



Full wwPDB NMR Structure Validation Report ⓘ

Mar 5, 2026 – 07:26 PM UTC

PDB ID : 5TVZ / pdb_00005tvz
BMRB ID : 30201
Title : Solution NMR structure of *Saccharomyces cerevisiae* Pom152 Ig-like repeat, residues 718-820
Authors : Dutta, K.; Sampathkumar, P.; Cowburn, D.; Almo, S.C.; Rout, M.P.; Fernandez-Martinez, J.
Deposited on : 2016-11-10

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

The following versions of software and data (see [references ⓘ](#)) 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

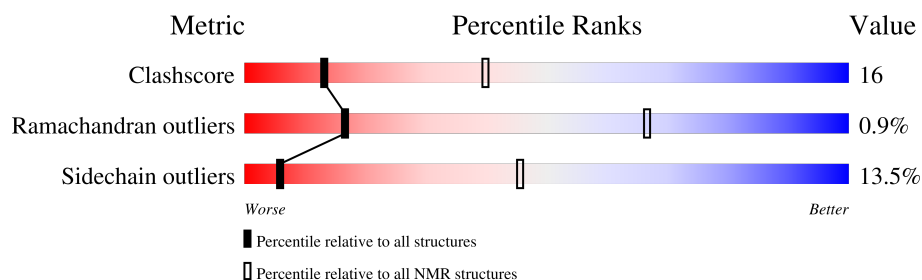
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 92%.

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 $\leq 5\%$

Mol	Chain	Length	Quality of chain
1	A	114	

2 Ensemble composition and analysis

This entry contains 20 models. Model 4 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:720-A:760, A:765-A:818 (95)	0.42	4

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

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

NmrClust was unable to cluster the ensemble.

Error message: Inconsistent models

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 1637 atoms, of which 837 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Nucleoporin POM152.

Mol	Chain	Residues	Atoms						Trace
1	A	103	Total	C	H	N	O	S	0
			1637	511	837	136	151	2	

There are 11 discrepancies between the modelled and reference sequences:

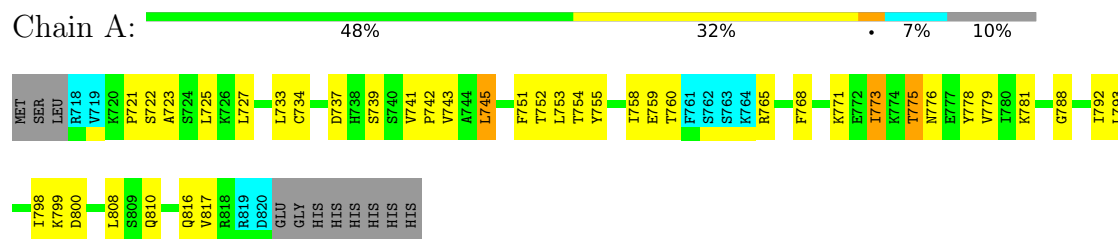
Chain	Residue	Modelled	Actual	Comment	Reference
A	715	MET	-	expression tag	UNP P39685
A	716	SER	-	expression tag	UNP P39685
A	717	LEU	-	expression tag	UNP P39685
A	821	GLU	-	expression tag	UNP P39685
A	822	GLY	-	expression tag	UNP P39685
A	823	HIS	-	expression tag	UNP P39685
A	824	HIS	-	expression tag	UNP P39685
A	825	HIS	-	expression tag	UNP P39685
A	826	HIS	-	expression tag	UNP P39685
A	827	HIS	-	expression tag	UNP P39685
A	828	HIS	-	expression tag	UNP P39685

4 Residue-property plots [i](#)

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: Nucleoporin POM152

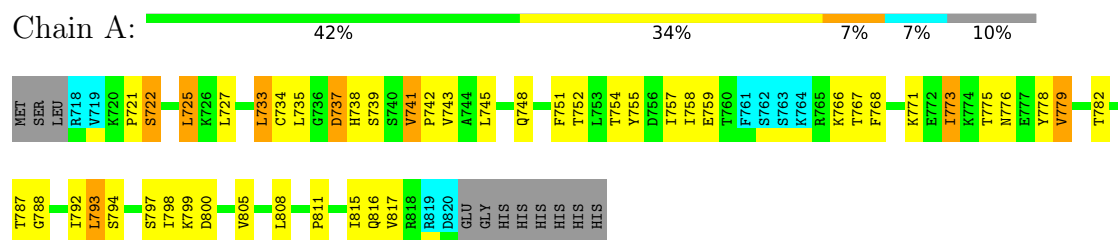


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

- Molecule 1: Nucleoporin POM152



4.2.2 Score per residue for model 2

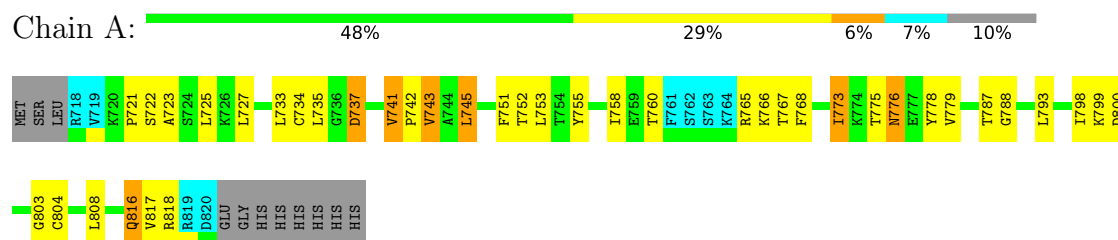
- Molecule 1: Nucleoporin POM152





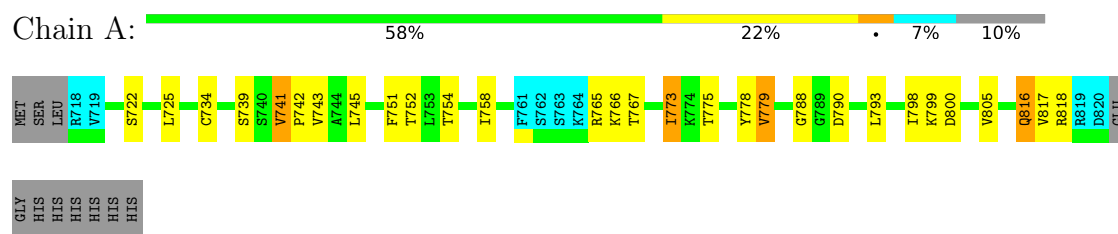
4.2.3 Score per residue for model 3

- Molecule 1: Nucleoporin POM152



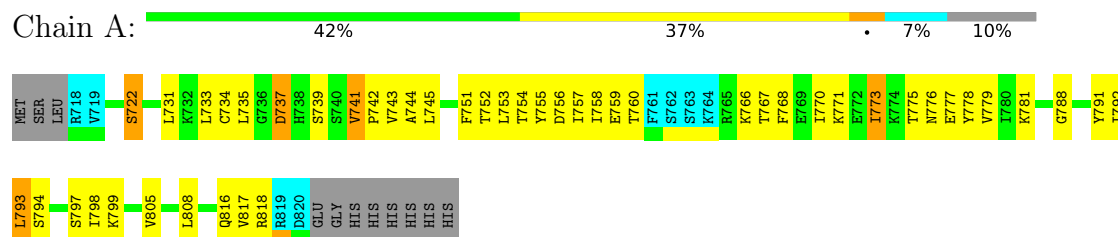
4.2.4 Score per residue for model 4 (medoid)

- Molecule 1: Nucleoporin POM152



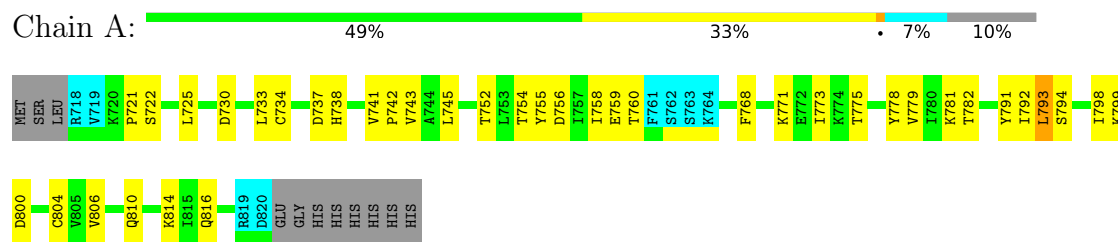
4.2.5 Score per residue for model 5

- Molecule 1: Nucleoporin POM152



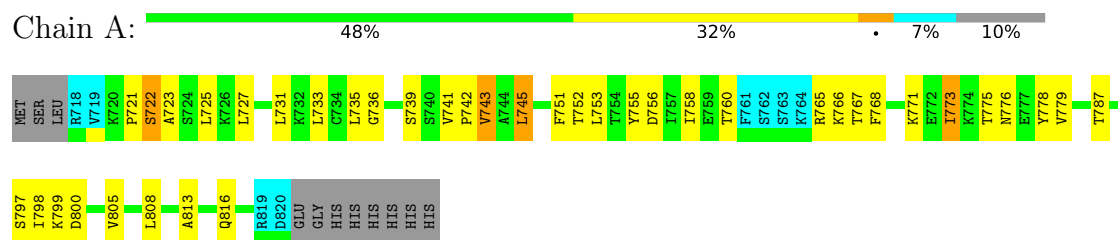
4.2.6 Score per residue for model 6

- Molecule 1: Nucleoporin POM152



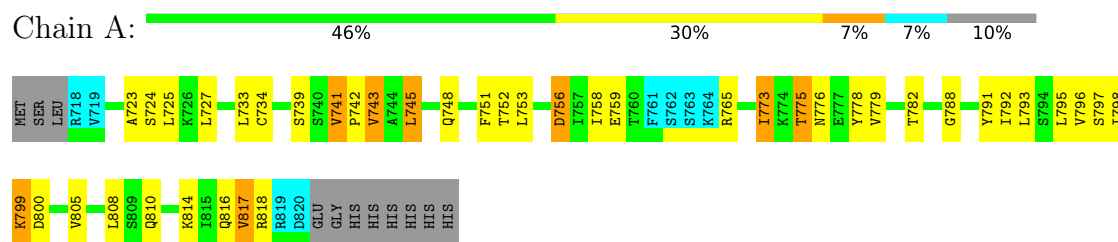
4.2.7 Score per residue for model 7

- Molecule 1: Nucleoporin POM152



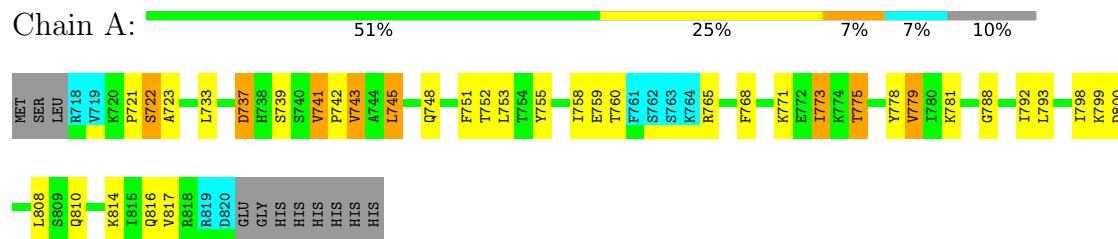
4.2.8 Score per residue for model 8

- Molecule 1: Nucleoporin POM152



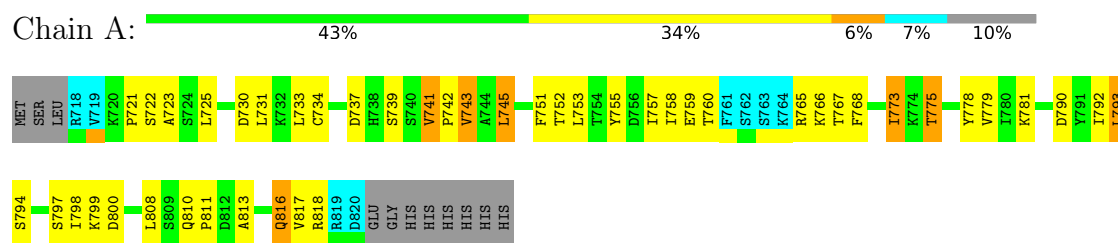
4.2.9 Score per residue for model 9

- Molecule 1: Nucleoporin POM152



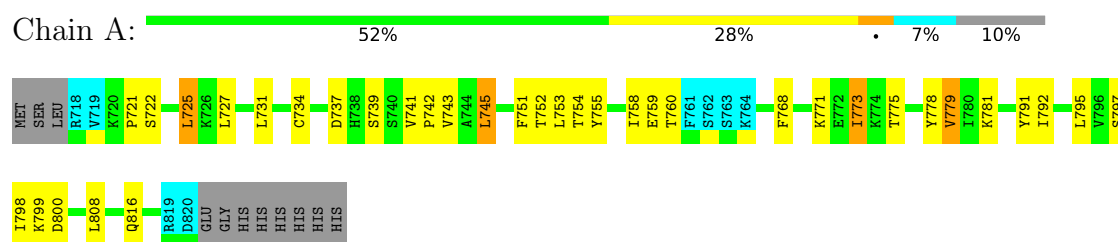
4.2.10 Score per residue for model 10

- Molecule 1: Nucleoporin POM152



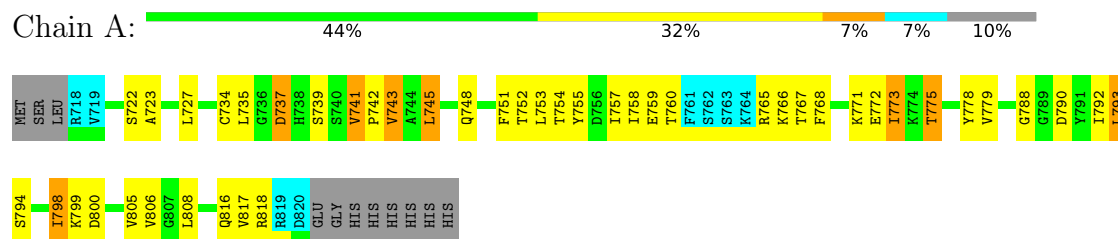
4.2.11 Score per residue for model 11

- Molecule 1: Nucleoporin POM152



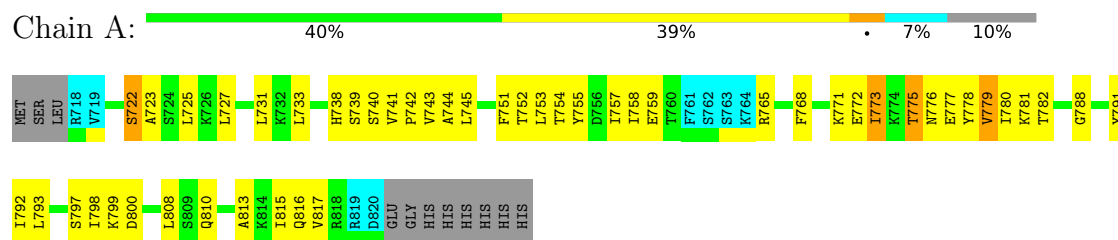
4.2.12 Score per residue for model 12

- Molecule 1: Nucleoporin POM152



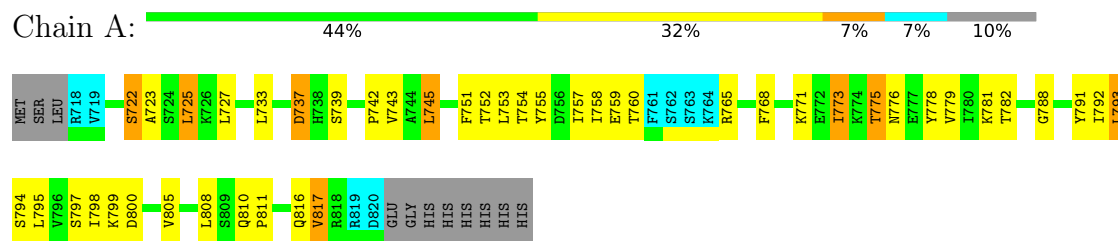
4.2.13 Score per residue for model 13

- Molecule 1: Nucleoporin POM152



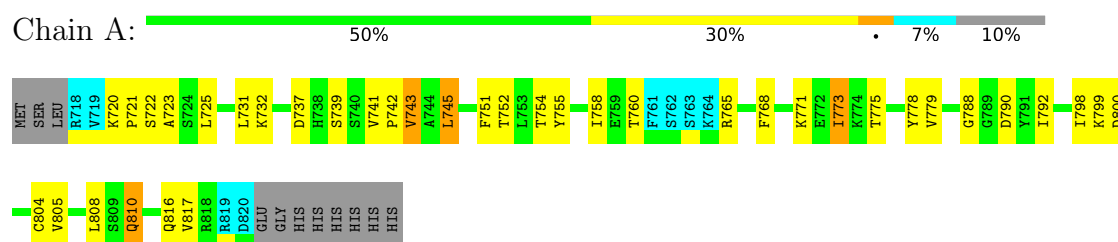
4.2.14 Score per residue for model 14

- Molecule 1: Nucleoporin POM152



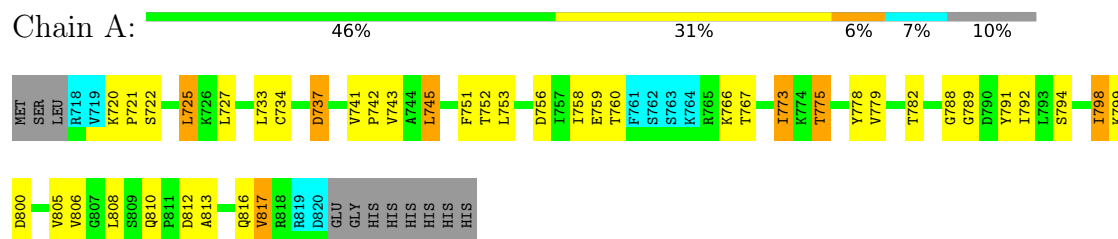
4.2.15 Score per residue for model 15

- Molecule 1: Nucleoporin POM152



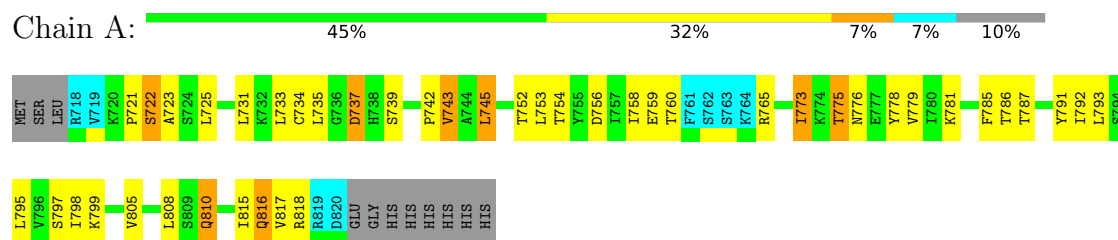
4.2.16 Score per residue for model 16

- Molecule 1: Nucleoporin POM152



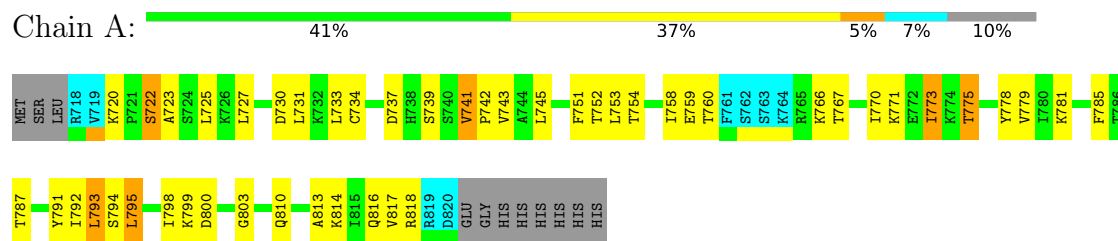
4.2.17 Score per residue for model 17

- Molecule 1: Nucleoporin POM152



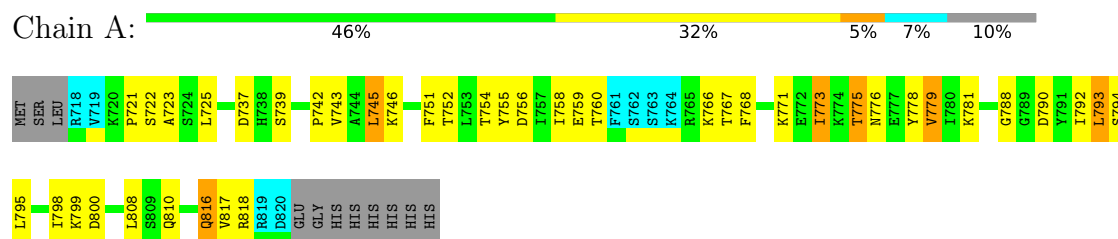
4.2.18 Score per residue for model 18

- Molecule 1: Nucleoporin POM152



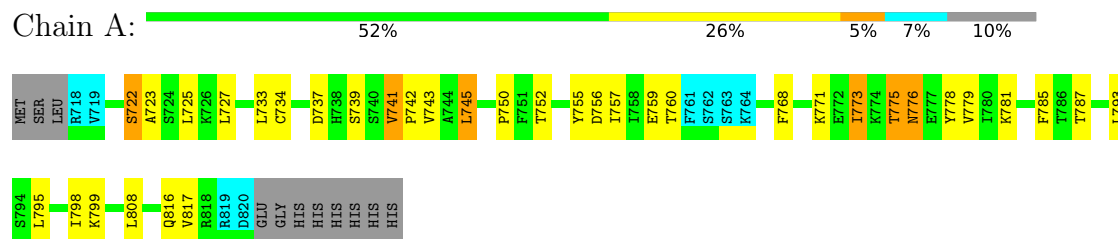
4.2.19 Score per residue for model 19

- Molecule 1: Nucleoporin POM152



4.2.20 Score per residue for model 20

- Molecule 1: Nucleoporin POM152



5 Refinement protocol and experimental data overview

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

Of the 2048 calculated structures, 20 were deposited, based on the following criterion: *structures with the least restraint violations*.

