG2	15	0.12
(1,292)	1:709:A:GLN:HA	1:709:A:GLN:HG2	18	0.12
(1,276)	1:775:A:LYS:HA	1:775:A:LYS:HG3	6	0.12
(1,274)	1:754:A:ASP:HB2	1:759:A:THR:HB	16	0.12
(1,264)	1:748:A:LYS:HA	1:748:A:LYS:HG2	9	0.12
(1,243)	1:810:A:LYS:HA	1:810:A:LYS:HG3	18	0.12
(1,235)	1:818:A:THR:H	1:818:A:THR:HG21	14	0.12
(1,235)	1:818:A:THR:H	1:818:A:THR:HG22	14	0.12
(1,235)	1:818:A:THR:H	1:818:A:THR:HG23	14	0.12
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	3	0.12
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	5	0.12
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	7	0.12
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	11	0.12
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	15	0.12
(1,229)	1:705:A:SER:HA	1:739:A:THR:HA	19	0.12
(1,224)	1:732:A:ILE:HD11	1:733:A:GLN:H	4	0.12
(1,224)	1:732:A:ILE:HD12	1:733:A:GLN:H	4	0.12
(1,224)	1:732:A:ILE:HD13	1:733:A:GLN:H	4	0.12
(1,174)	1:710:A:ILE:HB	1:710:A:ILE:HG12	8	0.12
(1,167)	1:839:A:TRP:HA	1:839:A:TRP:HE3	2	0.12
(1,143)	1:740:A:LYS:HA	1:740:A:LYS:HG3	10	0.12
(1,143)	1:740:A:LYS:HA	1:740:A:LYS:HG2	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:748:A:LYS:HA	1:748:A:LYS:HB3	9	0.12
(1,130)	1:748:A:LYS:HA	1:748:A:LYS:HB3	17	0.12
(1,110)	1:785:A:ASN:HA	1:814:A:THR:HA	15	0.12
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	5	0.12
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	6	0.12
(1,75)	1:816:A:LYS:H	1:816:A:LYS:HG3	20	0.12
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	18	0.12
(1,68)	1:845:A:LEU:HA	1:845:A:LEU:HB2	9	0.12
(1,68)	1:845:A:LEU:HA	1:845:A:LEU:HB2	17	0.12
(1,31)	1:845:A:LEU:HB3	1:845:A:LEU:HG	6	0.12
(1,31)	1:845:A:LEU:HB3	1:845:A:LEU:HG	11	0.12
(1,9)	1:740:A:LYS:H	1:740:A:LYS:HD3	14	0.12
(1,1463)	1:834:A:ASN:HB2	1:836:A:LYS:H	11	0.11
(1,1463)	1:834:A:ASN:HB3	1:836:A:LYS:H	11	0.11
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD11	12	0.11
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD12	12	0.11
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD13	12	0.11
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD21	12	0.11
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD22	12	0.11
(1,1455)	1:829:A:LEU:H	1:829:A:LEU:HD23	12	0.11
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB2	11	0.11
(1,1452)	1:827:A:THR:HB	1:842:A:LYS:HB3	11	0.11
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB2	13	0.11
(1,1436)	1:819:A:LYS:H	1:830:A:TYR:HB3	13	0.11
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE2	6	0.11
(1,1428)	1:816:A:LYS:HA	1:816:A:LYS:HE3	6	0.11
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB2	13	0.11
(1,1400)	1:795:A:VAL:H	1:839:A:TRP:HB3	13	0.11
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB2	14	0.11
(1,1395)	1:793:A:HIS:HD2	1:802:A:GLN:HB3	14	0.11
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB1	6	0.11
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB2	6	0.11
(1,1382)	1:792:A:LEU:HB2	1:804:A:ALA:HB3	6	0.11
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB1	6	0.11
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB2	6	0.11