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

Software name	Classification	Version
ARIA	structure calculation	
CNS	refinement	
CNS	structure calculation	

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	1337
Number of shifts mapped to atoms	1287
Number of unparsed shifts	0
Number of shifts with mapping errors	50
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	92%

6 Model quality [i](#)

6.1 Standard geometry [i](#)

There are no covalent bond-length or bond-angle outliers.

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	731	766	763	24±6
All	All	14620	15320	15260	487

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 16.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:788:GLY:HA2	1:A:817:VAL:HG22	0.91	1.39	16	4
1:A:745:LEU:HD13	1:A:773:ILE:HD13	0.84	1.49	3	16
1:A:725:LEU:HG	1:A:743:VAL:HG22	0.78	1.54	13	1
1:A:722:SER:HB2	1:A:810:GLN:OE1	0.76	1.81	13	2
1:A:745:LEU:HD11	1:A:778:TYR:HB3	0.76	1.55	14	20
1:A:759:GLU:HB3	1:A:791:TYR:CE2	0.68	2.24	11	2
1:A:816:GLN:NE2	1:A:818:ARG:HG2	0.64	2.08	2	6
1:A:739:SER:HB2	1:A:782:THR:OG1	0.64	1.92	14	3
1:A:722:SER:HA	1:A:808:LEU:CD2	0.63	2.24	19	8
1:A:751:PHE:CE2	1:A:800:ASP:HA	0.62	2.29	16	15
1:A:793:LEU:HB3	1:A:813:ALA:HB3	0.61	1.72	13	1
1:A:752:THR:HB	1:A:799:LYS:HB3	0.61	1.73	3	20
1:A:741:VAL:HG11	1:A:793:LEU:HD23	0.61	1.71	18	6
1:A:742:PRO:HA	1:A:779:VAL:HA	0.61	1.73	4	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:734:CYS:HA	1:A:818:ARG:O	0.60	1.97	18	5
1:A:755:TYR:CE1	1:A:768:PHE:HB3	0.60	2.32	5	11
1:A:745:LEU:HD22	1:A:753:LEU:CD2	0.60	2.26	13	2
1:A:775:THR:O	1:A:776:ASN:HB2	0.59	1.97	2	11
1:A:788:GLY:HA2	1:A:817:VAL:HG12	0.59	1.73	1	9
1:A:773:ILE:HD12	1:A:775:THR:H	0.59	1.58	13	18
1:A:723:ALA:O	1:A:795:LEU:HD11	0.59	1.98	14	2
1:A:788:GLY:HA2	1:A:817:VAL:CG2	0.58	2.28	2	2
1:A:752:THR:O	1:A:798:ILE:HA	0.58	1.98	5	18
1:A:733:LEU:HD12	1:A:817:VAL:HG22	0.58	1.74	20	3
1:A:798:ILE:HB	1:A:808:LEU:HD21	0.57	1.76	12	2
1:A:755:TYR:CE1	1:A:768:PHE:HB2	0.57	2.34	12	3
1:A:766:LYS:HD3	1:A:767:THR:N	0.56	2.15	16	10
1:A:758:ILE:HG22	1:A:765:ARG:HD3	0.56	1.76	14	10
1:A:798:ILE:O	1:A:805:VAL:HA	0.56	1.99	12	10
1:A:723:ALA:HB1	1:A:743:VAL:HG21	0.56	1.77	17	8
1:A:722:SER:HA	1:A:808:LEU:HD22	0.56	1.76	9	8
1:A:751:PHE:CD2	1:A:800:ASP:HA	0.56	2.34	16	11
1:A:758:ILE:HG22	1:A:765:ARG:HD2	0.56	1.78	8	2
1:A:727:LEU:HD23	1:A:813:ALA:HB1	0.55	1.78	16	3
1:A:759:GLU:HG2	1:A:791:TYR:CE2	0.54	2.38	14	7
1:A:771:LYS:N	1:A:771:LYS:HD2	0.54	2.17	13	2
1:A:745:LEU:HD11	1:A:778:TYR:CB	0.54	2.30	14	2
1:A:721:PRO:HD2	1:A:806:VAL:HG11	0.54	1.78	6	1
1:A:758:ILE:HG13	1:A:792:ILE:O	0.53	2.02	18	14
1:A:733:LEU:HB2	1:A:817:VAL:HB	0.53	1.80	8	4
1:A:733:LEU:HG	1:A:737:ASP:HB3	0.53	1.81	14	5
1:A:745:LEU:HD22	1:A:753:LEU:HD13	0.52	1.80	16	1
1:A:738:HIS:HB2	1:A:782:THR:O	0.52	2.04	6	3
1:A:723:ALA:O	1:A:810:GLN:HB2	0.52	2.04	19	1
1:A:734:CYS:O	1:A:737:ASP:HB2	0.52	2.04	1	9
1:A:757:ILE:CD1	1:A:793:LEU:HD13	0.52	2.35	13	7
1:A:725:LEU:HD12	1:A:743:VAL:CG1	0.52	2.35	13	1
1:A:798:ILE:HG22	1:A:806:VAL:HB	0.51	1.81	16	2
1:A:816:GLN:HE22	1:A:818:ARG:HG2	0.51	1.64	10	1
1:A:725:LEU:HG	1:A:743:VAL:CG2	0.50	2.34	13	1
1:A:758:ILE:HG22	1:A:765:ARG:CD	0.50	2.36	13	4
1:A:745:LEU:HD13	1:A:773:ILE:CD1	0.50	2.34	10	3
1:A:723:ALA:HB3	1:A:795:LEU:HG	0.50	1.84	8	3
1:A:756:ASP:O	1:A:793:LEU:HA	0.50	2.07	17	1
1:A:733:LEU:HD11	1:A:739:SER:OG	0.49	2.06	20	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:731:LEU:HD23	1:A:739:SER:HB2	0.49	1.83	7	4
1:A:725:LEU:CD2	1:A:743:VAL:HB	0.49	2.38	2	7
1:A:756:ASP:OD2	1:A:794:SER:HB3	0.49	2.07	16	1
1:A:725:LEU:HD12	1:A:743:VAL:HG13	0.49	1.84	13	1
1:A:731:LEU:HD13	1:A:739:SER:HB3	0.48	1.84	17	1
1:A:758:ILE:CG2	1:A:765:ARG:HD2	0.48	2.38	12	1
1:A:751:PHE:HA	1:A:799:LYS:O	0.48	2.09	1	4
1:A:734:CYS:SG	1:A:735:LEU:N	0.48	2.87	3	1
1:A:756:ASP:OD2	1:A:796:VAL:HG21	0.48	2.08	8	1
1:A:731:LEU:HD12	1:A:815:ILE:HG13	0.47	1.84	17	1
1:A:725:LEU:HD22	1:A:743:VAL:CG2	0.47	2.40	11	4
1:A:792:ILE:HG12	1:A:814:LYS:HG2	0.47	1.87	9	2
1:A:725:LEU:CD1	1:A:725:LEU:N	0.46	2.79	20	4
1:A:810:GLN:HB3	1:A:811:PRO:HD2	0.46	1.87	14	2
1:A:797:SER:HA	1:A:808:LEU:HD13	0.46	1.87	13	2
1:A:731:LEU:CD2	1:A:739:SER:HB2	0.46	2.40	13	2
1:A:797:SER:HA	1:A:808:LEU:HG	0.46	1.87	10	7
1:A:745:LEU:HD22	1:A:753:LEU:CD1	0.46	2.41	9	2
1:A:725:LEU:N	1:A:725:LEU:HD12	0.45	2.26	20	4
1:A:770:ILE:HG22	1:A:773:ILE:HG22	0.45	1.87	18	2
1:A:722:SER:HB3	1:A:810:GLN:NE2	0.45	2.26	17	1
1:A:745:LEU:HD22	1:A:753:LEU:HD22	0.45	1.88	17	1
1:A:773:ILE:HG13	1:A:773:ILE:O	0.45	2.11	13	1
1:A:745:LEU:CD1	1:A:773:ILE:HD13	0.45	2.41	13	2
1:A:741:VAL:HG11	1:A:793:LEU:HD13	0.45	1.88	4	4
1:A:725:LEU:HA	1:A:743:VAL:HG13	0.45	1.88	13	1
1:A:725:LEU:HD23	1:A:725:LEU:N	0.44	2.27	11	1
1:A:752:THR:HB	1:A:799:LYS:CB	0.44	2.41	1	1
1:A:792:ILE:HA	1:A:813:ALA:O	0.44	2.13	13	1
1:A:759:GLU:HG2	1:A:791:TYR:CD2	0.44	2.48	16	1
1:A:725:LEU:HG	1:A:811:PRO:O	0.44	2.13	14	2
1:A:785:PHE:C	1:A:787:THR:H	0.44	2.21	17	3
1:A:725:LEU:N	1:A:725:LEU:HD23	0.44	2.28	16	2
1:A:793:LEU:HD12	1:A:794:SER:N	0.44	2.27	10	8
1:A:730:ASP:HA	1:A:814:LYS:O	0.44	2.13	6	2
1:A:739:SER:O	1:A:781:LYS:HA	0.44	2.12	9	1
1:A:725:LEU:HD12	1:A:725:LEU:N	0.43	2.28	6	1
1:A:733:LEU:CB	1:A:817:VAL:HB	0.43	2.42	14	2
1:A:755:TYR:CD1	1:A:793:LEU:HD11	0.43	2.48	20	2
1:A:800:ASP:HB2	1:A:804:CYS:HB3	0.43	1.90	15	1
1:A:799:LYS:CE	1:A:803:GLY:HA2	0.43	2.43	18	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:752:THR:HA	1:A:771:LYS:HA	0.43	1.89	6	9
1:A:800:ASP:HB3	1:A:804:CYS:HB3	0.43	1.91	3	2
1:A:744:ALA:HA	1:A:777:GLU:HA	0.43	1.91	13	2
1:A:723:ALA:HA	1:A:745:LEU:HA	0.43	1.91	20	4
1:A:731:LEU:HG	1:A:733:LEU:HD21	0.43	1.89	10	2
1:A:752:THR:CB	1:A:799:LYS:HB3	0.43	2.43	8	1
1:A:725:LEU:HD12	1:A:813:ALA:N	0.43	2.29	10	1
1:A:733:LEU:HD22	1:A:815:ILE:HG23	0.42	1.90	1	1
1:A:725:LEU:HD23	1:A:813:ALA:HB2	0.42	1.91	13	1
1:A:725:LEU:HA	1:A:743:VAL:HA	0.42	1.90	3	1
1:A:727:LEU:C	1:A:727:LEU:HD13	0.42	2.39	13	1
1:A:725:LEU:N	1:A:725:LEU:CD1	0.42	2.81	6	1
1:A:730:ASP:OD1	1:A:816:GLN:HB2	0.42	2.14	10	1
1:A:748:GLN:C	1:A:751:PHE:HE1	0.42	2.21	12	1
1:A:742:PRO:HA	1:A:779:VAL:HB	0.42	1.91	13	2
1:A:735:LEU:HD23	1:A:736:GLY:N	0.42	2.30	7	1
1:A:789:GLY:H	1:A:817:VAL:HG13	0.42	1.74	16	1
1:A:757:ILE:HD12	1:A:793:LEU:HD13	0.42	1.92	13	1
1:A:733:LEU:CG	1:A:737:ASP:HB3	0.41	2.45	14	1
1:A:721:PRO:O	1:A:798:ILE:HG21	0.41	2.15	16	1
1:A:756:ASP:HB2	1:A:758:ILE:HG23	0.41	1.93	7	1
1:A:757:ILE:HG13	1:A:793:LEU:HD13	0.41	1.92	13	1
1:A:731:LEU:HB2	1:A:815:ILE:HA	0.41	1.93	17	1
1:A:758:ILE:O	1:A:791:TYR:HA	0.41	2.15	17	1
1:A:725:LEU:HD12	1:A:812:ASP:C	0.41	2.41	16	1
1:A:733:LEU:HD12	1:A:815:ILE:CG2	0.41	2.46	13	1
1:A:723:ALA:HB3	1:A:795:LEU:CD2	0.41	2.46	20	1
1:A:773:ILE:O	1:A:773:ILE:HG13	0.41	2.16	16	1
1:A:723:ALA:O	1:A:810:GLN:HB3	0.40	2.15	15	1
1:A:731:LEU:HD13	1:A:739:SER:HB2	0.40	1.93	18	1
1:A:733:LEU:HD12	1:A:817:VAL:HG12	0.40	1.93	8	1
1:A:740:SER:HA	1:A:780:ILE:O	0.40	2.16	13	1
1:A:741:VAL:CG1	1:A:793:LEU:HD23	0.40	2.44	18	1

6.3 Torsion angles ⓘ

6.3.1 Protein backbone ⓘ

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	95/114 (83%)	86±1 (91±1%)	8±1 (8±1%)	1±1 (1±1%)	16	66
All	All	1900/2280 (83%)	1725 (91%)	157 (8%)	18 (1%)	16	66

All 4 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	722	SER	15
1	A	776	ASN	1
1	A	786	THR	1
1	A	750	PRO	1

6.3.2 Protein sidechains ⓘ

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	85/103 (83%)	74±2 (86±3%)	12±2 (14±3%)	6	45
All	All	1700/2060 (83%)	1470 (86%)	230 (14%)	6	45

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	773	ILE	20
1	A	816	GLN	20
1	A	741	VAL	17
1	A	760	THR	16
1	A	745	LEU	14
1	A	775	THR	14
1	A	754	THR	13
1	A	743	VAL	13
1	A	737	ASP	11
1	A	781	LYS	10
1	A	793	LEU	8
1	A	727	LEU	7
1	A	753	LEU	7

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Mol	Chain	Res	Type	Models (Total)
1	A	779	VAL	6
1	A	810	GLN	6
1	A	739	SER	5
1	A	817	VAL	5
1	A	756	ASP	5
1	A	725	LEU	4
1	A	733	LEU	3
1	A	748	GLN	3
1	A	787	THR	3
1	A	771	LYS	3
1	A	735	LEU	2
1	A	776	ASN	2
1	A	795	LEU	2
1	A	772	GLU	2
1	A	798	ILE	2
1	A	790	ASP	2
1	A	724	SER	1
1	A	799	LYS	1
1	A	732	LYS	1
1	A	782	THR	1
1	A	746	LYS	1

6.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

6.6 Ligand geometry ⓘ

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 92% for the well-defined parts and 91% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	1337
Number of shifts mapped to atoms	1287
Number of unparsed shifts	0
Number of shifts with mapping errors	50
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	2

The following assigned chemical shifts were not mapped to the molecules present in the coordinate file.

- No matching atom found in the structure. All 50 occurrences are reported below.

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	716	SER	HA	4.516	0.0000	1
1	A	716	SER	HB2	3.937	0.0000	2
1	A	716	SER	HB3	3.937	0.0000	2
1	A	716	SER	C	174.3546	0.0000	1
1	A	716	SER	CA	58.1807	0.0000	1
1	A	716	SER	CB	63.9	0.0000	1
1	A	717	LEU	H	8.1873	0.0000	1
1	A	717	LEU	HA	4.417	0.0000	1
1	A	717	LEU	HB2	1.615	0.0000	2
1	A	717	LEU	HB3	1.615	0.0000	2
1	A	717	LEU	HD11	0.916	0.0000	2
1	A	717	LEU	HD12	0.916	0.0000	2
1	A	717	LEU	HD13	0.916	0.0000	2
1	A	717	LEU	HD21	0.8778	0.0000	2

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	717	LEU	HD22	0.8778	0.0000	2
1	A	717	LEU	HD23	0.8778	0.0000	2
1	A	717	LEU	HG	1.615	0.0000	1
1	A	717	LEU	C	177.0432	0.0000	1
1	A	717	LEU	CA	55.414	0.0000	1
1	A	717	LEU	CB	42.3929	0.0000	1
1	A	717	LEU	CD1	24.794	0.0000	2
1	A	717	LEU	CD2	23.902	0.0000	2
1	A	717	LEU	CG	26.995	0.0000	1
1	A	717	LEU	N	123.6128	0.0000	1
1	A	821	GLU	H	8.5739	0.0000	1
1	A	821	GLU	HA	4.293	0.0000	1
1	A	821	GLU	HB2	2.103	0.0000	2
1	A	821	GLU	HB3	1.893	0.0000	2
1	A	821	GLU	HG2	2.209	0.0000	2
1	A	821	GLU	HG3	2.265	0.0000	2
1	A	821	GLU	C	177.1055	0.0000	1
1	A	821	GLU	CA	56.8883	0.0000	1
1	A	821	GLU	CB	30.0196	0.0000	1
1	A	821	GLU	CG	36.305	0.0000	1
1	A	821	GLU	N	122.8553	0.0000	1
1	A	822	GLY	H	8.536	0.0000	1
1	A	822	GLY	HA2	3.864	0.0000	2
1	A	822	GLY	HA3	3.864	0.0000	2
1	A	822	GLY	C	174.1262	0.0000	1
1	A	822	GLY	CA	45.4403	0.0000	1
1	A	822	GLY	N	108.9427	0.0000	1
1	A	823	HIS	H	8.1055	0.0000	1
1	A	823	HIS	HA	4.54	0.0000	1
1	A	823	HIS	HB2	2.975	0.0000	2
1	A	823	HIS	HB3	3.03	0.0000	2
1	A	823	HIS	HD2	6.955	0.0000	1
1	A	823	HIS	C	175.0597	0.0000	1
1	A	823	HIS	CA	55.9022	0.0000	1
1	A	823	HIS	CB	29.7537	0.0000	1
1	A	823	HIS	N	118.7278	0.0000	1

7.1.2 Chemical shift referencing ⓘ

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	108	0.00 ± 0.12	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	100	-0.01 ± 0.17	None needed (< 0.5 ppm)
$^{13}\text{C}'$	108	0.26 ± 0.11	None needed (< 0.5 ppm)
^{15}N	101	-0.98 ± 0.27	Should be applied

7.1.3 Completeness of resonance assignments [i](#)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 92%, i.e. 1191 atoms were assigned a chemical shift out of a possible 1290. 0 out of 18 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	470/472 (100%)	191/192 (99%)	190/190 (100%)	89/90 (99%)
Sidechain	690/737 (94%)	468/483 (97%)	217/234 (93%)	5/20 (25%)
Aromatic	31/81 (38%)	19/39 (49%)	12/36 (33%)	0/6 (0%)
Overall	1191/1290 (92%)	678/714 (95%)	419/460 (91%)	94/116 (81%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 91%, i.e. 1287 atoms were assigned a chemical shift out of a possible 1412. 0 out of 19 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	510/512 (100%)	207/208 (100%)	206/206 (100%)	97/98 (99%)
Sidechain	742/809 (92%)	503/528 (95%)	234/254 (92%)	5/27 (19%)
Aromatic	35/91 (38%)	22/44 (50%)	13/41 (32%)	0/6 (0%)
Overall	1287/1412 (91%)	732/780 (94%)	453/501 (90%)	102/131 (78%)

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.

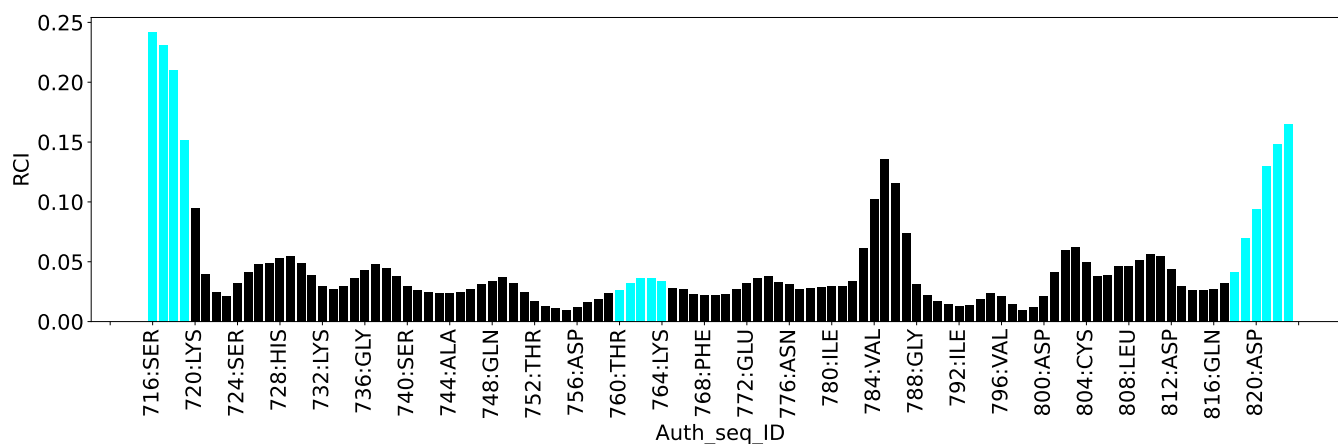
List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	765	ARG	NE	111.48	76.53 – 92.65	16.7
1	A	756	ASP	HA	6.14	3.04 – 6.12	5.1

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:



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	2346
Intra-residue ($ i-j =0$)	1018
Sequential ($ i-j =1$)	515
Medium range ($ i-j >1$ and $ i-j <5$)	145
Long range ($ i-j \geq 5$)	668
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	5
Number of restraints per residue	20.6
Number of long range restraints per residue ¹	5.9

¹Long 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)	83.2	0.2
0.2-0.5 (Medium)	116.5	0.5
>0.5 (Large)	152.2	4.96

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 ⓘ

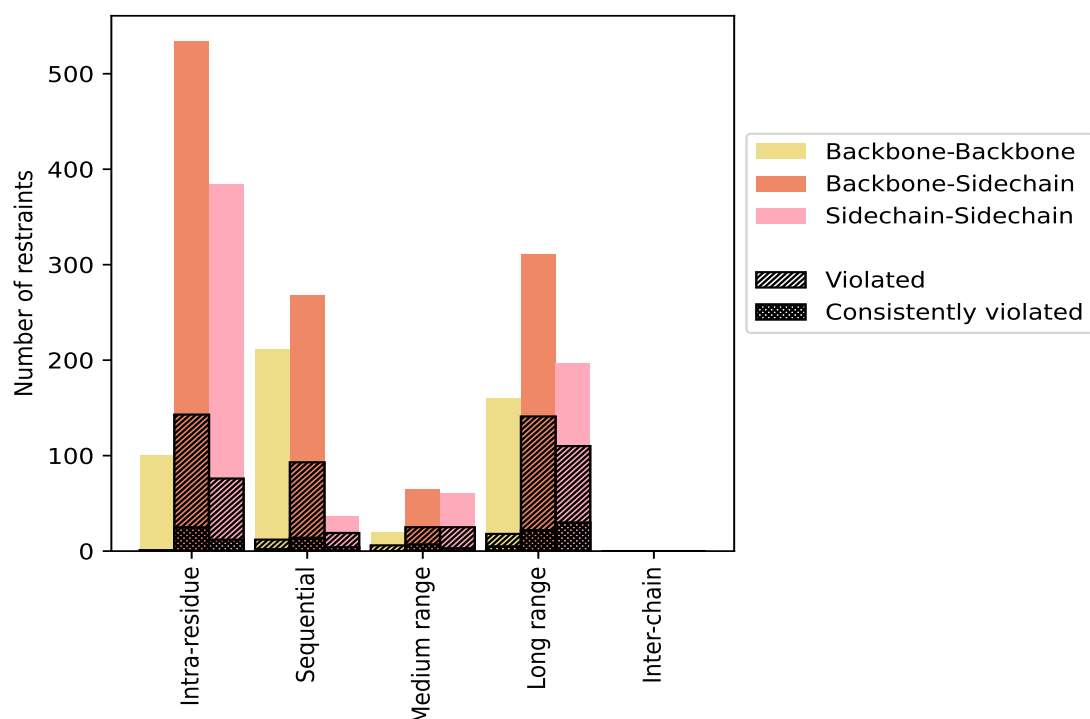
9.1 Summary of distance violations ⓘ

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.

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue ($i-j =0$)	1018	43.4	220	21.6	9.4	37	3.6	1.6
Backbone-Backbone	100	4.3	1	1.0	0.0	0	0.0	0.0
Backbone-Sidechain	534	22.8	143	26.8	6.1	25	4.7	1.1
Sidechain-Sidechain	384	16.4	76	19.8	3.2	12	3.1	0.5
Sequential ($i-j =1$)	515	22.0	124	24.1	5.3	20	3.9	0.9
Backbone-Backbone	211	9.0	12	5.7	0.5	2	0.9	0.1
Backbone-Sidechain	268	11.4	93	34.7	4.0	14	5.2	0.6
Sidechain-Sidechain	36	1.5	19	52.8	0.8	4	11.1	0.2
Medium range ($i-j >1$ & $i-j <5$)	145	6.2	56	38.6	2.4	10	6.9	0.4
Backbone-Backbone	20	0.9	6	30.0	0.3	0	0.0	0.0
Backbone-Sidechain	65	2.8	25	38.5	1.1	7	10.8	0.3
Sidechain-Sidechain	60	2.6	25	41.7	1.1	3	5.0	0.1
Long range ($i-j \geq 5$)	668	28.5	269	40.3	11.5	57	8.5	2.4
Backbone-Backbone	160	6.8	18	11.2	0.8	5	3.1	0.2
Backbone-Sidechain	311	13.3	141	45.3	6.0	22	7.1	0.9
Sidechain-Sidechain	197	8.4	110	55.8	4.7	30	15.2	1.3
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	2346	100.0	669	28.5	28.5	124	5.3	5.3
Backbone-Backbone	491	20.9	37	7.5	1.6	7	1.4	0.3
Backbone-Sidechain	1178	50.2	402	34.1	17.1	68	5.8	2.9
Sidechain-Sidechain	677	28.9	230	34.0	9.8	49	7.2	2.1

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 [i](#)



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 [i](#)

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	110	62	29	148	0	349	0.63	3.63	0.63	0.41
2	110	68	31	149	0	358	0.63	3.1	0.58	0.42
3	112	68	31	139	0	350	0.62	3.67	0.58	0.4
4	115	56	29	129	0	329	0.54	3.86	0.51	0.36
5	102	68	34	143	0	347	0.64	4.26	0.61	0.41
6	100	67	26	143	0	336	0.65	4.96	0.64	0.43
7	114	64	30	150	0	358	0.62	3.14	0.58	0.42
8	114	67	28	151	0	360	0.66	3.73	0.62	0.43
9	108	64	23	138	0	333	0.57	3.02	0.51	0.4
10	127	73	28	166	0	394	0.65	3.79	0.61	0.4

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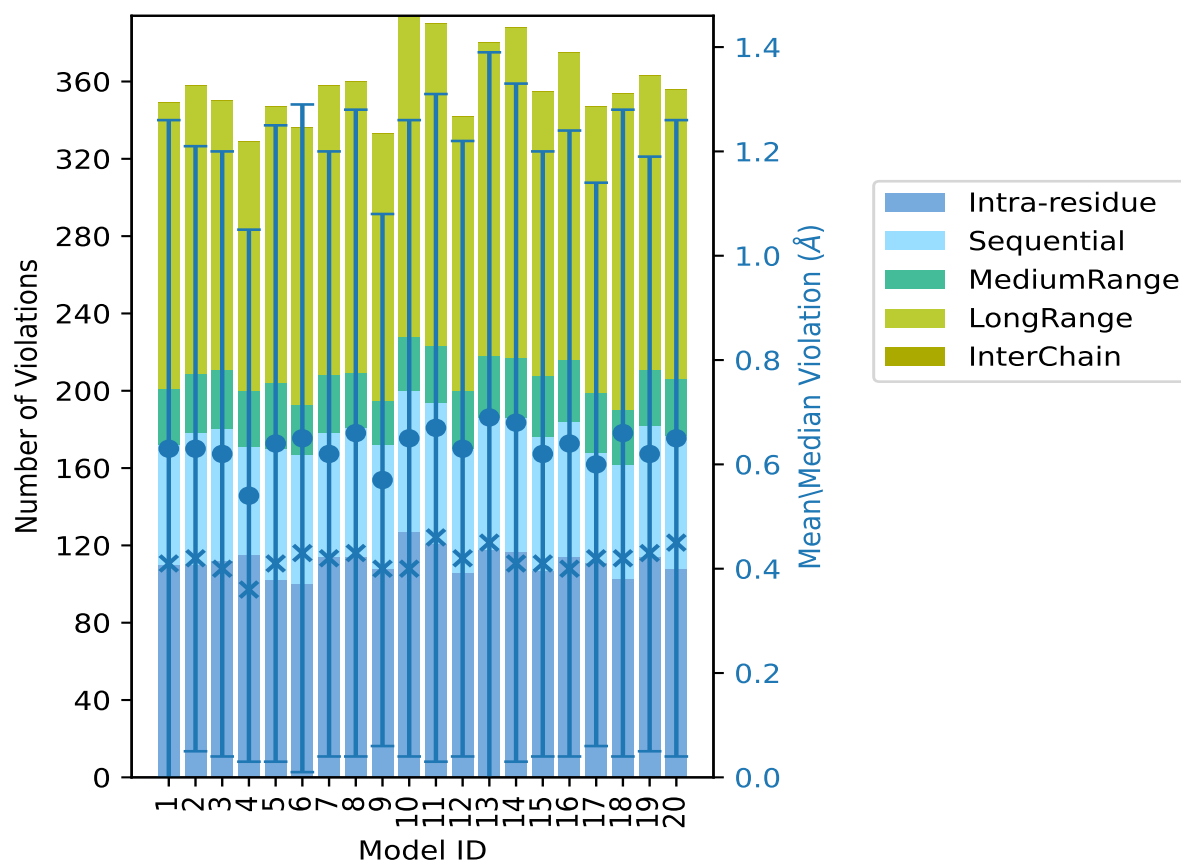
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	121	73	29	167	0	390	0.67	3.59	0.64	0.46
12	106	64	30	142	0	342	0.63	3.82	0.59	0.42
13	118	68	32	162	0	380	0.69	4.94	0.7	0.45
14	117	69	31	171	0	388	0.68	3.6	0.65	0.41
15	107	69	32	147	0	355	0.62	3.32	0.58	0.41
16	114	70	32	159	0	375	0.64	3.24	0.6	0.4
17	111	57	31	148	0	347	0.6	2.95	0.54	0.42
18	103	59	28	164	0	354	0.66	3.32	0.62	0.42
19	114	68	29	152	0	363	0.62	3.71	0.57	0.43
20	108	69	29	150	0	356	0.65	3.79	0.61	0.45

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

⁵Inter-chain restraints, ⁶Standard 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

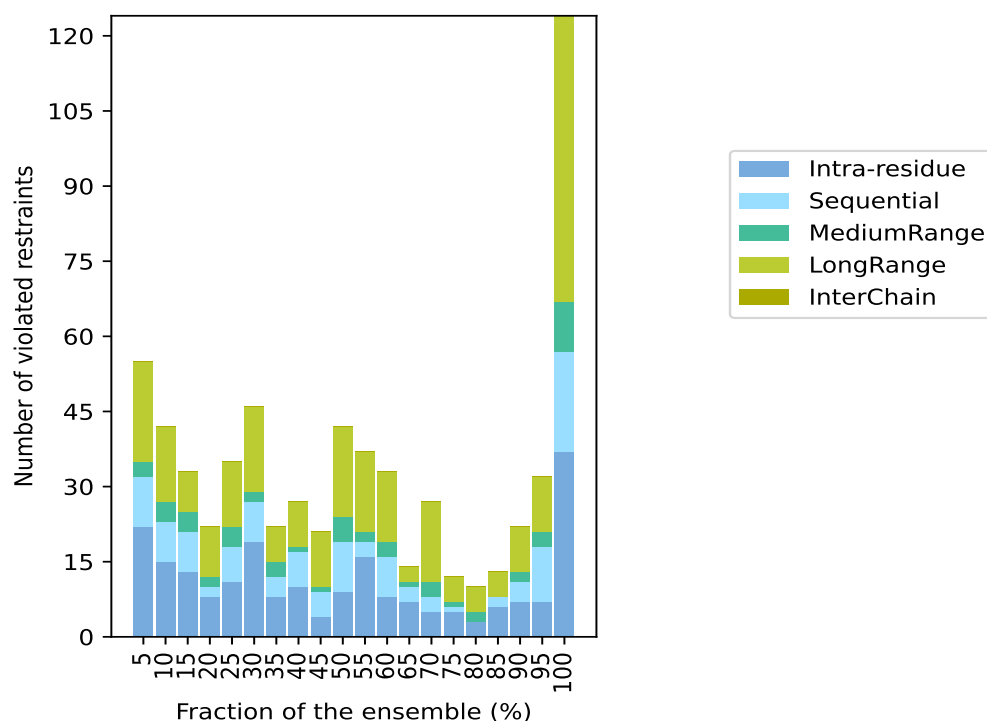
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 1677(IR:798, SQ:391, MR:89, LR:399, IC:0) restraints are 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	%
22	10	3	20	0	55	1	5.0
15	8	4	15	0	42	2	10.0
13	8	4	8	0	33	3	15.0
8	2	2	10	0	22	4	20.0
11	7	4	13	0	35	5	25.0
19	8	2	17	0	46	6	30.0
8	4	3	7	0	22	7	35.0
10	7	1	9	0	27	8	40.0
4	5	1	11	0	21	9	45.0
9	10	5	18	0	42	10	50.0
16	3	2	16	0	37	11	55.0
8	8	3	14	0	33	12	60.0
7	3	1	3	0	14	13	65.0
5	3	3	16	0	27	14	70.0
5	1	1	5	0	12	15	75.0
3	0	2	5	0	10	16	80.0
6	2	0	5	0	13	17	85.0
7	4	2	9	0	22	18	90.0
7	11	3	11	0	32	19	95.0
37	20	10	57	0	124	20	100.0

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

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

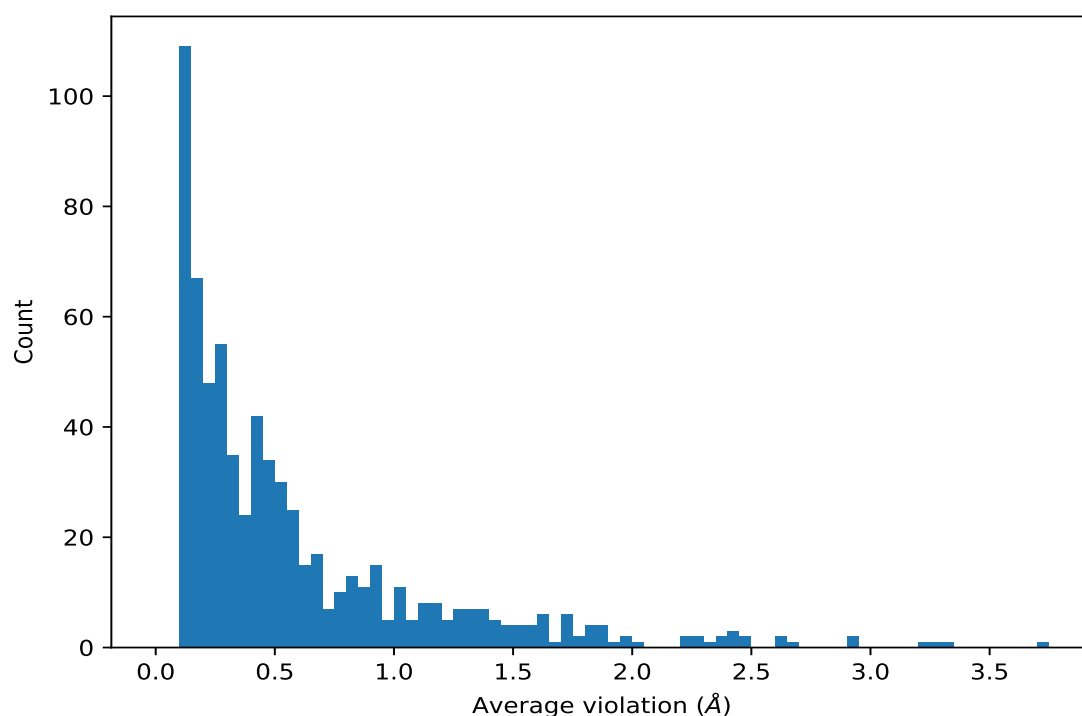
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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 the violation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint. 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)
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	20	2.93	0.07	2.94
(1,2251)	1:754:A:THR:HG21	1:780:A:ILE:HG22	20	2.93	0.07	2.94
(1,2112)	1:778:A:TYR:HA	1:753:A:LEU:HD21	20	1.87	0.26	1.78
(1,2112)	1:778:A:TYR:HA	1:770:A:ILE:HG22	20	1.87	0.26	1.78
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	20	1.8	0.04	1.81
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	20	1.79	0.08	1.79
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	20	1.72	0.06	1.72
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	20	1.7	0.12	1.7
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	20	1.64	0.03	1.64
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	20	1.55	0.46	1.72
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	20	1.53	0.91	2.06
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	20	1.52	0.09	1.52
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	20	1.5	0.17	1.52
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	20	1.5	0.23	1.46
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	20	1.49	0.42	1.75
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	20	1.47	0.12	1.52