(1,1382)	1:792:A:LEU:HB3	1:804:A:ALA:HB3	6	0.11
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG21	9	0.11
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG22	9	0.11
(1,1375)	1:791:A:LYS:HG2	1:806:A:THR:HG23	9	0.11
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG21	9	0.11
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG22	9	0.11
(1,1375)	1:791:A:LYS:HG3	1:806:A:THR:HG23	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1351)	1:786:A:VAL:HG11	1:790:A:VAL:HB	14	0.11
(1,1351)	1:786:A:VAL:HG12	1:790:A:VAL:HB	14	0.11
(1,1351)	1:786:A:VAL:HG13	1:790:A:VAL:HB	14	0.11
(1,1351)	1:786:A:VAL:HG21	1:790:A:VAL:HB	14	0.11
(1,1351)	1:786:A:VAL:HG22	1:790:A:VAL:HB	14	0.11
(1,1351)	1:786:A:VAL:HG23	1:790:A:VAL:HB	14	0.11
(1,1330)	1:782:A:GLN:HB2	1:783:A:THR:H	4	0.11
(1,1330)	1:782:A:GLN:HB3	1:783:A:THR:H	4	0.11
(1,1317)	1:777:A:PRO:HB2	1:820:A:GLN:H	17	0.11
(1,1317)	1:777:A:PRO:HB3	1:820:A:GLN:H	17	0.11
(1,1303)	1:767:A:ASP:HB2	1:769:A:VAL:H	16	0.11
(1,1303)	1:767:A:ASP:HB3	1:769:A:VAL:H	16	0.11
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG11	16	0.11
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG12	16	0.11
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG13	16	0.11
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG21	16	0.11
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG22	16	0.11
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG23	16	0.11
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG11	16	0.11
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG12	16	0.11
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG13	16	0.11
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG21	16	0.11
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG22	16	0.11
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG23	16	0.11
(1,1244)	1:744:A:LEU:HB2	1:747:A:LYS:HB2	15	0.11
(1,1244)	1:744:A:LEU:HB2	1:747:A:LYS:HB3	15	0.11
(1,1244)	1:744:A:LEU:HB3	1:747:A:LYS:HB2	15	0.11
(1,1244)	1:744:A:LEU:HB3	1:747:A:LYS:HB3	15	0.11
(1,1240)	1:744:A:LEU:H	1:744:A:LEU:HD11	6	0.11
(1,1240)	1:744:A:LEU:H	1:744:A:LEU:HD12	6	0.11
(1,1240)	1:744:A:LEU:H	1:744:A:LEU:HD13	6	0.11
(1,1240)	1:744:A:LEU:H	1:744:A:LEU:HD21	6	0.11
(1,1240)	1:744:A:LEU:H	1:744:A:LEU:HD22	6	0.11
(1,1240)	1:744:A:LEU:H	1:744:A:LEU:HD23	6	0.11
(1,1232)	1:739:A:THR:H	1:751:A:LEU:HB2	16	0.11
(1,1232)	1:739:A:THR:H	1:751:A:LEU:HB3	16	0.11
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG2	1	0.11
(1,1196)	1:724:A:THR:HG21	1:725:A:LYS:HG3	1	0.11
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG2	1	0.11
(1,1196)	1:724:A:THR:HG22	1:725:A:LYS:HG3	1	0.11
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG2	1	0.11
(1,1196)	1:724:A:THR:HG23	1:725:A:LYS:HG3	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD11	12	0.11
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD12	12	0.11
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD13	12	0.11
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD21	12	0.11
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD22	12	0.11