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	20	1.46	0.06	1.46
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	20	1.46	0.12	1.47
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	20	1.42	0.41	1.67
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	20	1.37	0.39	1.51
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	20	1.37	0.1	1.38
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	20	1.34	0.17	1.39
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	20	1.33	0.67	1.78
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	20	1.32	0.09	1.35
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	20	1.29	0.1	1.35
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	20	1.26	0.43	1.37
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	20	1.25	0.12	1.25
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	20	1.22	0.17	1.27
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	20	1.21	0.11	1.23
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD3	20	1.18	0.15	1.16
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD2	20	1.18	0.15	1.16
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	20	1.18	0.12	1.19
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	20	1.15	0.65	1.5
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	20	1.14	0.03	1.14
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	20	1.1	0.12	1.11
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	20	1.06	0.04	1.08
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	20	1.04	0.33	1.14
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	20	0.94	0.15	0.94
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	20	0.94	0.05	0.96
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	20	0.94	0.16	0.97
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	20	0.9	0.24	0.79
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	20	0.88	1.31	0.14
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	20	0.87	0.1	0.87
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	20	0.87	0.46	1.2
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	20	0.85	0.15	0.9
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	20	0.85	0.29	0.81
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	20	0.81	0.1	0.8
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	20	0.8	0.19	0.8
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	20	0.8	0.03	0.8
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	20	0.79	0.11	0.81
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	20	0.79	0.08	0.8
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	20	0.77	0.06	0.79
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	20	0.77	0.39	0.98
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	20	0.77	0.61	0.44
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	20	0.72	0.1	0.7
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	20	0.67	0.34	0.54
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	20	0.62	0.05	0.6
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	20	0.59	0.06	0.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	20	0.59	0.04	0.6
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	20	0.58	0.17	0.57
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	20	0.58	0.25	0.66
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	20	0.57	0.15	0.63
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	20	0.55	0.11	0.52
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	20	0.55	0.02	0.55
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	20	0.55	0.01	0.55
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	20	0.54	0.0	0.54
(1,2169)	1:766:A:LYS:HE3	1:766:A:LYS:HD2	20	0.54	0.06	0.56
(1,2169)	1:799:A:LYS:HE3	1:799:A:LYS:HD2	20	0.54	0.06	0.56
(1,2169)	1:726:A:LYS:HE2	1:726:A:LYS:HD3	20	0.54	0.06	0.56
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	20	0.53	0.13	0.57
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	20	0.53	0.14	0.5
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	20	0.53	0.15	0.59
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	20	0.52	0.03	0.52
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	20	0.51	0.06	0.53
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	20	0.49	0.11	0.5
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	20	0.49	0.35	0.24
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	20	0.48	0.03	0.48
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	20	0.47	0.05	0.47
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	20	0.46	0.03	0.46
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	20	0.45	0.09	0.46
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	20	0.45	0.1	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	20	0.44	0.0	0.44
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	20	0.44	0.19	0.42
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	20	0.43	0.04	0.44
(1,2277)	1:793:A:LEU:H	1:793:A:LEU:HG	20	0.43	0.04	0.44
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	20	0.43	0.17	0.44
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	20	0.43	0.06	0.44
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	20	0.41	0.09	0.4
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HB3	20	0.41	0.09	0.42
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HD3	20	0.41	0.09	0.42
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	20	0.4	0.08	0.38
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE3	20	0.4	0.08	0.38
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	20	0.4	0.02	0.4
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	20	0.39	0.02	0.4
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	20	0.39	0.1	0.43
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	20	0.37	0.08	0.4
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	20	0.37	0.01	0.37
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	20	0.36	0.17	0.32
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	20	0.36	0.03	0.36
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	20	0.36	0.04	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	20	0.35	0.03	0.36
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	20	0.34	0.14	0.35
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE2	20	0.34	0.14	0.35
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	20	0.33	0.09	0.33
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	20	0.32	0.03	0.32
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	20	0.32	0.01	0.32
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	20	0.32	0.11	0.34
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	20	0.31	0.03	0.31
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	20	0.31	0.04	0.3
(1,2338)	1:727:A:LEU:H	1:727:A:LEU:HD11	20	0.31	0.12	0.3
(1,2338)	1:727:A:LEU:H	1:725:A:LEU:HD11	20	0.31	0.12	0.3
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	20	0.3	0.01	0.31
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	20	0.3	0.0	0.3
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	20	0.3	0.02	0.31
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	20	0.3	0.07	0.29
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	20	0.29	0.03	0.3
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	20	0.27	0.04	0.28
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	20	0.27	0.03	0.27
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	20	0.27	0.02	0.27
(1,2213)	1:766:A:LYS:HE3	1:766:A:LYS:HD2	20	0.26	0.03	0.27
(1,2213)	1:726:A:LYS:HD2	1:726:A:LYS:HE3	20	0.26	0.03	0.27
(1,2213)	1:766:A:LYS:HD3	1:766:A:LYS:HE3	20	0.26	0.03	0.27
(1,2213)	1:771:A:LYS:HE3	1:771:A:LYS:HD2	20	0.26	0.03	0.27
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	20	0.26	0.03	0.26
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	20	0.24	0.11	0.2
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	20	0.23	0.03	0.23
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	20	0.23	0.0	0.23
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	20	0.22	0.02	0.22
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	20	0.21	0.02	0.2
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG21	20	0.19	0.01	0.19
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG22	20	0.19	0.01	0.19
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG23	20	0.19	0.01	0.19
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	20	0.19	0.05	0.2
(1,2171)	1:771:A:LYS:HE3	1:752:A:THR:HG21	20	0.19	0.05	0.18
(1,2171)	1:771:A:LYS:HE2	1:752:A:THR:HG21	20	0.19	0.05	0.18
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	20	0.18	0.03	0.18
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	20	0.17	0.01	0.17
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	20	0.16	0.02	0.16
(1,2098)	1:805:A:VAL:HA	1:804:A:CYS:HA	20	0.16	0.02	0.16
(1,2098)	1:805:A:VAL:HA	1:806:A:VAL:HA	20	0.16	0.02	0.16
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	20	0.15	0.03	0.15
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	19	2.43	1.52	2.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	19	1.85	0.28	1.77
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	19	1.56	0.34	1.63
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	19	1.12	0.59	1.0
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	19	0.83	0.59	0.67
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	19	0.77	0.2	0.79
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	19	0.72	0.08	0.72
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB2	19	0.68	0.44	0.47
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB3	19	0.68	0.44	0.47
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	19	0.64	0.0	0.64
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	19	0.58	0.34	0.78
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	19	0.56	0.2	0.58
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	19	0.51	0.16	0.58
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	19	0.49	0.1	0.49
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	19	0.44	0.15	0.46
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	19	0.41	0.23	0.3
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	19	0.4	0.12	0.42
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	19	0.33	0.06	0.35
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	19	0.31	0.11	0.31
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	19	0.28	0.03	0.29
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	19	0.27	0.08	0.26
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	19	0.23	0.06	0.24
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	19	0.22	0.07	0.23
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	19	0.21	0.04	0.22
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	19	0.21	0.03	0.21
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	19	0.21	0.07	0.21
(1,2287)	1:755:A:TYR:H	1:754:A:THR:H	19	0.2	0.04	0.21
(1,2287)	1:754:A:THR:H	1:753:A:LEU:H	19	0.2	0.04	0.21
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	19	0.17	0.03	0.16
(1,2187)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	19	0.17	0.03	0.16
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	19	0.16	0.03	0.16
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	19	0.15	0.02	0.15
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	19	0.15	0.03	0.15
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	19	0.14	0.01	0.14
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	19	0.14	0.03	0.13
(1,2178)	1:781:A:LYS:HE2	1:779:A:VAL:HG21	18	1.72	1.16	1.48
(1,2178)	1:781:A:LYS:HE3	1:779:A:VAL:HG21	18	1.72	1.16	1.48
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	18	1.03	0.06	1.02
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	18	0.98	0.55	0.9
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	18	0.87	0.32	0.9
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	18	0.64	0.3	0.7
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	18	0.54	0.03	0.55
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	18	0.54	0.09	0.55

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD3	18	0.54	0.09	0.55
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	18	0.47	0.05	0.47
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	18	0.47	0.06	0.46
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	18	0.46	0.07	0.46
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	18	0.41	0.11	0.39
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	18	0.34	0.09	0.36
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	18	0.34	0.16	0.44
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	18	0.33	0.02	0.33
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	18	0.28	0.07	0.3
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	18	0.24	0.08	0.26
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	18	0.19	0.09	0.12
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	18	0.17	0.02	0.16
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	18	0.15	0.04	0.15
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	18	0.15	0.03	0.15
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	18	0.14	0.03	0.14
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	18	0.13	0.01	0.13
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	17	1.38	0.78	1.38
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE3	17	0.83	0.09	0.84
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE2	17	0.83	0.09	0.84
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD2	17	0.64	0.16	0.62
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD3	17	0.64	0.16	0.62
(1,1018)	1:787:A:THR:HG23	1:819:A:ARG:HD2	17	0.64	0.16	0.62
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	17	0.45	0.11	0.49
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	17	0.44	0.12	0.49
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	17	0.41	0.26	0.23
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	17	0.4	0.08	0.41
(1,2174)	1:790:A:ASP:HB3	1:791:A:TYR:HA	17	0.26	0.09	0.26
(1,2174)	1:790:A:ASP:HB2	1:791:A:TYR:HA	17	0.26	0.09	0.26
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	17	0.19	0.01	0.2
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	17	0.18	0.06	0.17
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	17	0.18	0.03	0.18
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	17	0.16	0.03	0.16
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	17	0.15	0.03	0.15
(1,606)	1:765:A:ARG:HD2	1:758:A:ILE:HD11	16	1.34	0.5	1.56
(1,947)	1:774:A:LYS:HG3	1:750:A:PRO:HB2	16	1.08	0.57	1.4
(1,1976)	1:748:A:GLN:HE22	1:746:A:LYS:HG2	16	0.92	0.57	0.92
(1,357)	1:816:A:GLN:HA	1:790:A:ASP:HB2	16	0.9	0.42	1.04
(1,2166)	1:766:A:LYS:HE2	1:766:A:LYS:HG2	16	0.49	0.25	0.46
(1,2166)	1:732:A:LYS:HE2	1:732:A:LYS:HG2	16	0.49	0.25	0.46
(1,2166)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	16	0.49	0.25	0.46
(1,425)	1:727:A:LEU:HA	1:742:A:PRO:HD3	16	0.43	0.13	0.4
(1,474)	1:800:A:ASP:HA	1:800:A:ASP:HB3	16	0.22	0.0	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1598)	1:720:A:LYS:H	1:718:A:ARG:HA	16	0.2	0.05	0.2
(1,628)	1:778:A:TYR:HB3	1:773:A:ILE:HD11	16	0.13	0.02	0.14
(1,149)	1:754:A:THR:HA	1:754:A:THR:HG21	16	0.13	0.02	0.12
(1,2249)	1:779:A:VAL:HG21	1:781:A:LYS:HG3	15	1.78	0.59	1.99
(1,914)	1:765:A:ARG:HG2	1:758:A:ILE:HG13	15	1.23	0.1	1.23
(1,26)	1:739:A:SER:HB2	1:733:A:LEU:HD21	15	1.17	0.54	1.21
(1,170)	1:758:A:ILE:HA	1:765:A:ARG:HB3	15	0.78	0.25	0.82
(1,2304)	1:765:A:ARG:H	1:765:A:ARG:HG2	15	0.56	0.07	0.58
(1,381)	1:765:A:ARG:HA	1:765:A:ARG:HG2	15	0.43	0.06	0.44
(1,379)	1:765:A:ARG:HA	1:765:A:ARG:HB3	15	0.4	0.01	0.4
(1,1599)	1:720:A:LYS:H	1:721:A:PRO:HD2	15	0.34	0.07	0.33
(1,1187)	1:743:A:VAL:HG11	1:743:A:VAL:HA	15	0.25	0.01	0.25
(1,1581)	1:765:A:ARG:H	1:759:A:GLU:HG2	15	0.23	0.13	0.18
(1,2121)	1:732:A:LYS:HA	1:732:A:LYS:HG2	15	0.21	0.07	0.2
(1,1351)	1:788:A:GLY:H	1:818:A:ARG:HA	15	0.16	0.04	0.16
(1,415)	1:781:A:LYS:HA	1:779:A:VAL:HG21	14	2.32	0.08	2.35
(1,274)	1:740:A:SER:HA	1:779:A:VAL:HG21	14	1.32	0.19	1.32
(1,1970)	1:779:A:VAL:H	1:779:A:VAL:HG11	14	1.13	0.02	1.12
(1,1759)	1:780:A:ILE:H	1:779:A:VAL:HG21	14	0.94	0.06	0.92
(1,1348)	1:743:A:VAL:H	1:779:A:VAL:HG11	14	0.89	0.1	0.9
(1,1896)	1:777:A:GLU:H	1:777:A:GLU:HB3	14	0.8	0.19	0.84
(1,1277)	1:741:A:VAL:H	1:779:A:VAL:HG21	14	0.68	0.13	0.72
(1,2110)	1:735:A:LEU:HA	1:817:A:VAL:HG11	14	0.67	0.41	0.62
(1,2110)	1:735:A:LEU:HA	1:735:A:LEU:HD21	14	0.67	0.41	0.62
(1,1035)	1:817:A:VAL:HG11	1:733:A:LEU:HB3	14	0.66	0.32	0.76
(1,172)	1:758:A:ILE:HA	1:765:A:ARG:HG2	14	0.54	0.21	0.5
(1,132)	1:817:A:VAL:HA	1:733:A:LEU:HB3	14	0.47	0.07	0.5
(1,265)	1:778:A:TYR:HA	1:779:A:VAL:HG11	14	0.47	0.02	0.47
(1,620)	1:733:A:LEU:HB2	1:737:A:ASP:HB2	14	0.46	0.16	0.52
(1,789)	1:720:A:LYS:HB2	1:806:A:VAL:HG11	14	0.46	0.25	0.44
(1,1027)	1:779:A:VAL:HB	1:779:A:VAL:HG21	14	0.38	0.0	0.38
(1,990)	1:723:A:ALA:HB1	1:746:A:LYS:HB3	14	0.37	0.21	0.36
(1,2229)	1:770:A:ILE:HG13	1:755:A:TYR:HE1	14	0.33	0.12	0.38
(1,2229)	1:770:A:ILE:HG12	1:755:A:TYR:HE1	14	0.33	0.12	0.38
(1,2099)	1:805:A:VAL:HA	1:799:A:LYS:HG2	14	0.29	0.1	0.3
(1,2099)	1:805:A:VAL:HA	1:799:A:LYS:HG3	14	0.29	0.1	0.3
(1,78)	1:742:A:PRO:HA	1:779:A:VAL:HG11	14	0.29	0.04	0.3
(1,681)	1:757:A:ILE:HB	1:766:A:LYS:HB2	14	0.28	0.15	0.24
(1,623)	1:733:A:LEU:HB2	1:737:A:ASP:HB3	14	0.25	0.07	0.26
(1,1154)	1:742:A:PRO:HD2	1:741:A:VAL:HB	14	0.25	0.14	0.21
(1,1172)	1:765:A:ARG:HB3	1:758:A:ILE:HG21	14	0.22	0.05	0.24
(1,1241)	1:725:A:LEU:H	1:725:A:LEU:HD11	14	0.21	0.02	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,991)	1:725:A:LEU:HD21	1:725:A:LEU:HB2	14	0.17	0.03	0.18
(1,212)	1:797:A:SER:HA	1:808:A:LEU:HA	14	0.14	0.02	0.14
(1,2023)	1:724:A:SER:H	1:743:A:VAL:HA	14	0.12	0.01	0.12
(1,706)	1:799:A:LYS:HB3	1:805:A:VAL:HG11	13	1.42	0.6	1.66
(1,296)	1:819:A:ARG:HA	1:819:A:ARG:HD3	13	0.96	0.29	0.98
(1,290)	1:819:A:ARG:HA	1:735:A:LEU:HB3	13	0.88	0.09	0.89
(1,2156)	1:765:A:ARG:HD3	1:765:A:ARG:HB3	13	0.61	0.08	0.63
(1,2315)	1:719:A:VAL:H	1:718:A:ARG:HB3	13	0.5	0.14	0.55
(1,2315)	1:719:A:VAL:H	1:718:A:ARG:HB2	13	0.5	0.14	0.55
(1,2119)	1:814:A:LYS:HA	1:814:A:LYS:HB2	13	0.33	0.17	0.48
(1,2119)	1:771:A:LYS:HA	1:771:A:LYS:HB2	13	0.33	0.17	0.48
(1,705)	1:799:A:LYS:HB2	1:799:A:LYS:HE3	13	0.29	0.16	0.25
(1,1180)	1:757:A:ILE:HG12	1:755:A:TYR:HD1	13	0.23	0.06	0.23
(1,1546)	1:814:A:LYS:H	1:814:A:LYS:HG2	13	0.22	0.06	0.23
(1,1908)	1:776:A:ASN:HD21	1:775:A:THR:HB	13	0.21	0.03	0.22
(1,1551)	1:745:A:LEU:H	1:776:A:ASN:HB2	13	0.19	0.08	0.15
(1,2245)	1:727:A:LEU:HD11	1:728:A:HIS:HA	13	0.18	0.07	0.17
(1,2245)	1:727:A:LEU:HD21	1:728:A:HIS:HA	13	0.18	0.07	0.17
(1,1929)	1:810:A:GLN:HE21	1:810:A:GLN:HA	13	0.18	0.03	0.18
(1,2135)	1:781:A:LYS:HA	1:781:A:LYS:HB3	13	0.15	0.03	0.15
(1,2135)	1:781:A:LYS:HA	1:781:A:LYS:HB2	13	0.15	0.03	0.15
(1,1073)	1:815:A:ILE:HG21	1:733:A:LEU:HD21	12	1.88	0.29	1.81
(1,983)	1:733:A:LEU:HD11	1:733:A:LEU:HA	12	1.72	0.08	1.74
(1,47)	1:740:A:SER:HB3	1:779:A:VAL:HG21	12	1.4	0.42	1.45
(1,1401)	1:736:A:GLY:H	1:735:A:LEU:HD21	12	1.29	0.14	1.23
(1,1842)	1:737:A:ASP:H	1:735:A:LEU:HD21	12	1.27	0.12	1.25
(1,565)	1:736:A:GLY:HA3	1:786:A:THR:HG21	12	1.12	0.55	1.38
(1,986)	1:735:A:LEU:HD21	1:786:A:THR:HA	12	0.99	0.28	0.9
(1,726)	1:750:A:PRO:HB2	1:774:A:LYS:HG2	12	0.98	0.1	0.98
(1,1648)	1:732:A:LYS:H	1:731:A:LEU:HD21	12	0.92	0.28	1.0
(1,962)	1:733:A:LEU:HD11	1:731:A:LEU:HA	12	0.92	0.3	0.96
(1,2261)	1:795:A:LEU:HD13	1:724:A:SER:HA	12	0.91	0.73	0.81
(1,2261)	1:795:A:LEU:HD12	1:724:A:SER:HA	12	0.91	0.73	0.81
(1,558)	1:736:A:GLY:HA2	1:735:A:LEU:HD21	12	0.91	0.18	0.95
(1,564)	1:736:A:GLY:HA3	1:735:A:LEU:HD21	12	0.89	0.16	0.9
(1,1394)	1:734:A:CYS:H	1:733:A:LEU:HD11	12	0.8	0.2	0.8
(1,1918)	1:787:A:THR:H	1:817:A:VAL:HG11	12	0.72	0.86	0.12
(1,938)	1:733:A:LEU:HB2	1:733:A:LEU:HD21	12	0.68	0.03	0.66
(1,716)	1:750:A:PRO:HB3	1:750:A:PRO:HD3	12	0.67	0.02	0.68
(1,932)	1:753:A:LEU:HB2	1:753:A:LEU:HD21	12	0.54	0.3	0.4
(1,708)	1:759:A:GLU:HG2	1:760:A:THR:HG21	12	0.45	0.38	0.16
(1,723)	1:750:A:PRO:HB2	1:772:A:GLU:HA	12	0.45	0.11	0.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,971)	1:793:A:LEU:HB2	1:793:A:LEU:HD21	12	0.44	0.06	0.47
(1,241)	1:774:A:LYS:HA	1:750:A:PRO:HD2	12	0.4	0.09	0.4
(1,945)	1:750:A:PRO:HA	1:750:A:PRO:HG2	12	0.37	0.02	0.36
(1,722)	1:750:A:PRO:HA	1:750:A:PRO:HB2	12	0.28	0.02	0.29
(1,278)	1:751:A:PHE:HA	1:800:A:ASP:HB3	12	0.26	0.09	0.29
(1,556)	1:736:A:GLY:HA2	1:735:A:LEU:HB2	12	0.23	0.05	0.24
(1,904)	1:815:A:ILE:HA	1:731:A:LEU:HG	12	0.2	0.03	0.21
(1,2244)	1:781:A:LYS:HG3	1:738:A:HIS:HD2	12	0.2	0.07	0.2
(1,2244)	1:781:A:LYS:HG2	1:738:A:HIS:HD2	12	0.2	0.07	0.2
(1,2299)	1:778:A:TYR:H	1:743:A:VAL:HG11	12	0.18	0.06	0.18
(1,1991)	1:793:A:LEU:H	1:758:A:ILE:HG12	12	0.18	0.05	0.16
(1,2170)	1:732:A:LYS:HE2	1:732:A:LYS:HG2	12	0.18	0.12	0.14
(1,2170)	1:726:A:LYS:HE3	1:726:A:LYS:HG2	12	0.18	0.12	0.14
(1,2170)	1:771:A:LYS:HE2	1:771:A:LYS:HG2	12	0.18	0.12	0.14
(1,1893)	1:777:A:GLU:H	1:776:A:ASN:HB3	12	0.17	0.01	0.16
(1,1935)	1:775:A:THR:H	1:773:A:ILE:HA	12	0.13	0.02	0.13
(1,1014)	1:786:A:THR:HG21	1:784:A:VAL:HG21	11	2.38	0.71	2.6
(1,1493)	1:798:A:ILE:H	1:805:A:VAL:HG11	11	2.24	0.4	2.3
(1,1717)	1:719:A:VAL:H	1:719:A:VAL:HG11	11	1.45	0.08	1.43
(1,1919)	1:748:A:GLN:HE21	1:746:A:LYS:HG2	11	1.27	0.28	1.27
(1,604)	1:819:A:ARG:HD3	1:735:A:LEU:HD11	11	0.96	0.59	0.94
(1,968)	1:731:A:LEU:HB3	1:731:A:LEU:HD11	11	0.89	0.24	0.77
(1,443)	1:799:A:LYS:HA	1:805:A:VAL:HG11	11	0.86	0.18	0.85
(1,1031)	1:805:A:VAL:HG11	1:805:A:VAL:HA	11	0.73	0.25	0.55
(1,2168)	1:735:A:LEU:HB3	1:819:A:ARG:HB3	11	0.69	0.35	0.68
(1,2168)	1:735:A:LEU:HB3	1:819:A:ARG:HB2	11	0.69	0.35	0.68
(1,883)	1:815:A:ILE:HG12	1:731:A:LEU:HB2	11	0.61	0.13	0.6
(1,1641)	1:805:A:VAL:H	1:805:A:VAL:HG21	11	0.57	0.02	0.57
(1,982)	1:733:A:LEU:HD11	1:732:A:LYS:HA	11	0.54	0.29	0.67
(1,2058)	1:816:A:GLN:HE21	1:732:A:LYS:HE3	11	0.53	0.4	0.32
(1,2058)	1:816:A:GLN:HE21	1:732:A:LYS:HE2	11	0.53	0.4	0.32
(1,619)	1:818:A:ARG:HD3	1:818:A:ARG:HB2	11	0.52	0.04	0.53
(1,117)	1:719:A:VAL:HA	1:719:A:VAL:HG21	11	0.51	0.01	0.51
(1,2342)	1:751:A:PHE:H	1:774:A:LYS:HE3	11	0.47	0.15	0.52
(1,2342)	1:751:A:PHE:H	1:774:A:LYS:HE2	11	0.47	0.15	0.52
(1,2231)	1:793:A:LEU:HB3	1:793:A:LEU:HD11	11	0.46	0.15	0.41
(1,2231)	1:757:A:ILE:HG12	1:793:A:LEU:HD11	11	0.46	0.15	0.41
(1,1028)	1:733:A:LEU:HB3	1:817:A:VAL:HG21	11	0.46	0.27	0.5
(1,111)	1:787:A:THR:HA	1:735:A:LEU:HD21	11	0.43	0.2	0.41
(1,398)	1:731:A:LEU:HA	1:731:A:LEU:HD21	11	0.42	0.18	0.34
(1,2271)	1:795:A:LEU:H	1:795:A:LEU:HD21	11	0.38	0.07	0.37
(1,2271)	1:795:A:LEU:H	1:795:A:LEU:HD11	11	0.38	0.07	0.37