(1,1192)	1:722:A:TYR:HD1	1:744:A:LEU:HD23	12	0.11
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD11	12	0.11
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD12	12	0.11
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD13	12	0.11
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD21	12	0.11
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD22	12	0.11
(1,1192)	1:722:A:TYR:HD2	1:744:A:LEU:HD23	12	0.11
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD11	12	0.11
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD12	12	0.11
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD13	12	0.11
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD21	12	0.11
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD22	12	0.11
(1,1191)	1:722:A:TYR:HA	1:744:A:LEU:HD23	12	0.11
(1,1173)	1:718:A:TYR:HB2	1:723:A:ASP:HB2	19	0.11
(1,1173)	1:718:A:TYR:HB2	1:723:A:ASP:HB3	19	0.11
(1,1173)	1:718:A:TYR:HB3	1:723:A:ASP:HB2	19	0.11
(1,1173)	1:718:A:TYR:HB3	1:723:A:ASP:HB3	19	0.11
(1,1165)	1:717:A:LEU:HD11	1:763:A:TRP:H	7	0.11
(1,1165)	1:717:A:LEU:HD12	1:763:A:TRP:H	7	0.11
(1,1165)	1:717:A:LEU:HD13	1:763:A:TRP:H	7	0.11
(1,1165)	1:717:A:LEU:HD21	1:763:A:TRP:H	7	0.11
(1,1165)	1:717:A:LEU:HD22	1:763:A:TRP:H	7	0.11
(1,1165)	1:717:A:LEU:HD23	1:763:A:TRP:H	7	0.11
(1,1147)	1:711:A:ASN:HB2	1:713:A:LYS:HB2	8	0.11
(1,1147)	1:711:A:ASN:HB2	1:713:A:LYS:HB3	8	0.11
(1,1147)	1:711:A:ASN:HB3	1:713:A:LYS:HB2	8	0.11
(1,1147)	1:711:A:ASN:HB3	1:713:A:LYS:HB3	8	0.11
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG11	16	0.11
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG12	16	0.11
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG13	16	0.11
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG21	16	0.11
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG22	16	0.11
(1,1142)	1:710:A:ILE:HG12	1:769:A:VAL:HG23	16	0.11
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG11	16	0.11
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG12	16	0.11
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG13	16	0.11
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG21	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG22	16	0.11
(1,1142)	1:710:A:ILE:HG13	1:769:A:VAL:HG23	16	0.11
(1,1136)	1:709:A:GLN:HB2	1:733:A:GLN:HA	7	0.11
(1,1136)	1:709:A:GLN:HB3	1:733:A:GLN:HA	7	0.11
(1,1112)	1:704:A:ASN:HB2	1:740:A:LYS:HA	13	0.11
(1,1112)	1:704:A:ASN:HB3	1:740:A:LYS:HA	13	0.11
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG2	7	0.11
(1,1110)	1:704:A:ASN:H	1:740:A:LYS:HG3	7	0.11
(1,1020)	1:741:A:ALA:HA	1:742:A:ALA:H	6	0.11
(1,1020)	1:741:A:ALA:HA	1:742:A:ALA:H	11	0.11
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG21	8	0.11
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG22	8	0.11
(1,1014)	1:786:A:VAL:H	1:786:A:VAL:HG23	8	0.11
(1,963)	1:737:A:SER:H	1:737:A:SER:HB2	12	0.11
(1,963)	1:737:A:SER:H	1:737:A:SER:HB2	15	0.11
(1,919)	1:789:A:GLY:H	1:807:A:VAL:H	12	0.11
(1,914)	1:795:A:VAL:H	1:798:A:GLY:H	8	0.11
(1,866)	1:729:A:THR:H	1:729:A:THR:HB	6	0.11