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,909)	1:721:A:PRO:HG2	1:806:A:VAL:HG13	11	0.29	0.13	0.26
(1,909)	1:721:A:PRO:HG2	1:806:A:VAL:HG11	11	0.29	0.13	0.26
(1,2303)	1:766:A:LYS:H	1:766:A:LYS:HG3	11	0.28	0.12	0.29
(1,2303)	1:766:A:LYS:H	1:757:A:ILE:HG21	11	0.28	0.12	0.29
(1,188)	1:815:A:ILE:HA	1:731:A:LEU:HB2	11	0.28	0.03	0.28
(1,1046)	1:741:A:VAL:HG21	1:780:A:ILE:HB	11	0.25	0.12	0.2
(1,2321)	1:764:A:LYS:H	1:763:A:SER:HB2	11	0.23	0.07	0.22
(1,903)	1:731:A:LEU:HB2	1:731:A:LEU:HG	11	0.19	0.0	0.19
(1,2276)	1:753:A:LEU:H	1:770:A:ILE:HG21	11	0.18	0.11	0.13
(1,2276)	1:753:A:LEU:H	1:798:A:ILE:HD11	11	0.18	0.11	0.13
(1,616)	1:818:A:ARG:HD2	1:818:A:ARG:HB2	11	0.18	0.04	0.17
(1,1)	1:752:A:THR:HB	1:799:A:LYS:HA	11	0.17	0.04	0.15
(1,2239)	1:771:A:LYS:HE2	1:771:A:LYS:HG2	11	0.17	0.04	0.19
(1,2153)	1:819:A:ARG:HD2	1:819:A:ARG:HA	11	0.16	0.04	0.17
(1,2153)	1:819:A:ARG:HA	1:819:A:ARG:HD3	11	0.16	0.04	0.17
(1,1228)	1:768:A:PHE:H	1:768:A:PHE:HD1	11	0.16	0.02	0.16
(1,1712)	1:719:A:VAL:H	1:720:A:LYS:HA	11	0.14	0.03	0.14
(1,1690)	1:747:A:GLY:H	1:776:A:ASN:HD21	11	0.14	0.03	0.14
(1,1074)	1:757:A:ILE:HG12	1:757:A:ILE:HG21	11	0.12	0.01	0.12
(1,430)	1:818:A:ARG:HA	1:818:A:ARG:HB2	11	0.12	0.01	0.12
(1,923)	1:793:A:LEU:HD11	1:782:A:THR:HG21	10	3.7	0.15	3.77
(1,925)	1:793:A:LEU:HD11	1:780:A:ILE:HG21	10	3.23	0.13	3.2
(1,1445)	1:754:A:THR:H	1:753:A:LEU:HD11	10	1.91	0.29	1.9
(1,455)	1:753:A:LEU:HA	1:753:A:LEU:HD11	10	1.65	0.08	1.66
(1,213)	1:798:A:ILE:HA	1:753:A:LEU:HD11	10	1.57	0.25	1.69
(1,1513)	1:813:A:ALA:H	1:793:A:LEU:HD21	10	1.41	0.15	1.38
(1,1856)	1:784:A:VAL:H	1:784:A:VAL:HG11	10	1.39	0.01	1.4
(1,46)	1:740:A:SER:HB2	1:779:A:VAL:HG21	10	1.24	0.76	1.4
(1,209)	1:785:A:PHE:HA	1:784:A:VAL:HG21	10	1.22	0.03	1.21
(1,72)	1:721:A:PRO:HA	1:719:A:VAL:HG11	10	1.19	0.45	1.19
(1,1036)	1:786:A:THR:HA	1:784:A:VAL:HG21	10	1.18	0.04	1.18
(1,839)	1:757:A:ILE:HG12	1:793:A:LEU:HD11	10	1.06	0.03	1.06
(1,1982)	1:748:A:GLN:H	1:746:A:LYS:HG2	10	1.04	0.34	1.04
(1,355)	1:794:A:SER:HA	1:793:A:LEU:HD21	10	1.02	0.08	1.04
(1,957)	1:745:A:LEU:HD22	1:753:A:LEU:HD23	10	1.0	0.38	1.1
(1,957)	1:745:A:LEU:HD22	1:753:A:LEU:HD22	10	1.0	0.38	1.1
(1,957)	1:745:A:LEU:HD21	1:753:A:LEU:HD23	10	1.0	0.38	1.1
(1,719)	1:743:A:VAL:HB	1:725:A:LEU:HD21	10	0.89	0.84	0.94
(1,297)	1:819:A:ARG:HA	1:735:A:LEU:HD11	10	0.81	0.41	0.8
(1,1038)	1:784:A:VAL:HG21	1:736:A:GLY:HA3	10	0.73	0.17	0.72
(1,2144)	1:742:A:PRO:HD3	1:727:A:LEU:HD21	10	0.65	0.27	0.77
(1,2144)	1:742:A:PRO:HD3	1:727:A:LEU:HD11	10	0.65	0.27	0.77

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1829)	1:785:A:PHE:H	1:784:A:VAL:HG21	10	0.61	0.03	0.6
(1,647)	1:766:A:LYS:HE2	1:766:A:LYS:HG3	10	0.59	0.26	0.74
(1,2214)	1:746:A:LYS:HD2	1:746:A:LYS:HA	10	0.58	0.07	0.6
(1,2214)	1:746:A:LYS:HD3	1:746:A:LYS:HA	10	0.58	0.07	0.6
(1,659)	1:790:A:ASP:HB3	1:760:A:THR:HA	10	0.56	0.48	0.4
(1,2129)	1:746:A:LYS:HA	1:746:A:LYS:HG2	10	0.44	0.01	0.45
(1,2129)	1:731:A:LEU:HA	1:731:A:LEU:HB3	10	0.44	0.01	0.45
(1,1070)	1:731:A:LEU:HB2	1:815:A:ILE:HG21	10	0.32	0.09	0.3
(1,841)	1:793:A:LEU:HG	1:757:A:ILE:HD11	10	0.29	0.01	0.29
(1,664)	1:752:A:THR:HB	1:799:A:LYS:HE3	10	0.27	0.18	0.16
(1,1646)	1:732:A:LYS:H	1:732:A:LYS:HG3	10	0.27	0.18	0.24
(1,2241)	1:766:A:LYS:HE2	1:766:A:LYS:HG2	10	0.26	0.24	0.16
(1,2241)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	10	0.26	0.24	0.16
(1,780)	1:817:A:VAL:HB	1:816:A:GLN:HE22	10	0.25	0.06	0.24
(1,1399)	1:736:A:GLY:H	1:735:A:LEU:HB2	10	0.24	0.08	0.24
(1,924)	1:793:A:LEU:HD11	1:757:A:ILE:HD11	10	0.19	0.02	0.18
(1,1326)	1:794:A:SER:H	1:793:A:LEU:HG	10	0.18	0.02	0.18
(1,2047)	1:740:A:SER:H	1:782:A:THR:HG21	10	0.16	0.04	0.15
(1,1256)	1:770:A:ILE:H	1:770:A:ILE:HD11	10	0.13	0.02	0.12
(1,1252)	1:770:A:ILE:H	1:752:A:THR:HA	10	0.13	0.02	0.12
(1,1700)	1:739:A:SER:H	1:738:A:HIS:H	10	0.12	0.01	0.12
(1,1852)	1:784:A:VAL:H	1:783:A:PRO:HB2	10	0.12	0.02	0.12
(1,953)	1:743:A:VAL:HB	1:745:A:LEU:HD21	10	0.12	0.01	0.12
(1,1448)	1:810:A:GLN:H	1:808:A:LEU:HA	10	0.12	0.01	0.12
(1,1743)	1:781:A:LYS:H	1:780:A:ILE:HG21	10	0.12	0.01	0.12
(1,43)	1:796:A:VAL:HA	1:796:A:VAL:HG21	10	0.11	0.01	0.11
(1,1054)	1:796:A:VAL:HG21	1:797:A:SER:HB2	9	1.37	0.44	1.52
(1,427)	1:727:A:LEU:HA	1:727:A:LEU:HD11	9	1.34	0.52	1.41
(1,200)	1:741:A:VAL:HA	1:731:A:LEU:HD11	9	1.32	0.58	1.44
(1,250)	1:722:A:SER:HA	1:753:A:LEU:HD11	9	1.28	0.52	1.52
(1,572)	1:756:A:ASP:HB3	1:765:A:ARG:HD3	9	1.2	0.82	1.15
(1,605)	1:819:A:ARG:HD3	1:735:A:LEU:HD21	9	1.18	0.53	1.02
(1,931)	1:753:A:LEU:HD21	1:770:A:ILE:HB	9	1.05	0.4	1.26
(1,2246)	1:727:A:LEU:HB2	1:727:A:LEU:HD21	9	0.61	0.16	0.63
(1,2246)	1:727:A:LEU:HB3	1:727:A:LEU:HD21	9	0.61	0.16	0.63
(1,811)	1:728:A:HIS:HB3	1:729:A:HIS:HD2	9	0.61	0.02	0.6
(1,1415)	1:752:A:THR:H	1:799:A:LYS:HB2	9	0.57	0.12	0.57
(1,980)	1:799:A:LYS:HG3	1:805:A:VAL:HG11	9	0.44	0.36	0.21
(1,28)	1:794:A:SER:HB2	1:796:A:VAL:HG21	9	0.42	0.1	0.4
(1,2207)	1:718:A:ARG:HD2	1:718:A:ARG:HB2	9	0.34	0.27	0.25
(1,2207)	1:819:A:ARG:HB3	1:819:A:ARG:HD2	9	0.34	0.27	0.25
(1,2207)	1:819:A:ARG:HB3	1:819:A:ARG:HD3	9	0.34	0.27	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2180)	1:785:A:PHE:HB3	1:817:A:VAL:HG21	9	0.3	0.13	0.29
(1,2180)	1:785:A:PHE:HB2	1:817:A:VAL:HG21	9	0.3	0.13	0.29
(1,1392)	1:751:A:PHE:H	1:773:A:ILE:HG12	9	0.21	0.06	0.2
(1,176)	1:815:A:ILE:HA	1:731:A:LEU:HB3	9	0.21	0.02	0.21
(1,1426)	1:815:A:ILE:H	1:814:A:LYS:HB2	9	0.17	0.03	0.17
(1,2282)	1:794:A:SER:H	1:758:A:ILE:HG13	9	0.16	0.04	0.14
(1,416)	1:781:A:LYS:HA	1:780:A:ILE:HG21	9	0.13	0.01	0.13
(1,638)	1:745:A:LEU:HB3	1:745:A:LEU:HD11	9	0.12	0.01	0.12
(1,1547)	1:814:A:LYS:H	1:813:A:ALA:HB1	9	0.12	0.02	0.11
(1,919)	1:725:A:LEU:HD11	1:813:A:ALA:HA	8	2.48	1.38	3.14
(1,1002)	1:753:A:LEU:HD11	1:798:A:ILE:HG12	8	1.44	0.57	1.7
(1,404)	1:720:A:LYS:HA	1:720:A:LYS:HE2	8	1.14	0.4	1.34
(1,1582)	1:765:A:ARG:H	1:765:A:ARG:HB2	8	0.65	0.03	0.64
(1,669)	1:730:A:ASP:HB2	1:815:A:ILE:HA	8	0.57	0.25	0.66
(1,960)	1:720:A:LYS:HG3	1:719:A:VAL:HG21	8	0.54	0.34	0.46
(1,568)	1:756:A:ASP:HB2	1:796:A:VAL:HG21	8	0.54	0.13	0.55
(1,786)	1:720:A:LYS:HB2	1:720:A:LYS:HE2	8	0.48	0.2	0.47
(1,2165)	1:732:A:LYS:HA	1:732:A:LYS:HE3	8	0.46	0.05	0.44
(1,2165)	1:732:A:LYS:HA	1:732:A:LYS:HE2	8	0.46	0.05	0.44
(1,1516)	1:789:A:GLY:H	1:816:A:GLN:HE22	8	0.45	0.2	0.44
(1,1195)	1:759:A:GLU:HB2	1:791:A:TYR:HE2	8	0.43	0.07	0.42
(1,1471)	1:731:A:LEU:H	1:730:A:ASP:HB2	8	0.39	0.17	0.4
(1,988)	1:735:A:LEU:HB2	1:735:A:LEU:HD21	8	0.38	0.1	0.44
(1,1322)	1:757:A:ILE:H	1:756:A:ASP:HB3	8	0.34	0.08	0.38
(1,2177)	1:781:A:LYS:HE3	1:781:A:LYS:HG2	8	0.27	0.03	0.28
(1,1103)	1:753:A:LEU:HB3	1:773:A:ILE:HG21	8	0.24	0.07	0.25
(1,933)	1:753:A:LEU:HG	1:753:A:LEU:HD21	8	0.24	0.0	0.24
(1,1978)	1:816:A:GLN:HE22	1:818:A:ARG:HA	8	0.24	0.03	0.24
(1,2212)	1:766:A:LYS:HD3	1:766:A:LYS:HA	8	0.16	0.04	0.16
(1,1505)	1:818:A:ARG:H	1:818:A:ARG:HB3	8	0.16	0.03	0.16
(1,1576)	1:759:A:GLU:H	1:758:A:ILE:HG21	8	0.15	0.04	0.16
(1,1783)	1:772:A:GLU:H	1:771:A:LYS:HB2	8	0.15	0.07	0.12
(1,1620)	1:726:A:LYS:H	1:725:A:LEU:HD11	8	0.13	0.02	0.12
(1,1083)	1:770:A:ILE:HG21	1:755:A:TYR:HE2	8	0.12	0.02	0.12
(1,1309)	1:794:A:SER:H	1:793:A:LEU:HB2	8	0.12	0.01	0.12
(1,1846)	1:767:A:THR:H	1:767:A:THR:HB	8	0.12	0.01	0.12
(1,183)	1:743:A:VAL:HA	1:726:A:LYS:HG2	8	0.11	0.01	0.11
(1,1011)	1:795:A:LEU:HD21	1:753:A:LEU:HD11	7	1.82	0.99	2.35
(1,48)	1:722:A:SER:HB3	1:746:A:LYS:HB2	7	0.74	0.14	0.66
(1,25)	1:797:A:SER:HB2	1:805:A:VAL:HG11	7	0.69	0.33	0.67
(1,1184)	1:753:A:LEU:HD21	1:755:A:TYR:HE2	7	0.56	0.2	0.54
(1,394)	1:730:A:ASP:HA	1:730:A:ASP:HB2	7	0.54	0.01	0.54

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,934)	1:753:A:LEU:HD21	1:753:A:LEU:HB3	7	0.51	0.02	0.51
(1,518)	1:811:A:PRO:HD3	1:810:A:GLN:HG3	7	0.42	0.29	0.23
(1,2305)	1:820:A:ASP:H	1:819:A:ARG:HB2	7	0.42	0.05	0.43
(1,2305)	1:820:A:ASP:H	1:819:A:ARG:HB3	7	0.42	0.05	0.43
(1,967)	1:731:A:LEU:HB2	1:731:A:LEU:HD11	7	0.36	0.25	0.17
(1,279)	1:751:A:PHE:HA	1:799:A:LYS:HB2	7	0.3	0.09	0.3
(1,984)	1:737:A:ASP:HB3	1:733:A:LEU:HD11	7	0.3	0.17	0.25
(1,987)	1:735:A:LEU:HA	1:735:A:LEU:HD21	7	0.26	0.05	0.27
(1,1389)	1:734:A:CYS:H	1:733:A:LEU:HB2	7	0.23	0.05	0.25
(1,2150)	1:819:A:ARG:HD2	1:787:A:THR:HA	7	0.21	0.08	0.22
(1,2150)	1:819:A:ARG:HD3	1:787:A:THR:HA	7	0.21	0.08	0.22
(1,807)	1:819:A:ARG:HA	1:819:A:ARG:HB3	7	0.2	0.01	0.2
(1,1610)	1:720:A:LYS:H	1:719:A:VAL:HB	7	0.2	0.05	0.21
(1,207)	1:785:A:PHE:HA	1:785:A:PHE:HD1	7	0.19	0.05	0.2
(1,1280)	1:753:A:LEU:H	1:753:A:LEU:HG	7	0.16	0.01	0.16
(1,350)	1:794:A:SER:HA	1:812:A:ASP:HA	7	0.14	0.02	0.14
(1,13)	1:760:A:THR:HA	1:792:A:ILE:HD11	7	0.13	0.03	0.14
(1,1192)	1:758:A:ILE:HG21	1:756:A:ASP:HA	7	0.12	0.01	0.12
(1,1201)	1:758:A:ILE:H	1:758:A:ILE:HB	7	0.11	0.01	0.11
(1,2046)	1:724:A:SER:H	1:725:A:LEU:HD21	6	3.29	0.08	3.32
(1,1007)	1:795:A:LEU:HD21	1:755:A:TYR:HB2	6	2.6	0.16	2.6
(1,1012)	1:795:A:LEU:HD21	1:780:A:ILE:HD11	6	2.46	0.25	2.47
(1,2024)	1:744:A:ALA:H	1:725:A:LEU:HD21	6	2.44	0.06	2.45
(1,658)	1:755:A:TYR:HB3	1:795:A:LEU:HD21	6	2.42	0.26	2.37
(1,1509)	1:813:A:ALA:H	1:725:A:LEU:HD11	6	2.3	0.18	2.33
(1,1009)	1:795:A:LEU:HD21	1:753:A:LEU:HG	6	1.99	0.2	1.98
(1,349)	1:795:A:LEU:HA	1:795:A:LEU:HD21	6	1.72	0.02	1.71
(1,342)	1:725:A:LEU:HA	1:725:A:LEU:HD21	6	1.65	0.02	1.65
(1,295)	1:755:A:TYR:HA	1:795:A:LEU:HD21	6	1.65	0.04	1.66
(1,422)	1:808:A:LEU:HA	1:808:A:LEU:HD21	6	1.62	0.6	1.89
(1,1377)	1:796:A:VAL:H	1:795:A:LEU:HD21	6	1.58	0.06	1.59
(1,1010)	1:723:A:ALA:HB1	1:795:A:LEU:HD21	6	1.37	0.16	1.4
(1,1804)	1:797:A:SER:H	1:808:A:LEU:HD11	6	1.13	0.28	1.02
(1,2066)	1:723:A:ALA:H	1:795:A:LEU:HD11	6	1.03	0.13	1.02
(1,918)	1:725:A:LEU:HD11	1:780:A:ILE:HB	6	1.03	0.26	1.15
(1,44)	1:796:A:VAL:HA	1:808:A:LEU:HD11	6	0.94	0.13	0.9
(1,636)	1:795:A:LEU:HB2	1:795:A:LEU:HD11	6	0.94	0.01	0.94
(1,1615)	1:720:A:LYS:H	1:719:A:VAL:HG21	6	0.86	0.36	0.73
(1,374)	1:746:A:LYS:HA	1:746:A:LYS:HE2	6	0.82	0.48	0.67
(1,1621)	1:726:A:LYS:H	1:725:A:LEU:HD21	6	0.79	0.03	0.78
(1,268)	1:724:A:SER:HA	1:725:A:LEU:HD21	6	0.73	0.05	0.76
(1,1242)	1:725:A:LEU:H	1:725:A:LEU:HD21	6	0.59	0.03	0.59