(1,862)	1:827:A:THR:HG21	1:828:A:TYR:H	2	0.11
(1,862)	1:827:A:THR:HG22	1:828:A:TYR:H	2	0.11
(1,862)	1:827:A:THR:HG23	1:828:A:TYR:H	2	0.11
(1,862)	1:827:A:THR:HG21	1:828:A:TYR:H	13	0.11
(1,862)	1:827:A:THR:HG22	1:828:A:TYR:H	13	0.11
(1,862)	1:827:A:THR:HG23	1:828:A:TYR:H	13	0.11
(1,858)	1:822:A:GLN:HA	1:828:A:TYR:H	14	0.11
(1,828)	1:781:A:ASN:H	1:781:A:ASN:HB3	14	0.11
(1,818)	1:720:A:THR:HB	1:721:A:VAL:H	11	0.11
(1,812)	1:843:A:TYR:H	1:844:A:TYR:H	3	0.11
(1,809)	1:830:A:TYR:HA	1:840:A:ILE:H	1	0.11
(1,763)	1:751:A:LEU:H	1:751:A:LEU:HD21	16	0.11
(1,763)	1:751:A:LEU:H	1:751:A:LEU:HD22	16	0.11
(1,763)	1:751:A:LEU:H	1:751:A:LEU:HD23	16	0.11
(1,726)	1:830:A:TYR:HD1	1:831:A:GLY:H	10	0.11
(1,726)	1:830:A:TYR:HD2	1:831:A:GLY:H	10	0.11
(1,705)	1:827:A:THR:HB	1:842:A:LYS:H	14	0.11
(1,688)	1:829:A:LEU:H	1:829:A:LEU:HD11	12	0.11
(1,688)	1:829:A:LEU:H	1:829:A:LEU:HD12	12	0.11
(1,688)	1:829:A:LEU:H	1:829:A:LEU:HD13	12	0.11
(1,657)	1:771:A:TYR:HA	1:771:A:TYR:HD1	10	0.11
(1,657)	1:771:A:TYR:HA	1:771:A:TYR:HD2	10	0.11
(1,635)	1:717:A:LEU:HA	1:764:A:VAL:HA	13	0.11
(1,605)	1:810:A:LYS:HA	1:810:A:LYS:HE2	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:764:A:VAL:H	1:765:A:LYS:HA	15	0.11
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD21	7	0.11
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD22	7	0.11
(1,581)	1:699:A:LEU:HA	1:744:A:LEU:HD23	7	0.11
(1,567)	1:732:A:ILE:HA	1:732:A:ILE:HG13	3	0.11
(1,566)	1:791:A:LYS:HB3	1:791:A:LYS:HG3	1	0.11
(1,566)	1:791:A:LYS:HB3	1:791:A:LYS:HG3	4	0.11
(1,566)	1:791:A:LYS:HB3	1:791:A:LYS:HG3	5	0.11
(1,566)	1:791:A:LYS:HB3	1:791:A:LYS:HG3	8	0.11
(1,566)	1:791:A:LYS:HB3	1:791:A:LYS:HG3	10	0.11
(1,566)	1:791:A:LYS:HB3	1:791:A:LYS:HG3	11	0.11
(1,566)	1:791:A:LYS:HB3	1:791:A:LYS:HG3	17	0.11
(1,556)	1:783:A:THR:HG21	1:816:A:LYS:HA	8	0.11
(1,556)	1:783:A:THR:HG22	1:816:A:LYS:HA	8	0.11
(1,556)	1:783:A:THR:HG23	1:816:A:LYS:HA	8	0.11
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD11	5	0.11
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD12	5	0.11
(1,535)	1:712:A:ALA:HB1	1:732:A:ILE:HD13	5	0.11
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD11	5	0.11
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD12	5	0.11
(1,535)	1:712:A:ALA:HB2	1:732:A:ILE:HD13	5	0.11
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD11	5	0.11
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD12	5	0.11
(1,535)	1:712:A:ALA:HB3	1:732:A:ILE:HD13	5	0.11
(1,492)	1:727:A:LYS:HB3	1:727:A:LYS:HD3	9	0.11
(1,492)	1:727:A:LYS:HB3	1:727:A:LYS:HD3	20	0.11
(1,485)	1:725:A:LYS:H	1:725:A:LYS:HG3	7	0.11
(1,475)	1:819:A:LYS:HB3	1:819:A:LYS:HG2	11	0.11
(1,453)	1:822:A:GLN:HA	1:822:A:GLN:HB2	3	0.11
(1,453)	1:822:A:GLN:HA	1:822:A:GLN:HB2	6	0.11
(1,451)	1:802:A:GLN:HA	1:802:A:GLN:HG3	4	0.11
(1,448)	1:819:A:LYS:HA	1:819:A:LYS:HG3	9	0.11
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG21	3	0.11
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG22	3	0.11
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG23	3	0.11
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG21	10	0.11