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,644)	1:795:A:LEU:HB3	1:795:A:LEU:HD21	6	0.58	0.01	0.58
(1,152)	1:758:A:ILE:HA	1:759:A:GLU:HG3	6	0.57	0.19	0.64
(1,2259)	1:819:A:ARG:HB3	1:819:A:ARG:HD3	6	0.52	0.38	0.48
(1,2259)	1:819:A:ARG:HB3	1:819:A:ARG:HD2	6	0.52	0.38	0.48
(1,952)	1:733:A:LEU:HD21	1:739:A:SER:HA	6	0.52	0.21	0.5
(1,912)	1:718:A:ARG:HG3	1:718:A:ARG:HA	6	0.46	0.12	0.5
(1,1874)	1:808:A:LEU:H	1:808:A:LEU:HG	6	0.44	0.04	0.46
(1,122)	1:779:A:VAL:HA	1:779:A:VAL:HG21	6	0.43	0.02	0.43
(1,1246)	1:795:A:LEU:H	1:795:A:LEU:HG	6	0.36	0.03	0.35
(1,1894)	1:777:A:GLU:H	1:777:A:GLU:HG2	6	0.32	0.17	0.3
(1,1239)	1:725:A:LEU:H	1:725:A:LEU:HG	6	0.28	0.01	0.28
(1,323)	1:795:A:LEU:HA	1:795:A:LEU:HG	6	0.22	0.0	0.22
(1,2320)	1:801:A:SER:H	1:801:A:SER:HB3	6	0.19	0.01	0.18
(1,2173)	1:791:A:TYR:HB2	1:815:A:ILE:HD11	6	0.18	0.03	0.18
(1,121)	1:779:A:VAL:HA	1:779:A:VAL:HG11	6	0.17	0.02	0.17
(1,720)	1:743:A:VAL:HB	1:745:A:LEU:HD11	6	0.16	0.05	0.17
(1,79)	1:742:A:PRO:HA	1:779:A:VAL:HG21	6	0.16	0.04	0.15
(1,1949)	1:727:A:LEU:H	1:725:A:LEU:HB2	6	0.15	0.01	0.15
(1,1441)	1:754:A:THR:H	1:753:A:LEU:HB2	6	0.13	0.01	0.13
(1,411)	1:793:A:LEU:HA	1:757:A:ILE:HG21	6	0.13	0.02	0.12
(1,1579)	1:765:A:ARG:H	1:764:A:LYS:HA	6	0.12	0.01	0.12
(1,1345)	1:743:A:VAL:H	1:780:A:ILE:HB	6	0.12	0.01	0.12
(1,902)	1:731:A:LEU:HA	1:731:A:LEU:HG	6	0.12	0.01	0.12
(1,2235)	1:764:A:LYS:HB3	1:764:A:LYS:HG2	6	0.11	0.01	0.12
(1,2235)	1:814:A:LYS:HB3	1:814:A:LYS:HG2	6	0.11	0.01	0.12
(1,396)	1:745:A:LEU:HA	1:743:A:VAL:HG21	5	3.31	0.18	3.26
(1,1737)	1:724:A:SER:H	1:743:A:VAL:HG21	5	2.69	0.02	2.7
(1,848)	1:780:A:ILE:HG12	1:743:A:VAL:HG11	5	2.61	0.12	2.6
(1,1758)	1:780:A:ILE:H	1:743:A:VAL:HG11	5	2.35	0.1	2.38
(1,1005)	1:743:A:VAL:HG21	1:723:A:ALA:HB1	5	2.28	0.06	2.31
(1,1156)	1:744:A:ALA:HA	1:743:A:VAL:HG21	5	2.21	0.04	2.23
(1,77)	1:742:A:PRO:HA	1:743:A:VAL:HG11	5	2.02	0.04	2.02
(1,880)	1:745:A:LEU:HG	1:743:A:VAL:HG23	5	1.82	0.17	1.75
(1,880)	1:745:A:LEU:HG	1:743:A:VAL:HG21	5	1.82	0.17	1.75
(1,1418)	1:744:A:ALA:H	1:743:A:VAL:HG21	5	1.71	0.05	1.71
(1,341)	1:725:A:LEU:HA	1:743:A:VAL:HG21	5	0.76	0.06	0.73
(1,185)	1:743:A:VAL:HA	1:743:A:VAL:HG21	5	0.67	0.07	0.65
(1,2018)	1:809:A:SER:H	1:808:A:LEU:HD21	5	0.45	0.08	0.47
(1,1798)	1:800:A:ASP:H	1:721:A:PRO:HG3	5	0.41	0.27	0.29
(1,2318)	1:780:A:ILE:H	1:741:A:VAL:HG21	5	0.4	0.19	0.33
(1,1339)	1:743:A:VAL:H	1:743:A:VAL:HG11	5	0.38	0.03	0.38
(1,2223)	1:792:A:ILE:HG12	1:792:A:ILE:HD11	5	0.36	0.01	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2223)	1:735:A:LEU:HG	1:735:A:LEU:HD11	5	0.36	0.01	0.36
(1,711)	1:777:A:GLU:HG2	1:744:A:ALA:HA	5	0.36	0.15	0.33
(1,886)	1:808:A:LEU:HB3	1:808:A:LEU:HD11	5	0.34	0.01	0.34
(1,1749)	1:740:A:SER:H	1:733:A:LEU:HD21	5	0.34	0.17	0.4
(1,2302)	1:766:A:LYS:H	1:765:A:ARG:HG2	5	0.24	0.05	0.25
(1,1572)	1:759:A:GLU:H	1:759:A:GLU:HB2	5	0.24	0.02	0.24
(1,362)	1:759:A:GLU:HA	1:759:A:GLU:HG2	5	0.22	0.05	0.2
(1,1782)	1:764:A:LYS:H	1:759:A:GLU:HB2	5	0.2	0.04	0.19
(1,91)	1:750:A:PRO:HA	1:772:A:GLU:HB2	5	0.19	0.05	0.19
(1,930)	1:795:A:LEU:HA	1:795:A:LEU:HD11	5	0.18	0.06	0.22
(1,1772)	1:764:A:LYS:H	1:762:A:SER:H	5	0.16	0.03	0.18
(1,699)	1:772:A:GLU:HG2	1:771:A:LYS:HB3	5	0.15	0.03	0.16
(1,24)	1:794:A:SER:HB3	1:792:A:ILE:HG21	5	0.15	0.03	0.14
(1,1879)	1:808:A:LEU:H	1:808:A:LEU:HD11	5	0.14	0.04	0.14
(1,979)	1:799:A:LYS:HG3	1:752:A:THR:HB	5	0.13	0.01	0.13
(1,1077)	1:757:A:ILE:HG13	1:757:A:ILE:HG21	5	0.13	0.01	0.14
(1,2205)	1:781:A:LYS:HE2	1:781:A:LYS:HB2	5	0.13	0.02	0.12
(1,1594)	1:771:A:LYS:H	1:753:A:LEU:H	5	0.13	0.03	0.11
(1,1152)	1:812:A:ASP:HA	1:793:A:LEU:HG	5	0.12	0.01	0.13
(1,180)	1:743:A:VAL:HA	1:743:A:VAL:HB	5	0.11	0.0	0.11
(1,1033)	1:735:A:LEU:HA	1:817:A:VAL:HG11	4	1.96	0.1	1.92
(1,1395)	1:734:A:CYS:H	1:817:A:VAL:HG11	4	1.61	0.33	1.6
(1,1511)	1:818:A:ARG:H	1:817:A:VAL:HG11	4	1.02	0.02	1.02
(1,261)	1:734:A:CYS:HA	1:817:A:VAL:HG11	4	1.02	0.15	1.02
(1,1378)	1:817:A:VAL:H	1:817:A:VAL:HG21	4	0.62	0.24	0.56
(1,1044)	1:805:A:VAL:HB	1:805:A:VAL:HG11	4	0.56	0.0	0.56
(1,228)	1:797:A:SER:HA	1:808:A:LEU:HD11	4	0.56	0.79	0.11
(1,2053)	1:803:A:GLY:H	1:799:A:LYS:HE3	4	0.51	0.21	0.6
(1,1716)	1:719:A:VAL:H	1:718:A:ARG:HG3	4	0.38	0.07	0.38
(1,133)	1:817:A:VAL:HA	1:817:A:VAL:HG11	4	0.32	0.14	0.34
(1,639)	1:795:A:LEU:HB2	1:808:A:LEU:HB2	4	0.31	0.06	0.3
(1,1913)	1:787:A:THR:H	1:785:A:PHE:HA	4	0.24	0.04	0.24
(1,654)	1:735:A:LEU:HB3	1:735:A:LEU:HD11	4	0.16	0.01	0.16
(1,1512)	1:789:A:GLY:H	1:817:A:VAL:HG11	4	0.15	0.07	0.12
(1,2079)	1:752:A:THR:H	1:798:A:ILE:HA	4	0.14	0.03	0.14
(1,2179)	1:790:A:ASP:HB2	1:760:A:THR:HG21	4	0.13	0.03	0.12
(1,2179)	1:790:A:ASP:HB3	1:760:A:THR:HG21	4	0.13	0.03	0.12
(1,2233)	1:733:A:LEU:HD21	1:733:A:LEU:HG	4	0.13	0.0	0.13
(1,109)	1:787:A:THR:HA	1:787:A:THR:HG21	4	0.12	0.01	0.12
(1,336)	1:725:A:LEU:HA	1:743:A:VAL:HB	4	0.11	0.01	0.12
(1,1090)	1:798:A:ILE:HG21	1:805:A:VAL:HA	4	0.11	0.01	0.12
(1,2038)	1:726:A:LYS:H	1:726:A:LYS:HB3	4	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,89)	1:786:A:THR:HB	1:786:A:THR:HA	4	0.11	0.0	0.11
(1,1542)	1:778:A:TYR:H	1:777:A:GLU:HG2	3	1.09	0.04	1.07
(1,599)	1:747:A:GLY:HA2	1:719:A:VAL:HG11	3	0.9	0.37	1.12
(1,2132)	1:781:A:LYS:HA	1:781:A:LYS:HD2	3	0.62	0.03	0.63
(1,435)	1:820:A:ASP:HA	1:820:A:ASP:HB3	3	0.43	0.0	0.43
(1,1188)	1:741:A:VAL:HG11	1:743:A:VAL:HB	3	0.4	0.08	0.4
(1,514)	1:811:A:PRO:HD2	1:810:A:GLN:HG3	3	0.37	0.05	0.36
(1,583)	1:789:A:GLY:HA2	1:761:A:PHE:HE1	3	0.36	0.05	0.37
(1,2226)	1:731:A:LEU:HG	1:731:A:LEU:HD11	3	0.35	0.01	0.35
(1,2226)	1:731:A:LEU:HG	1:731:A:LEU:HD21	3	0.35	0.01	0.35
(1,704)	1:799:A:LYS:HB2	1:805:A:VAL:HG11	3	0.34	0.15	0.3
(1,2104)	1:770:A:ILE:HA	1:770:A:ILE:HG12	3	0.29	0.01	0.29
(1,570)	1:793:A:LEU:HB3	1:793:A:LEU:HD11	3	0.29	0.21	0.14
(1,2194)	1:771:A:LYS:HB2	1:771:A:LYS:HE3	3	0.26	0.04	0.24
(1,2194)	1:771:A:LYS:HB2	1:771:A:LYS:HE2	3	0.26	0.04	0.24
(1,2266)	1:791:A:TYR:H	1:790:A:ASP:HB3	3	0.2	0.06	0.16
(1,1257)	1:770:A:ILE:H	1:770:A:ILE:HG21	3	0.19	0.01	0.2
(1,2202)	1:742:A:PRO:HB3	1:726:A:LYS:HE2	3	0.17	0.06	0.15
(1,1003)	1:753:A:LEU:HG	1:753:A:LEU:HD11	3	0.15	0.0	0.15
(1,872)	1:819:A:ARG:HA	1:819:A:ARG:HG3	3	0.14	0.0	0.14
(1,1430)	1:815:A:ILE:H	1:814:A:LYS:HG3	3	0.14	0.01	0.15
(1,1828)	1:785:A:PHE:H	1:784:A:VAL:HG11	3	0.14	0.05	0.11
(1,2296)	1:782:A:THR:H	1:781:A:LYS:HG3	3	0.14	0.04	0.13
(1,144)	1:782:A:THR:HA	1:780:A:ILE:HG21	3	0.14	0.02	0.15
(1,1787)	1:764:A:LYS:H	1:759:A:GLU:HB3	3	0.13	0.0	0.13
(1,1414)	1:752:A:THR:H	1:751:A:PHE:HB2	3	0.13	0.01	0.12
(1,1942)	1:762:A:SER:H	1:760:A:THR:HB	3	0.13	0.02	0.13
(1,1927)	1:735:A:LEU:H	1:735:A:LEU:HB3	3	0.13	0.02	0.12
(1,1959)	1:723:A:ALA:H	1:722:A:SER:HB2	3	0.12	0.01	0.12
(1,1442)	1:816:A:GLN:H	1:731:A:LEU:HG	3	0.12	0.02	0.11
(1,2275)	1:741:A:VAL:H	1:780:A:ILE:H	3	0.11	0.01	0.11
(1,1363)	1:774:A:LYS:H	1:774:A:LYS:HG2	3	0.11	0.0	0.11
(1,1545)	1:814:A:LYS:H	1:814:A:LYS:HB3	3	0.11	0.01	0.11
(1,1483)	1:807:A:GLY:H	1:805:A:VAL:HA	3	0.11	0.0	0.11
(1,2181)	1:757:A:ILE:HB	1:757:A:ILE:HG21	3	0.11	0.0	0.11
(1,2181)	1:757:A:ILE:HB	1:757:A:ILE:HG13	3	0.11	0.0	0.11
(1,2062)	1:777:A:GLU:H	1:744:A:ALA:HA	3	0.1	0.0	0.1
(1,657)	1:803:A:GLY:HA3	1:799:A:LYS:HE2	2	0.84	0.03	0.84
(1,1086)	1:722:A:SER:HA	1:798:A:ILE:HD11	2	0.76	0.01	0.76
(1,489)	1:723:A:ALA:HA	1:753:A:LEU:HD21	2	0.66	0.12	0.66
(1,3)	1:752:A:THR:HB	1:799:A:LYS:HD3	2	0.63	0.25	0.63
(1,2002)	1:752:A:THR:H	1:799:A:LYS:HD3	2	0.55	0.08	0.55

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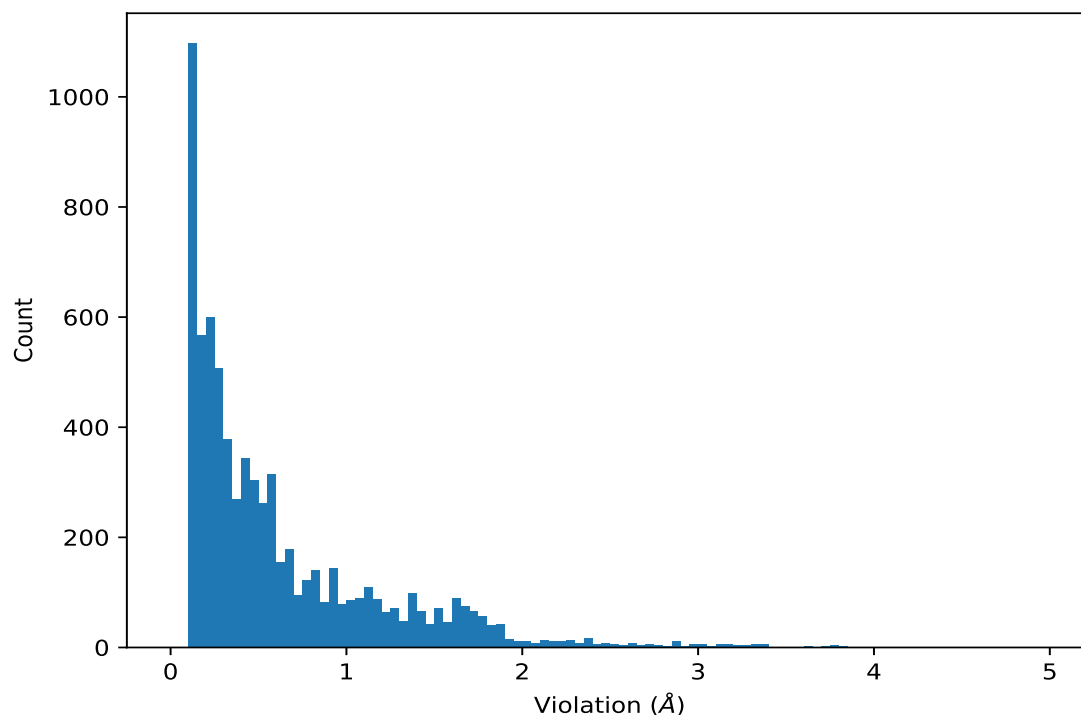
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1613)	1:720:A:LYS:H	1:720:A:LYS:HG3	2	0.49	0.39	0.49
(1,2255)	1:770:A:ILE:HG21	1:771:A:LYS:HG3	2	0.45	0.08	0.45
(1,936)	1:753:A:LEU:HD23	1:780:A:ILE:HD12	2	0.41	0.13	0.41
(1,976)	1:793:A:LEU:HB3	1:793:A:LEU:HD21	2	0.4	0.02	0.4
(1,2149)	1:727:A:LEU:HB3	1:727:A:LEU:HD11	2	0.36	0.06	0.36
(1,289)	1:764:A:LYS:HA	1:759:A:GLU:HG2	2	0.31	0.05	0.31
(1,429)	1:818:A:ARG:HA	1:818:A:ARG:HD2	2	0.28	0.04	0.28
(1,2151)	1:718:A:ARG:HA	1:718:A:ARG:HD2	2	0.28	0.07	0.28
(1,2151)	1:718:A:ARG:HA	1:718:A:ARG:HD3	2	0.28	0.07	0.28
(1,641)	1:725:A:LEU:HB2	1:725:A:LEU:HD11	2	0.26	0.15	0.26
(1,1465)	1:799:A:LYS:H	1:798:A:ILE:HG13	2	0.24	0.01	0.24
(1,671)	1:730:A:ASP:HB2	1:732:A:LYS:HD2	2	0.23	0.05	0.23
(1,2117)	1:819:A:ARG:HA	1:819:A:ARG:HB3	2	0.22	0.01	0.22
(1,1506)	1:818:A:ARG:H	1:733:A:LEU:HB3	2	0.18	0.06	0.18
(1,635)	1:798:A:ILE:HB	1:753:A:LEU:HA	2	0.17	0.0	0.17
(1,1995)	1:788:A:GLY:H	1:735:A:LEU:HD21	2	0.17	0.03	0.17
(1,985)	1:733:A:LEU:HB2	1:733:A:LEU:HD11	2	0.16	0.01	0.16
(1,98)	1:786:A:THR:HA	1:735:A:LEU:HB2	2	0.16	0.05	0.16
(1,1947)	1:762:A:SER:H	1:759:A:GLU:HB3	2	0.16	0.05	0.16
(1,667)	1:790:A:ASP:HB2	1:791:A:TYR:HD1	2	0.15	0.0	0.15
(1,1960)	1:723:A:ALA:H	1:722:A:SER:HB3	2	0.15	0.02	0.15
(1,915)	1:777:A:GLU:HA	1:745:A:LEU:HD11	2	0.14	0.0	0.14
(1,2324)	1:790:A:ASP:H	1:790:A:ASP:HB3	2	0.14	0.0	0.14
(1,713)	1:777:A:GLU:HG3	1:777:A:GLU:HA	2	0.13	0.01	0.13
(1,1994)	1:788:A:GLY:H	1:735:A:LEU:HD11	2	0.13	0.01	0.13
(1,2236)	1:771:A:LYS:HB2	1:771:A:LYS:HG3	2	0.13	0.0	0.13
(1,2236)	1:764:A:LYS:HG2	1:764:A:LYS:HB2	2	0.13	0.0	0.13
(1,494)	1:744:A:ALA:HA	1:744:A:ALA:HB1	2	0.12	0.01	0.12
(1,765)	1:721:A:PRO:HB2	1:747:A:GLY:HA3	2	0.12	0.02	0.12
(1,1580)	1:820:A:ASP:H	1:820:A:ASP:HB3	2	0.12	0.02	0.12
(1,2070)	1:795:A:LEU:H	1:796:A:VAL:HG21	2	0.12	0.01	0.12
(1,1129)	1:770:A:ILE:HD11	1:755:A:TYR:HD2	2	0.12	0.02	0.12
(1,2083)	1:760:A:THR:H	1:759:A:GLU:HG2	2	0.12	0.02	0.12
(1,2312)	1:749:A:GLY:H	1:748:A:GLN:HB3	2	0.12	0.02	0.12
(1,1121)	1:757:A:ILE:HD11	1:755:A:TYR:HD2	2	0.11	0.0	0.11
(1,2242)	1:735:A:LEU:HG	1:735:A:LEU:HD11	2	0.11	0.0	0.11
(1,428)	1:781:A:LYS:HA	1:738:A:HIS:HD2	2	0.11	0.0	0.11
(1,1630)	1:722:A:SER:H	1:721:A:PRO:HB3	2	0.11	0.0	0.11
(1,2237)	1:771:A:LYS:HE2	1:771:A:LYS:HG2	2	0.11	0.0	0.11

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	6	4.96
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	13	4.94
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	5	4.26
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	4	3.86
(1,923)	1:793:A:LEU:HD11	1:782:A:THR:HG21	5	3.84
(1,923)	1:793:A:LEU:HD11	1:782:A:THR:HG21	12	3.82
(1,923)	1:793:A:LEU:HD11	1:782:A:THR:HG21	10	3.79
(1,923)	1:793:A:LEU:HD11	1:782:A:THR:HG21	20	3.79
(1,923)	1:793:A:LEU:HD11	1:782:A:THR:HG21	6	3.77
(1,923)	1:793:A:LEU:HD11	1:782:A:THR:HG21	13	3.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	8	3.73
(1,923)	1:793:A:LEU:HD11	1:782:A:THR:HG21	19	3.71
(1,919)	1:725:A:LEU:HD11	1:813:A:ALA:HA	3	3.67
(1,923)	1:793:A:LEU:HD11	1:782:A:THR:HG21	1	3.63
(1,923)	1:793:A:LEU:HD11	1:782:A:THR:HG21	14	3.6
(1,396)	1:745:A:LEU:HA	1:743:A:VAL:HG21	11	3.59
(1,925)	1:793:A:LEU:HD11	1:780:A:ILE:HG21	14	3.52
(1,396)	1:745:A:LEU:HA	1:743:A:VAL:HG21	14	3.4
(1,2046)	1:724:A:SER:H	1:725:A:LEU:HD21	13	3.39
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	13	3.37
(1,925)	1:793:A:LEU:HD11	1:780:A:ILE:HG21	20	3.37
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	12	3.36
(1,2046)	1:724:A:SER:H	1:725:A:LEU:HD21	3	3.35
(1,919)	1:725:A:LEU:HD11	1:813:A:ALA:HA	6	3.34
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	20	3.34
(1,2046)	1:724:A:SER:H	1:725:A:LEU:HD21	15	3.32
(1,923)	1:793:A:LEU:HD11	1:782:A:THR:HG21	18	3.32
(1,919)	1:725:A:LEU:HD11	1:813:A:ALA:HA	15	3.32
(1,2046)	1:724:A:SER:H	1:725:A:LEU:HD21	19	3.31
(1,925)	1:793:A:LEU:HD11	1:780:A:ILE:HG21	10	3.3
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	11	3.27
(1,396)	1:745:A:LEU:HA	1:743:A:VAL:HG21	1	3.26
(1,2178)	1:781:A:LYS:HE2	1:779:A:VAL:HG21	8	3.25
(1,2046)	1:724:A:SER:H	1:725:A:LEU:HD21	6	3.25
(1,396)	1:745:A:LEU:HA	1:743:A:VAL:HG21	16	3.24
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	11	3.22
(1,925)	1:793:A:LEU:HD11	1:780:A:ILE:HG21	12	3.22
(1,925)	1:793:A:LEU:HD11	1:780:A:ILE:HG21	19	3.21
(1,925)	1:793:A:LEU:HD11	1:780:A:ILE:HG21	1	3.2
(1,925)	1:793:A:LEU:HD11	1:780:A:ILE:HG21	18	3.19
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	1	3.19
(1,925)	1:793:A:LEU:HD11	1:780:A:ILE:HG21	5	3.18
(1,2178)	1:781:A:LYS:HE2	1:779:A:VAL:HG21	12	3.17
(1,919)	1:725:A:LEU:HD11	1:813:A:ALA:HA	19	3.17
(1,719)	1:743:A:VAL:HB	1:725:A:LEU:HD21	13	3.16
(1,2178)	1:781:A:LYS:HE3	1:779:A:VAL:HG21	7	3.14
(1,2046)	1:724:A:SER:H	1:725:A:LEU:HD21	20	3.14
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	1	3.14
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	8	3.12
(1,919)	1:725:A:LEU:HD11	1:813:A:ALA:HA	20	3.11
(1,2178)	1:781:A:LYS:HE3	1:779:A:VAL:HG21	2	3.1
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	16	3.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2178)	1:781:A:LYS:HE2	1:779:A:VAL:HG21	15	3.08
(1,925)	1:793:A:LEU:HD11	1:780:A:ILE:HG21	6	3.07
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	7	3.06
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	13	3.04
(1,925)	1:793:A:LEU:HD11	1:780:A:ILE:HG21	13	3.04
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	2	3.04
(1,396)	1:745:A:LEU:HA	1:743:A:VAL:HG21	13	3.04
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	9	3.02
(1,919)	1:725:A:LEU:HD11	1:813:A:ALA:HA	13	3.0
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	3	2.99
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	16	2.99
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	19	2.99
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	20	2.99
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	1	2.95
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	8	2.95
(1,658)	1:755:A:TYR:HB3	1:795:A:LEU:HD21	17	2.95
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	10	2.94
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	4	2.93
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	11	2.92
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	5	2.88
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	12	2.88
(1,1011)	1:795:A:LEU:HD21	1:753:A:LEU:HD11	10	2.88
(1,2251)	1:754:A:THR:HG21	1:780:A:ILE:HG22	17	2.87
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	14	2.87
(1,1007)	1:795:A:LEU:HD21	1:755:A:TYR:HB2	17	2.87
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	14	2.86
(1,2178)	1:781:A:LYS:HE2	1:779:A:VAL:HG21	3	2.86
(1,572)	1:756:A:ASP:HB3	1:765:A:ARG:HD3	18	2.86
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	6	2.85
(1,1493)	1:798:A:ILE:H	1:805:A:VAL:HG11	1	2.85
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	15	2.84
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	18	2.82
(1,848)	1:780:A:ILE:HG12	1:743:A:VAL:HG11	13	2.81
(1,2251)	1:754:A:THR:HG23	1:773:A:ILE:HG21	2	2.8
(1,1493)	1:798:A:ILE:H	1:805:A:VAL:HG11	9	2.78
(1,1012)	1:795:A:LEU:HD21	1:780:A:ILE:HD11	18	2.78
(1,1011)	1:795:A:LEU:HD21	1:753:A:LEU:HD11	11	2.77
(1,2178)	1:781:A:LYS:HE2	1:779:A:VAL:HG21	16	2.74
(1,1493)	1:798:A:ILE:H	1:805:A:VAL:HG11	13	2.74
(1,1737)	1:724:A:SER:H	1:743:A:VAL:HG21	1	2.71
(1,1014)	1:786:A:THR:HG21	1:784:A:VAL:HG21	9	2.71
(1,1012)	1:795:A:LEU:HD21	1:780:A:ILE:HD11	10	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1737)	1:724:A:SER:H	1:743:A:VAL:HG21	11	2.7
(1,1737)	1:724:A:SER:H	1:743:A:VAL:HG21	16	2.7
(1,1737)	1:724:A:SER:H	1:743:A:VAL:HG21	14	2.69
(1,1007)	1:795:A:LEU:HD21	1:755:A:TYR:HB2	18	2.68
(1,848)	1:780:A:ILE:HG12	1:743:A:VAL:HG11	1	2.67
(1,1014)	1:786:A:THR:HG21	1:784:A:VAL:HG21	2	2.66
(1,1737)	1:724:A:SER:H	1:743:A:VAL:HG21	13	2.64
(1,1014)	1:786:A:THR:HG21	1:784:A:VAL:HG21	3	2.63
(1,1014)	1:786:A:THR:HG21	1:784:A:VAL:HG21	11	2.61
(1,1014)	1:786:A:THR:HG21	1:784:A:VAL:HG21	19	2.61
(1,1007)	1:795:A:LEU:HD21	1:755:A:TYR:HB2	10	2.61
(1,1014)	1:786:A:THR:HG21	1:784:A:VAL:HG21	13	2.6
(1,848)	1:780:A:ILE:HG12	1:743:A:VAL:HG11	11	2.6
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	7	2.6
(1,1509)	1:813:A:ALA:H	1:725:A:LEU:HD11	3	2.59
(1,1014)	1:786:A:THR:HG21	1:784:A:VAL:HG21	5	2.59
(1,1007)	1:795:A:LEU:HD21	1:755:A:TYR:HB2	11	2.59
(1,1014)	1:786:A:THR:HG21	1:784:A:VAL:HG21	16	2.57
(1,1012)	1:795:A:LEU:HD21	1:780:A:ILE:HD11	7	2.55
(1,1014)	1:786:A:THR:HG21	1:784:A:VAL:HG21	7	2.54
(1,1011)	1:795:A:LEU:HD21	1:753:A:LEU:HD11	18	2.53
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	8	2.53
(1,2249)	1:779:A:VAL:HG21	1:781:A:LYS:HG3	18	2.52
(1,2024)	1:744:A:ALA:H	1:725:A:LEU:HD21	13	2.51
(1,1758)	1:780:A:ILE:H	1:743:A:VAL:HG11	13	2.5
(1,2112)	1:778:A:TYR:HA	1:770:A:ILE:HG22	10	2.49
(1,2024)	1:744:A:ALA:H	1:725:A:LEU:HD21	15	2.49
(1,2024)	1:744:A:ALA:H	1:725:A:LEU:HD21	20	2.49
(1,848)	1:780:A:ILE:HG12	1:743:A:VAL:HG11	16	2.49
(1,658)	1:755:A:TYR:HB3	1:795:A:LEU:HD21	18	2.49
(1,1007)	1:795:A:LEU:HD21	1:755:A:TYR:HB2	8	2.48
(1,848)	1:780:A:ILE:HG12	1:743:A:VAL:HG11	14	2.48
(1,1014)	1:786:A:THR:HG21	1:784:A:VAL:HG21	14	2.47
(1,1073)	1:815:A:ILE:HG21	1:733:A:LEU:HD21	4	2.46
(1,658)	1:755:A:TYR:HB3	1:795:A:LEU:HD21	10	2.44
(1,1493)	1:798:A:ILE:H	1:805:A:VAL:HG11	5	2.43
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	2	2.43
(1,2024)	1:744:A:ALA:H	1:725:A:LEU:HD21	19	2.41
(1,1758)	1:780:A:ILE:H	1:743:A:VAL:HG11	1	2.41
(1,1509)	1:813:A:ALA:H	1:725:A:LEU:HD11	13	2.41
(1,415)	1:781:A:LYS:HA	1:779:A:VAL:HG21	15	2.41
(1,1509)	1:813:A:ALA:H	1:725:A:LEU:HD11	6	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1012)	1:795:A:LEU:HD21	1:780:A:ILE:HD11	11	2.4
(1,415)	1:781:A:LYS:HA	1:779:A:VAL:HG21	18	2.4
(1,2112)	1:778:A:TYR:HA	1:770:A:ILE:HG22	14	2.39
(1,2024)	1:744:A:ALA:H	1:725:A:LEU:HD21	3	2.38
(1,1758)	1:780:A:ILE:H	1:743:A:VAL:HG11	11	2.38
(1,415)	1:781:A:LYS:HA	1:779:A:VAL:HG21	20	2.38
(1,2024)	1:744:A:ALA:H	1:725:A:LEU:HD21	6	2.37
(1,1073)	1:815:A:ILE:HG21	1:733:A:LEU:HD21	12	2.37
(1,415)	1:781:A:LYS:HA	1:779:A:VAL:HG21	5	2.37
(1,415)	1:781:A:LYS:HA	1:779:A:VAL:HG21	7	2.37
(1,415)	1:781:A:LYS:HA	1:779:A:VAL:HG21	10	2.37
(1,1011)	1:795:A:LEU:HD21	1:753:A:LEU:HD11	8	2.35
(1,1007)	1:795:A:LEU:HD21	1:755:A:TYR:HB2	7	2.35
(1,1005)	1:743:A:VAL:HG21	1:723:A:ALA:HB1	1	2.35
(1,415)	1:781:A:LYS:HA	1:779:A:VAL:HG21	2	2.35
(1,415)	1:781:A:LYS:HA	1:779:A:VAL:HG21	14	2.35
(1,2249)	1:779:A:VAL:HG21	1:781:A:LYS:HG3	20	2.34
(1,1493)	1:798:A:ILE:H	1:805:A:VAL:HG11	2	2.33
(1,1445)	1:754:A:THR:H	1:753:A:LEU:HD11	14	2.33
(1,2249)	1:779:A:VAL:HG21	1:781:A:LYS:HG3	6	2.32
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	14	2.32
(1,1005)	1:743:A:VAL:HG21	1:723:A:ALA:HB1	11	2.32
(1,415)	1:781:A:LYS:HA	1:779:A:VAL:HG21	8	2.32
(1,46)	1:740:A:SER:HB2	1:779:A:VAL:HG21	14	2.32
(1,1005)	1:743:A:VAL:HG21	1:723:A:ALA:HB1	14	2.31
(1,1918)	1:787:A:THR:H	1:817:A:VAL:HG11	2	2.3
(1,1493)	1:798:A:ILE:H	1:805:A:VAL:HG11	14	2.3
(1,658)	1:755:A:TYR:HB3	1:795:A:LEU:HD21	11	2.3
(1,415)	1:781:A:LYS:HA	1:779:A:VAL:HG21	6	2.3
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	17	2.29
(1,1012)	1:795:A:LEU:HD21	1:780:A:ILE:HD11	8	2.29
(1,1758)	1:780:A:ILE:H	1:743:A:VAL:HG11	16	2.28
(1,1445)	1:754:A:THR:H	1:753:A:LEU:HD11	16	2.28
(1,415)	1:781:A:LYS:HA	1:779:A:VAL:HG21	16	2.28
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	14	2.27
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	18	2.27
(1,1009)	1:795:A:LEU:HD21	1:753:A:LEU:HG	11	2.26
(1,1509)	1:813:A:ALA:H	1:725:A:LEU:HD11	15	2.25
(1,1005)	1:743:A:VAL:HG21	1:723:A:ALA:HB1	16	2.25
(1,1156)	1:744:A:ALA:HA	1:743:A:VAL:HG21	14	2.24
(1,1156)	1:744:A:ALA:HA	1:743:A:VAL:HG21	11	2.23
(1,1156)	1:744:A:ALA:HA	1:743:A:VAL:HG21	16	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	11	2.23
(1,415)	1:781:A:LYS:HA	1:779:A:VAL:HG21	3	2.23
(1,1156)	1:744:A:ALA:HA	1:743:A:VAL:HG21	1	2.22
(1,415)	1:781:A:LYS:HA	1:779:A:VAL:HG21	12	2.22
(1,200)	1:741:A:VAL:HA	1:731:A:LEU:HD11	7	2.22
(1,2249)	1:779:A:VAL:HG21	1:781:A:LYS:HG3	5	2.21
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	7	2.21
(1,1758)	1:780:A:ILE:H	1:743:A:VAL:HG11	14	2.2
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	1	2.2
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	2	2.19
(1,1009)	1:795:A:LEU:HD21	1:753:A:LEU:HG	10	2.19
(1,1005)	1:743:A:VAL:HG21	1:723:A:ALA:HB1	13	2.19
(1,658)	1:755:A:TYR:HB3	1:795:A:LEU:HD21	8	2.19
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	5	2.18
(1,1073)	1:815:A:ILE:HG21	1:733:A:LEU:HD21	13	2.18
(1,658)	1:755:A:TYR:HB3	1:795:A:LEU:HD21	7	2.18
(1,2112)	1:778:A:TYR:HA	1:770:A:ILE:HG22	9	2.17
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	15	2.17
(1,1445)	1:754:A:THR:H	1:753:A:LEU:HD11	9	2.16
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	12	2.16
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	6	2.14
(1,1156)	1:744:A:ALA:HA	1:743:A:VAL:HG21	13	2.14
(1,2112)	1:778:A:TYR:HA	1:770:A:ILE:HG22	7	2.13
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	20	2.13
(1,1033)	1:735:A:LEU:HA	1:817:A:VAL:HG11	2	2.13
(1,415)	1:781:A:LYS:HA	1:779:A:VAL:HG21	17	2.13
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	18	2.12
(1,2249)	1:779:A:VAL:HG21	1:781:A:LYS:HG3	10	2.11
(1,1918)	1:787:A:THR:H	1:817:A:VAL:HG11	8	2.11
(1,1509)	1:813:A:ALA:H	1:725:A:LEU:HD11	20	2.11
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	16	2.11
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	10	2.11
(1,2112)	1:778:A:TYR:HA	1:770:A:ILE:HG22	13	2.1
(1,706)	1:799:A:LYS:HB3	1:805:A:VAL:HG11	18	2.1
(1,1445)	1:754:A:THR:H	1:753:A:LEU:HD11	10	2.09
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	3	2.08
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	8	2.08
(1,880)	1:745:A:LEU:HG	1:743:A:VAL:HG23	14	2.08
(1,77)	1:742:A:PRO:HA	1:743:A:VAL:HG11	13	2.07
(1,2112)	1:778:A:TYR:HA	1:770:A:ILE:HG22	12	2.06
(1,1509)	1:813:A:ALA:H	1:725:A:LEU:HD11	19	2.06
(1,1012)	1:795:A:LEU:HD21	1:780:A:ILE:HD11	17	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,77)	1:742:A:PRO:HA	1:743:A:VAL:HG11	14	2.06
(1,2249)	1:779:A:VAL:HG21	1:781:A:LYS:HG3	17	2.05
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	15	2.05
(1,1009)	1:795:A:LEU:HD21	1:753:A:LEU:HG	18	2.03
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	13	2.03
(1,2249)	1:779:A:VAL:HG21	1:781:A:LYS:HG3	14	2.02
(1,77)	1:742:A:PRO:HA	1:743:A:VAL:HG11	1	2.02
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	10	2.01
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	20	2.01
(1,77)	1:742:A:PRO:HA	1:743:A:VAL:HG11	11	2.01
(1,1395)	1:734:A:CYS:H	1:817:A:VAL:HG11	14	2.0
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	5	2.0
(1,2249)	1:779:A:VAL:HG21	1:781:A:LYS:HG3	8	1.99
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	16	1.99
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	17	1.98
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	8	1.98
(1,604)	1:819:A:ARG:HD3	1:735:A:LEU:HD11	5	1.98
(1,427)	1:727:A:LEU:HA	1:727:A:LEU:HD11	11	1.98
(1,200)	1:741:A:VAL:HA	1:731:A:LEU:HD11	11	1.98
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	2	1.98
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	17	1.97
(1,1033)	1:735:A:LEU:HA	1:817:A:VAL:HG11	14	1.96
(1,77)	1:742:A:PRO:HA	1:743:A:VAL:HG11	16	1.96
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	18	1.95
(1,880)	1:745:A:LEU:HG	1:743:A:VAL:HG23	11	1.95
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	2	1.95
(1,2261)	1:795:A:LEU:HD12	1:724:A:SER:HA	17	1.93
(1,1445)	1:754:A:THR:H	1:753:A:LEU:HD11	3	1.93
(1,2261)	1:795:A:LEU:HD12	1:724:A:SER:HA	8	1.92
(1,2112)	1:778:A:TYR:HA	1:770:A:ILE:HG22	18	1.92
(1,1009)	1:795:A:LEU:HD21	1:753:A:LEU:HG	7	1.92
(1,228)	1:797:A:SER:HA	1:808:A:LEU:HD11	18	1.92
(1,213)	1:798:A:ILE:HA	1:753:A:LEU:HD11	10	1.92
(1,46)	1:740:A:SER:HB2	1:779:A:VAL:HG21	20	1.92
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	3	1.91
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	10	1.91
(1,422)	1:808:A:LEU:HA	1:808:A:LEU:HD21	6	1.91
(1,422)	1:808:A:LEU:HA	1:808:A:LEU:HD21	13	1.91
(1,46)	1:740:A:SER:HB2	1:779:A:VAL:HG21	7	1.91
(1,1493)	1:798:A:ILE:H	1:805:A:VAL:HG11	10	1.9
(1,1493)	1:798:A:ILE:H	1:805:A:VAL:HG11	19	1.9
(1,1073)	1:815:A:ILE:HG21	1:733:A:LEU:HD21	15	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	1	1.9
(1,427)	1:727:A:LEU:HA	1:727:A:LEU:HD11	15	1.9
(1,422)	1:808:A:LEU:HA	1:808:A:LEU:HD21	2	1.9
(1,46)	1:740:A:SER:HB2	1:779:A:VAL:HG21	15	1.9
(1,2249)	1:779:A:VAL:HG21	1:781:A:LYS:HG3	12	1.89
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	14	1.89
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	2	1.89
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	7	1.89
(1,1445)	1:754:A:THR:H	1:753:A:LEU:HD11	8	1.88
(1,1395)	1:734:A:CYS:H	1:817:A:VAL:HG11	16	1.88
(1,1033)	1:735:A:LEU:HA	1:817:A:VAL:HG11	8	1.88
(1,1002)	1:753:A:LEU:HD11	1:798:A:ILE:HG12	5	1.88
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	4	1.88
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	11	1.88
(1,422)	1:808:A:LEU:HA	1:808:A:LEU:HD21	4	1.88
(1,72)	1:721:A:PRO:HA	1:719:A:VAL:HG11	13	1.88
(1,47)	1:740:A:SER:HB3	1:779:A:VAL:HG21	18	1.88
(1,2112)	1:778:A:TYR:HA	1:753:A:LEU:HD21	4	1.87
(1,1493)	1:798:A:ILE:H	1:805:A:VAL:HG11	12	1.87
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	13	1.87
(1,1033)	1:735:A:LEU:HA	1:817:A:VAL:HG11	16	1.87
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	9	1.87
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	11	1.87
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	10	1.87
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	13	1.87
(1,427)	1:727:A:LEU:HA	1:727:A:LEU:HD11	13	1.87
(1,422)	1:808:A:LEU:HA	1:808:A:LEU:HD21	11	1.87
(1,2261)	1:795:A:LEU:HD12	1:724:A:SER:HA	11	1.86
(1,2178)	1:781:A:LYS:HE2	1:779:A:VAL:HG21	20	1.86
(1,1976)	1:748:A:GLN:HE22	1:746:A:LYS:HG2	16	1.86
(1,1009)	1:795:A:LEU:HD21	1:753:A:LEU:HG	8	1.86
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	7	1.86
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	15	1.86
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	20	1.86
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	3	1.86
(1,1073)	1:815:A:ILE:HG21	1:733:A:LEU:HD21	11	1.85
(1,1073)	1:815:A:ILE:HG21	1:733:A:LEU:HD21	17	1.85
(1,1002)	1:753:A:LEU:HD11	1:798:A:ILE:HG12	8	1.85
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	7	1.85
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	8	1.85
(1,1976)	1:748:A:GLN:HE22	1:746:A:LYS:HG2	17	1.84
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	3	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	8	1.84
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	14	1.84
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	16	1.83
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	4	1.83
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	11	1.83
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	14	1.83
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	20	1.83
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	3	1.83
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	12	1.83
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	14	1.83
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	16	1.83
(1,2112)	1:778:A:TYR:HA	1:753:A:LEU:HD21	1	1.82
(1,1445)	1:754:A:THR:H	1:753:A:LEU:HD11	12	1.82
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	12	1.82
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	19	1.82
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	19	1.82
(1,706)	1:799:A:LYS:HB3	1:805:A:VAL:HG11	9	1.82
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	14	1.82
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	7	1.81
(1,983)	1:733:A:LEU:HD11	1:733:A:LEU:HA	2	1.81
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	14	1.81
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	14	1.81
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	1	1.81
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	5	1.81
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	9	1.81
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	15	1.81
(1,706)	1:799:A:LYS:HB3	1:805:A:VAL:HG11	5	1.81
(1,605)	1:819:A:ARG:HD3	1:735:A:LEU:HD21	2	1.81
(1,1493)	1:798:A:ILE:H	1:805:A:VAL:HG11	20	1.8
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	6	1.8
(1,1002)	1:753:A:LEU:HD11	1:798:A:ILE:HG12	3	1.8
(1,983)	1:733:A:LEU:HD11	1:733:A:LEU:HA	11	1.8
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	2	1.8
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	17	1.8
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	2	1.8
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	6	1.8
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	17	1.8
(1,706)	1:799:A:LYS:HB3	1:805:A:VAL:HG11	14	1.8
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	5	1.8
(1,2112)	1:778:A:TYR:HA	1:770:A:ILE:HG22	16	1.79
(1,1418)	1:744:A:ALA:H	1:743:A:VAL:HG21	13	1.79
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	6	1.79
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	8	1.79
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	13	1.79
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	9	1.79
(1,455)	1:753:A:LEU:HA	1:753:A:LEU:HD11	10	1.79
(1,274)	1:740:A:SER:HA	1:779:A:VAL:HG21	10	1.79
(1,2112)	1:778:A:TYR:HA	1:770:A:ILE:HG22	5	1.78
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	7	1.78
(1,983)	1:733:A:LEU:HD11	1:733:A:LEU:HA	7	1.78
(1,983)	1:733:A:LEU:HD11	1:733:A:LEU:HA	17	1.78
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	6	1.78
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	12	1.78