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG22	10	0.11
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG23	10	0.11
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG21	12	0.11
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG22	12	0.11
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG23	12	0.11
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG21	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG22	17	0.11
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG23	17	0.11
(1,417)	1:728:A:THR:HA	1:728:A:THR:HB	6	0.11
(1,417)	1:728:A:THR:HA	1:728:A:THR:HB	14	0.11
(1,415)	1:757:A:THR:H	1:758:A:GLY:HA3	5	0.11
(1,405)	1:735:A:THR:H	1:799:A:THR:HG21	8	0.11
(1,405)	1:735:A:THR:H	1:799:A:THR:HG22	8	0.11
(1,405)	1:735:A:THR:H	1:799:A:THR:HG23	8	0.11
(1,386)	1:843:A:TYR:HB3	1:843:A:TYR:HE1	10	0.11
(1,383)	1:778:A:VAL:HG21	1:779:A:LYS:H	15	0.11
(1,383)	1:778:A:VAL:HG22	1:779:A:LYS:H	15	0.11
(1,383)	1:778:A:VAL:HG23	1:779:A:LYS:H	15	0.11
(1,378)	1:713:A:LYS:HB2	1:713:A:LYS:HD3	13	0.11
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	4	0.11
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	17	0.11
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	18	0.11
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	19	0.11
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	20	0.11
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB1	18	0.11
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB2	18	0.11
(1,366)	1:823:A:ILE:HB	1:826:A:ALA:HB3	18	0.11
(1,345)	1:708:A:ALA:H	1:735:A:THR:HG21	4	0.11
(1,345)	1:708:A:ALA:H	1:735:A:THR:HG22	4	0.11
(1,345)	1:708:A:ALA:H	1:735:A:THR:HG23	4	0.11
(1,333)	1:759:A:THR:HA	1:759:A:THR:HG21	9	0.11
(1,333)	1:759:A:THR:HA	1:759:A:THR:HG22	9	0.11
(1,333)	1:759:A:THR:HA	1:759:A:THR:HG23	9	0.11
(1,304)	1:710:A:ILE:HB	1:710:A:ILE:HG13	20	0.11
(1,265)	1:734:A:ARG:HA	1:734:A:ARG:HD2	12	0.11
(1,247)	1:716:A:GLY:H	1:727:A:LYS:HA	3	0.11
(1,235)	1:818:A:THR:H	1:818:A:THR:HG21	8	0.11
(1,235)	1:818:A:THR:H	1:818:A:THR:HG22	8	0.11
(1,235)	1:818:A:THR:H	1:818:A:THR:HG23	8	0.11
(1,230)	1:739:A:THR:HA	1:739:A:THR:HB	17	0.11
(1,216)	1:698:A:GLN:H	1:698:A:GLN:HG2	18	0.11
(1,215)	1:698:A:GLN:HA	1:698:A:GLN:HG2	5	0.11
(1,214)	1:793:A:HIS:HB3	1:793:A:HIS:HE1	14	0.11
(1,205)	1:791:A:LYS:HB2	1:791:A:LYS:HG3	2	0.11
(1,205)	1:791:A:LYS:HB2	1:791:A:LYS:HG3	3	0.11
(1,205)	1:791:A:LYS:HB2	1:791:A:LYS:HG3	6	0.11
(1,205)	1:791:A:LYS:HB2	1:791:A:LYS:HG3	7	0.11
(1,205)	1:791:A:LYS:HB2	1:791:A:LYS:HG3	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:791:A:LYS:HB2	1:791:A:LYS:HG3	12	0.11
(1,205)	1:791:A:LYS:HB2	1:791:A:LYS:HG3	16	0.11
(1,205)	1:791:A:LYS:HB2	1:791:A:LYS:HG3	19	0.11
(1,198)	1:813:A:GLN:HA	1:813:A:GLN:HG3	19	0.11
(1,177)	1:709:A:GLN:HB2	1:709:A:GLN:HG2	5	0.11
(1,174)	1:710:A:ILE:HB	1:710:A:ILE:HG12	12	0.11
(1,169)	1:728:A:THR:H	1:728:A:THR:HB	3	0.11
(1,164)	1:829:A:LEU:H	1:839:A:TRP:HA	4	0.11
(1,164)	1:829:A:LEU:H	1:839:A:TRP:HA	20	0.11
(1,123)	1:778:A:VAL:HA	1:778:A:VAL:HG11	4	0.11
(1,123)	1:778:A:VAL:HA	1:778:A:VAL:HG12	4	0.11
(1,123)	1:778:A:VAL:HA	1:778:A:VAL:HG13	4	0.11
(1,123)	1:778:A:VAL:HA	1:778:A:VAL:HG11	17	0.11
(1,123)	1:778:A:VAL:HA	1:778:A:VAL:HG12	17	0.11
(1,123)	1:778:A:VAL:HA	1:778:A:VAL:HG13	17	0.11
(1,108)	1:802:A:GLN:HA	1:802:A:GLN:HG2	2	0.11
(1,108)	1:802:A:GLN:HA	1:802:A:GLN:HG2	14	0.11
(1,92)	1:710:A:ILE:HB	1:732:A:ILE:HA	9	0.11
(1,83)	1:789:A:GLY:H	1:806:A:THR:HG21	9	0.11
(1,83)	1:789:A:GLY:H	1:806:A:THR:HG22	9	0.11
(1,83)	1:789:A:GLY:H	1:806:A:THR:HG23	9	0.11
(1,79)	1:701:A:VAL:HA	1:742:A:ALA:HA	16	0.11
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	9	0.11
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	16	0.11
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	17	0.11
(1,73)	1:846:A:THR:HA	1:846:A:THR:HB	19	0.11
(1,68)	1:845:A:LEU:HA	1:845:A:LEU:HB2	6	0.11
(1,68)	1:845:A:LEU:HA	1:845:A:LEU:HB2	18	0.11
(1,68)	1:845:A:LEU:HA	1:845:A:LEU:HB2	20	0.11
(1,63)	1:796:A:PRO:HA	1:839:A:TRP:HB3	19	0.11
(1,42)	1:786:A:VAL:HB	1:845:A:LEU:HA	13	0.11
(1,32)	1:845:A:LEU:H	1:845:A:LEU:HG	12	0.11
(1,31)	1:845:A:LEU:HB3	1:845:A:LEU:HG	4	0.11
(1,31)	1:845:A:LEU:HB3	1:845:A:LEU:HG	10	0.11
(1,27)	1:781:A:ASN:HA	1:781:A:ASN:HB3	2	0.11
(1,27)	1:781:A:ASN:HA	1:781:A:ASN:HB3	11	0.11
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB1	4	0.11
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB2	4	0.11
(1,26)	1:781:A:ASN:HA	1:817:A:ALA:HB3	4	0.11
(1,25)	1:781:A:ASN:HA	1:781:A:ASN:HB2	19	0.11
(1,1363)	1:788:A:PRO:HG2	1:811:A:GLY:H	17	0.1
(1,1363)	1:788:A:PRO:HG3	1:811:A:GLY:H	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG11	5	0.1
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG12	5	0.1
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG13	5	0.1
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG21	5	0.1
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG22	5	0.1
(1,1357)	1:786:A:VAL:HG11	1:833:A:VAL:HG23	5	0.1
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG11	5	0.1
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG12	5	0.1
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG13	5	0.1
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG21	5	0.1
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG22	5	0.1
(1,1357)	1:786:A:VAL:HG12	1:833:A:VAL:HG23	5	0.1
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG11	5	0.1
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG12	5	0.1
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG13	5	0.1
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG21	5	0.1
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG22	5	0.1
(1,1357)	1:786:A:VAL:HG13	1:833:A:VAL:HG23	5	0.1
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG11	5	0.1
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG12	5	0.1
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG13	5	0.1
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG21	5	0.1
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG22	5	0.1
(1,1357)	1:786:A:VAL:HG21	1:833:A:VAL:HG23	5	0.1
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG11	5	0.1
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG12	5	0.1
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG13	5	0.1
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG21	5	0.1
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG22	5	0.1
(1,1357)	1:786:A:VAL:HG22	1:833:A:VAL:HG23	5	0.1
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG11	5	0.1
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG12	5	0.1
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG13	5	0.1
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG21	5	0.1
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG22	5	0.1
(1,1357)	1:786:A:VAL:HG23	1:833:A:VAL:HG23	5	0.1
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG11	2	0.1
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG12	2	0.1
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG13	2	0.1
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG21	2	0.1
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG22	2	0.1
(1,1264)	1:750:A:TYR:HE1	1:769:A:VAL:HG23	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG11	2	0.1
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG12	2	0.1
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG13	2	0.1
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG21	2	0.1
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG22	2	0.1
(1,1264)	1:750:A:TYR:HE2	1:769:A:VAL:HG23	2	0.1
(1,1214)	1:736:A:LEU:HA	1:755:A:TYR:HB2	11	0.1
(1,1214)	1:736:A:LEU:HA	1:755:A:TYR:HB3	11	0.1
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA2	1	0.1
(1,1154)	1:716:A:GLY:HA2	1:726:A:GLY:HA3	1	0.1
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA2	1	0.1
(1,1154)	1:716:A:GLY:HA3	1:726:A:GLY:HA3	1	0.1
(1,1151)	1:714:A:ASN:HB2	1:768:A:GLU:HB2	18	0.1
(1,1151)	1:714:A:ASN:HB2	1:768:A:GLU:HB3	18	0.1
(1,1151)	1:714:A:ASN:HB3	1:768:A:GLU:HB2	18	0.1
(1,1151)	1:714:A:ASN:HB3	1:768:A:GLU:HB3	18	0.1
(1,1127)	1:707:A:VAL:HG11	1:772:A:ASN:H	8	0.1
(1,1127)	1:707:A:VAL:HG12	1:772:A:ASN:H	8	0.1
(1,1127)	1:707:A:VAL:HG13	1:772:A:ASN:H	8	0.1
(1,1127)	1:707:A:VAL:HG21	1:772:A:ASN:H	8	0.1
(1,1127)	1:707:A:VAL:HG22	1:772:A:ASN:H	8	0.1
(1,1127)	1:707:A:VAL:HG23	1:772:A:ASN:H	8	0.1
(1,1112)	1:704:A:ASN:HB2	1:740:A:LYS:HA	17	0.1
(1,1112)	1:704:A:ASN:HB3	1:740:A:LYS:HA	17	0.1
(1,1020)	1:741:A:ALA:HA	1:742:A:ALA:H	7	0.1
(1,1020)	1:741:A:ALA:HA	1:742:A:ALA:H	15	0.1
(1,977)	1:700:A:THR:H	1:743:A:THR:H	13	0.1
(1,899)	1:784:A:TYR:H	1:815:A:PHE:H	20	0.1
(1,823)	1:780:A:ILE:HD11	1:781:A:ASN:H	9	0.1
(1,823)	1:780:A:ILE:HD12	1:781:A:ASN:H	9	0.1
(1,823)	1:780:A:ILE:HD13	1:781:A:ASN:H	9	0.1
(1,782)	1:713:A:LYS:H	1:713:A:LYS:HB3	16	0.1
(1,675)	1:749:A:PHE:HA	1:766:A:GLN:H	14	0.1
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE1	20	0.1
(1,649)	1:718:A:TYR:HA	1:718:A:TYR:HE2	20	0.1
(1,635)	1:717:A:LEU:HA	1:764:A:VAL:HA	3	0.1
(1,597)	1:816:A:LYS:H	1:816:A:LYS:HG2	19	0.1
(1,596)	1:735:A:THR:HA	1:735:A:THR:HG21	11	0.1
(1,596)	1:735:A:THR:HA	1:735:A:THR:HG22	11	0.1
(1,596)	1:735:A:THR:HA	1:735:A:THR:HG23	11	0.1
(1,596)	1:735:A:THR:HA	1:735:A:THR:HG21	15	0.1
(1,596)	1:735:A:THR:HA	1:735:A:THR:HG22	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,596)	1:735:A:THR:HA	1:735:A:THR:HG23	15	0.1
(1,589)	1:749:A:PHE:HA	1:765:A:LYS:HA	10	0.1
(1,580)	1:731:A:GLN:HA	1:731:A:GLN:HG3	7	0.1
(1,566)	1:791:A:LYS:HB3	1:791:A:LYS:HG3	20	0.1
(1,511)	1:720:A:THR:HG21	1:722:A:TYR:H	17	0.1
(1,511)	1:720:A:THR:HG22	1:722:A:TYR:H	17	0.1
(1,511)	1:720:A:THR:HG23	1:722:A:TYR:H	17	0.1
(1,502)	1:842:A:LYS:HA	1:842:A:LYS:HG3	9	0.1
(1,496)	1:708:A:ALA:H	1:708:A:ALA:HB1	1	0.1
(1,496)	1:708:A:ALA:H	1:708:A:ALA:HB2	1	0.1
(1,496)	1:708:A:ALA:H	1:708:A:ALA:HB3	1	0.1
(1,496)	1:708:A:ALA:H	1:708:A:ALA:HB1	6	0.1
(1,496)	1:708:A:ALA:H	1:708:A:ALA:HB2	6	0.1
(1,496)	1:708:A:ALA:H	1:708:A:ALA:HB3	6	0.1
(1,496)	1:708:A:ALA:H	1:708:A:ALA:HB1	11	0.1
(1,496)	1:708:A:ALA:H	1:708:A:ALA:HB2	11	0.1
(1,496)	1:708:A:ALA:H	1:708:A:ALA:HB3	11	0.1
(1,475)	1:819:A:LYS:HB3	1:819:A:LYS:HG2	1	0.1
(1,453)	1:822:A:GLN:HA	1:822:A:GLN:HB2	12	0.1
(1,453)	1:822:A:GLN:HA	1:822:A:GLN:HB2	14	0.1
(1,453)	1:822:A:GLN:HA	1:822:A:GLN:HB2	19	0.1
(1,453)	1:822:A:GLN:HA	1:822:A:GLN:HB2	20	0.1
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG21	20	0.1
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG22	20	0.1
(1,421)	1:778:A:VAL:HA	1:778:A:VAL:HG23	20	0.1
(1,417)	1:728:A:THR:HA	1:728:A:THR:HB	16	0.1
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	1	0.1
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	6	0.1
(1,372)	1:727:A:LYS:HA	1:727:A:LYS:HB2	10	0.1
(1,367)	1:822:A:GLN:HB3	1:822:A:GLN:HG3	17	0.1
(1,339)	1:811:A:GLY:HA3	1:812:A:ASP:H	1	0.1
(1,304)	1:710:A:ILE:HB	1:710:A:ILE:HG13	1	0.1
(1,224)	1:732:A:ILE:HD11	1:733:A:GLN:H	11	0.1
(1,224)	1:732:A:ILE:HD12	1:733:A:GLN:H	11	0.1
(1,224)	1:732:A:ILE:HD13	1:733:A:GLN:H	11	0.1
(1,205)	1:791:A:LYS:HB2	1:791:A:LYS:HG3	14	0.1
(1,205)	1:791:A:LYS:HB2	1:791:A:LYS:HG3	15	0.1
(1,205)	1:791:A:LYS:HB2	1:791:A:LYS:HG3	18	0.1
(1,195)	1:710:A:ILE:HA	1:769:A:VAL:HA	8	0.1
(1,195)	1:710:A:ILE:HA	1:769:A:VAL:HA	10	0.1
(1,177)	1:709:A:GLN:HB2	1:709:A:GLN:HG2	15	0.1
(1,176)	1:709:A:GLN:HB2	1:734:A:ARG:H	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,174)	1:710:A:ILE:HB	1:710:A:ILE:HG12	6	0.1
(1,174)	1:710:A:ILE:HB	1:710:A:ILE:HG12	9	0.1
(1,173)	1:819:A:LYS:HB2	1:819:A:LYS:HG2	3	0.1
(1,169)	1:728:A:THR:H	1:728:A:THR:HB	9	0.1
(1,142)	1:722:A:TYR:H	1:722:A:TYR:HB3	17	0.1
(1,133)	1:832:A:THR:HG21	1:836:A:LYS:H	12	0.1
(1,133)	1:832:A:THR:HG22	1:836:A:LYS:H	12	0.1
(1,133)	1:832:A:THR:HG23	1:836:A:LYS:H	12	0.1
(1,123)	1:778:A:VAL:HA	1:778:A:VAL:HG11	18	0.1
(1,123)	1:778:A:VAL:HA	1:778:A:VAL:HG12	18	0.1
(1,123)	1:778:A:VAL:HA	1:778:A:VAL:HG13	18	0.1
(1,108)	1:802:A:GLN:HA	1:802:A:GLN:HG2	10	0.1
(1,56)	1:698:A:GLN:HA	1:698:A:GLN:HG3	18	0.1
(1,31)	1:845:A:LEU:HB3	1:845:A:LEU:HG	2	0.1
(1,31)	1:845:A:LEU:HB3	1:845:A:LEU:HG	3	0.1
(1,30)	1:845:A:LEU:HA	1:845:A:LEU:HG	15	0.1
(1,9)	1:740:A:LYS:H	1:740:A:LYS:HD3	3	0.1
(1,9)	1:740:A:LYS:H	1:740:A:LYS:HD3	18	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found