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	16	1.78
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	10	1.78
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	13	1.78
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	2	1.78
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	16	1.78
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	4	1.78
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	4	1.78
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	8	1.78
(1,47)	1:740:A:SER:HB3	1:779:A:VAL:HG21	2	1.78
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	12	1.77
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	9	1.77
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	5	1.77
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	17	1.77
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	19	1.77
(1,706)	1:799:A:LYS:HB3	1:805:A:VAL:HG11	12	1.77
(1,349)	1:795:A:LEU:HA	1:795:A:LEU:HD21	18	1.77
(1,213)	1:798:A:ILE:HA	1:753:A:LEU:HD11	12	1.77
(1,47)	1:740:A:SER:HB3	1:779:A:VAL:HG21	16	1.77
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	8	1.76
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	15	1.76
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	19	1.76
(1,1073)	1:815:A:ILE:HG21	1:733:A:LEU:HD21	2	1.76
(1,983)	1:733:A:LEU:HD11	1:733:A:LEU:HA	15	1.76
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	3	1.76
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	8	1.76
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	18	1.76
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	4	1.76
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	17	1.76
(1,26)	1:739:A:SER:HB2	1:733:A:LEU:HD21	2	1.76
(1,26)	1:739:A:SER:HB2	1:733:A:LEU:HD21	4	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2112)	1:778:A:TYR:HA	1:770:A:ILE:HG22	17	1.75
(1,2112)	1:778:A:TYR:HA	1:753:A:LEU:HD21	20	1.75
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	10	1.75
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	4	1.75
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	10	1.75
(1,1002)	1:753:A:LEU:HD11	1:798:A:ILE:HG12	10	1.75
(1,880)	1:745:A:LEU:HG	1:743:A:VAL:HG21	13	1.75
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	1	1.75
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	10	1.75
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	18	1.75
(1,572)	1:756:A:ASP:HB3	1:765:A:ARG:HD3	5	1.75
(1,250)	1:722:A:SER:HA	1:753:A:LEU:HD11	3	1.75
(1,1804)	1:797:A:SER:H	1:808:A:LEU:HD11	18	1.74
(1,1418)	1:744:A:ALA:H	1:743:A:VAL:HG21	14	1.74
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	18	1.74
(1,983)	1:733:A:LEU:HD11	1:733:A:LEU:HA	4	1.74
(1,983)	1:733:A:LEU:HD11	1:733:A:LEU:HA	20	1.74
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	10	1.74
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	13	1.74
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	2	1.74
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	6	1.74
(1,606)	1:765:A:ARG:HD2	1:758:A:ILE:HD11	16	1.74
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	1	1.74
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	2	1.74
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	3	1.74
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	14	1.74
(1,47)	1:740:A:SER:HB3	1:779:A:VAL:HG21	14	1.74
(1,26)	1:739:A:SER:HB2	1:733:A:LEU:HD21	17	1.74
(1,26)	1:739:A:SER:HB2	1:733:A:LEU:HD21	20	1.74
(1,1918)	1:787:A:THR:H	1:817:A:VAL:HG11	16	1.73
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	20	1.73
(1,1073)	1:815:A:ILE:HG21	1:733:A:LEU:HD21	19	1.73
(1,983)	1:733:A:LEU:HD11	1:733:A:LEU:HA	19	1.73
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	15	1.73
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	20	1.73
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	16	1.73
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	18	1.73
(1,605)	1:819:A:ARG:HD3	1:735:A:LEU:HD21	1	1.73
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	18	1.73
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	10	1.73
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	4	1.73
(1,455)	1:753:A:LEU:HA	1:753:A:LEU:HD11	12	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:722:A:SER:HA	1:753:A:LEU:HD11	10	1.73
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	4	1.72
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	17	1.72
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	13	1.72
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	16	1.72
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	19	1.72
(1,760)	1:769:A:GLU:HB3	1:754:A:THR:HG21	12	1.72
(1,605)	1:819:A:ARG:HD3	1:735:A:LEU:HD21	14	1.72
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	1	1.72
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	10	1.72
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	15	1.72
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	18	1.72
(1,349)	1:795:A:LEU:HA	1:795:A:LEU:HD21	7	1.72
(1,349)	1:795:A:LEU:HA	1:795:A:LEU:HD21	10	1.72
(1,213)	1:798:A:ILE:HA	1:753:A:LEU:HD11	8	1.72
(1,200)	1:741:A:VAL:HA	1:731:A:LEU:HD11	15	1.72
(1,2112)	1:778:A:TYR:HA	1:770:A:ILE:HG22	11	1.71
(1,1493)	1:798:A:ILE:H	1:805:A:VAL:HG11	18	1.71
(1,1418)	1:744:A:ALA:H	1:743:A:VAL:HG21	11	1.71
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	2	1.71
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	14	1.71
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	16	1.71
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	4	1.71
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	11	1.71
(1,983)	1:733:A:LEU:HD11	1:733:A:LEU:HA	10	1.71
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	18	1.71
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	6	1.71
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	12	1.71
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	2	1.71
(1,565)	1:736:A:GLY:HA3	1:786:A:THR:HG21	17	1.71
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	17	1.71
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	19	1.71
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	6	1.71
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	7	1.71
(1,213)	1:798:A:ILE:HA	1:753:A:LEU:HD11	11	1.71
(1,72)	1:721:A:PRO:HA	1:719:A:VAL:HG11	6	1.71
(1,26)	1:739:A:SER:HB2	1:733:A:LEU:HD21	10	1.71
(1,1513)	1:813:A:ALA:H	1:793:A:LEU:HD21	18	1.7
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	9	1.7
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	7	1.7
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	17	1.7
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	1	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	4	1.7
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	7	1.7
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	16	1.7
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	2	1.7
(1,455)	1:753:A:LEU:HA	1:753:A:LEU:HD11	3	1.7
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	19	1.7
(1,349)	1:795:A:LEU:HA	1:795:A:LEU:HD21	8	1.7
(1,349)	1:795:A:LEU:HA	1:795:A:LEU:HD21	11	1.7
(1,349)	1:795:A:LEU:HA	1:795:A:LEU:HD21	17	1.7
(1,213)	1:798:A:ILE:HA	1:753:A:LEU:HD11	3	1.7
(1,1073)	1:815:A:ILE:HG21	1:733:A:LEU:HD21	10	1.69
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	1	1.69
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	4	1.69
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	18	1.69
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	5	1.69
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	14	1.69
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	20	1.69
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	6	1.69
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	12	1.69
(1,295)	1:755:A:TYR:HA	1:795:A:LEU:HD21	8	1.69
(1,213)	1:798:A:ILE:HA	1:753:A:LEU:HD11	5	1.69
(1,2112)	1:778:A:TYR:HA	1:770:A:ILE:HG22	3	1.68
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	3	1.68
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	18	1.68
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	19	1.68
(1,1009)	1:795:A:LEU:HD21	1:753:A:LEU:HG	17	1.68
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	2	1.68
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	20	1.68
(1,706)	1:799:A:LYS:HB3	1:805:A:VAL:HG11	19	1.68
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	7	1.68
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	8	1.68
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	9	1.68
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	18	1.68
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	2	1.68
(1,565)	1:736:A:GLY:HA3	1:786:A:THR:HG21	20	1.68
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	5	1.68
(1,342)	1:725:A:LEU:HA	1:725:A:LEU:HD21	13	1.68
(1,295)	1:755:A:TYR:HA	1:795:A:LEU:HD21	17	1.68
(1,2249)	1:779:A:VAL:HG21	1:781:A:LYS:HG3	7	1.67
(1,2112)	1:778:A:TYR:HA	1:753:A:LEU:HD21	6	1.67
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	5	1.67
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	6	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	5	1.67
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	18	1.67
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	19	1.67
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	3	1.67
(1,572)	1:756:A:ASP:HB3	1:765:A:ARG:HD3	20	1.67
(1,455)	1:753:A:LEU:HA	1:753:A:LEU:HD11	8	1.67
(1,455)	1:753:A:LEU:HA	1:753:A:LEU:HD11	11	1.67
(1,47)	1:740:A:SER:HB3	1:779:A:VAL:HG21	7	1.67
(1,1976)	1:748:A:GLN:HE22	1:746:A:LYS:HG2	9	1.66
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	15	1.66
(1,1418)	1:744:A:ALA:H	1:743:A:VAL:HG21	1	1.66
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	17	1.66
(1,1073)	1:815:A:ILE:HG21	1:733:A:LEU:HD21	7	1.66
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	12	1.66
(1,983)	1:733:A:LEU:HD11	1:733:A:LEU:HA	8	1.66
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	15	1.66
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	12	1.66
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	19	1.66
(1,706)	1:799:A:LYS:HB3	1:805:A:VAL:HG11	10	1.66
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	11	1.66
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	15	1.66
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	13	1.66
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	11	1.66
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	1	1.66
(1,342)	1:725:A:LEU:HA	1:725:A:LEU:HD21	15	1.66
(1,342)	1:725:A:LEU:HA	1:725:A:LEU:HD21	20	1.66
(1,295)	1:755:A:TYR:HA	1:795:A:LEU:HD21	7	1.66
(1,295)	1:755:A:TYR:HA	1:795:A:LEU:HD21	18	1.66
(1,1418)	1:744:A:ALA:H	1:743:A:VAL:HG21	16	1.65
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	1	1.65
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	1	1.65
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	10	1.65
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	15	1.65
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	16	1.65
(1,1073)	1:815:A:ILE:HG21	1:733:A:LEU:HD21	20	1.65
(1,1002)	1:753:A:LEU:HD11	1:798:A:ILE:HG12	11	1.65
(1,880)	1:745:A:LEU:HG	1:743:A:VAL:HG23	1	1.65
(1,880)	1:745:A:LEU:HG	1:743:A:VAL:HG23	16	1.65
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	20	1.65
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	3	1.65
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	15	1.65
(1,606)	1:765:A:ARG:HD2	1:758:A:ILE:HD11	1	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,606)	1:765:A:ARG:HD2	1:758:A:ILE:HD11	14	1.65
(1,604)	1:819:A:ARG:HD3	1:735:A:LEU:HD11	15	1.65
(1,455)	1:753:A:LEU:HA	1:753:A:LEU:HD11	5	1.65
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	20	1.65
(1,342)	1:725:A:LEU:HA	1:725:A:LEU:HD21	3	1.65
(1,72)	1:721:A:PRO:HA	1:719:A:VAL:HG11	5	1.65
(1,2249)	1:779:A:VAL:HG21	1:781:A:LYS:HG3	3	1.64
(1,1615)	1:720:A:LYS:H	1:719:A:VAL:HG21	10	1.64
(1,1445)	1:754:A:THR:H	1:753:A:LEU:HD11	5	1.64
(1,1377)	1:796:A:VAL:H	1:795:A:LEU:HD21	17	1.64
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	2	1.64
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	11	1.64
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	3	1.64
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	9	1.64
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	5	1.64
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	10	1.64
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	1	1.64
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	5	1.64
(1,342)	1:725:A:LEU:HA	1:725:A:LEU:HD21	6	1.64
(1,295)	1:755:A:TYR:HA	1:795:A:LEU:HD21	10	1.64
(1,2178)	1:781:A:LYS:HE2	1:779:A:VAL:HG21	17	1.63
(1,2112)	1:778:A:TYR:HA	1:753:A:LEU:HD21	19	1.63
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	9	1.63
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	8	1.63
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	20	1.63
(1,1002)	1:753:A:LEU:HD11	1:798:A:ILE:HG12	18	1.63
(1,606)	1:765:A:ARG:HD2	1:758:A:ILE:HD11	9	1.63
(1,606)	1:765:A:ARG:HD2	1:758:A:ILE:HD11	10	1.63
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	19	1.63
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	3	1.63
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	9	1.63
(1,455)	1:753:A:LEU:HA	1:753:A:LEU:HD11	9	1.63
(1,342)	1:725:A:LEU:HA	1:725:A:LEU:HD21	19	1.63
(1,46)	1:740:A:SER:HB2	1:779:A:VAL:HG21	10	1.63
(1,1717)	1:719:A:VAL:H	1:719:A:VAL:HG11	10	1.62
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	3	1.62
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	11	1.62
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	6	1.62
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	12	1.62
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	14	1.62
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	1	1.62
(1,606)	1:765:A:ARG:HD2	1:758:A:ILE:HD11	2	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	11	1.62
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	18	1.62
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	19	1.62
(1,2112)	1:778:A:TYR:HA	1:753:A:LEU:HD21	2	1.61
(1,2112)	1:778:A:TYR:HA	1:770:A:ILE:HG22	8	1.61
(1,1919)	1:748:A:GLN:HE21	1:746:A:LYS:HG2	1	1.61
(1,1377)	1:796:A:VAL:H	1:795:A:LEU:HD21	10	1.61
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	7	1.61
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	9	1.61
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	16	1.61
(1,983)	1:733:A:LEU:HD11	1:733:A:LEU:HA	12	1.61
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	14	1.61
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	19	1.61
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	14	1.61
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	18	1.61
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	8	1.61
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	13	1.61
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	20	1.61
(1,565)	1:736:A:GLY:HA3	1:786:A:THR:HG21	6	1.61
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	12	1.61
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	16	1.61
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	15	1.61
(1,455)	1:753:A:LEU:HA	1:753:A:LEU:HD11	18	1.61
(1,250)	1:722:A:SER:HA	1:753:A:LEU:HD11	5	1.61
(1,2058)	1:816:A:GLN:HE21	1:732:A:LYS:HE3	2	1.6
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	3	1.6
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	7	1.6
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	13	1.6
(1,604)	1:819:A:ARG:HD3	1:735:A:LEU:HD11	11	1.6
(1,572)	1:756:A:ASP:HB3	1:765:A:ARG:HD3	6	1.6
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	11	1.6
(1,374)	1:746:A:LYS:HA	1:746:A:LYS:HE2	20	1.6
(1,250)	1:722:A:SER:HA	1:753:A:LEU:HD11	8	1.6
(1,26)	1:739:A:SER:HB2	1:733:A:LEU:HD21	12	1.6
(1,1717)	1:719:A:VAL:H	1:719:A:VAL:HG11	13	1.59
(1,1377)	1:796:A:VAL:H	1:795:A:LEU:HD21	8	1.59
(1,1377)	1:796:A:VAL:H	1:795:A:LEU:HD21	18	1.59
(1,1214)	1:748:A:GLN:H	1:721:A:PRO:HB2	11	1.59
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	5	1.59
(1,957)	1:745:A:LEU:HD22	1:753:A:LEU:HD23	14	1.59
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	1	1.59
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	13	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,605)	1:819:A:ARG:HD3	1:735:A:LEU:HD21	17	1.59
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	11	1.59
(1,26)	1:739:A:SER:HB2	1:733:A:LEU:HD21	19	1.59
(1,2261)	1:795:A:LEU:HD12	1:724:A:SER:HA	7	1.58
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD2	19	1.58
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	9	1.58
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	18	1.58
(1,1513)	1:813:A:ALA:H	1:793:A:LEU:HD21	14	1.58
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	2	1.58
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	20	1.58
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	9	1.58
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	4	1.58
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	15	1.58
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	2	1.58
(1,455)	1:753:A:LEU:HA	1:753:A:LEU:HD11	16	1.58
(1,295)	1:755:A:TYR:HA	1:795:A:LEU:HD21	11	1.58
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	5	1.57
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	4	1.57
(1,1377)	1:796:A:VAL:H	1:795:A:LEU:HD21	7	1.57
(1,606)	1:765:A:ARG:HD2	1:758:A:ILE:HD11	11	1.57
(1,606)	1:765:A:ARG:HD2	1:758:A:ILE:HD11	17	1.57
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	19	1.57
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	8	1.57
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	12	1.56
(1,1919)	1:748:A:GLN:HE21	1:746:A:LYS:HG2	14	1.56
(1,1445)	1:754:A:THR:H	1:753:A:LEU:HD11	11	1.56
(1,1054)	1:796:A:VAL:HG21	1:797:A:SER:HB2	5	1.56
(1,606)	1:765:A:ARG:HD2	1:758:A:ILE:HD11	4	1.56
(1,606)	1:765:A:ARG:HD2	1:758:A:ILE:HD11	7	1.56
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	7	1.56
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	14	1.56
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	12	1.56
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	13	1.56
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	15	1.56
(1,274)	1:740:A:SER:HA	1:779:A:VAL:HG21	18	1.56
(1,983)	1:733:A:LEU:HD11	1:733:A:LEU:HA	13	1.55
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	1	1.55
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	14	1.55
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	14	1.54
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	19	1.54
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB2	18	1.54
(1,1088)	1:798:A:ILE:HG21	1:751:A:PHE:HB2	4	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1054)	1:796:A:VAL:HG21	1:797:A:SER:HB2	20	1.54
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	6	1.54
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	9	1.54
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	5	1.54
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	11	1.54
(1,706)	1:799:A:LYS:HB3	1:805:A:VAL:HG11	1	1.54
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	9	1.54
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	20	1.54
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	10	1.54
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	11	1.53
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	16	1.53
(1,2112)	1:778:A:TYR:HA	1:753:A:LEU:HD21	15	1.53
(1,1054)	1:796:A:VAL:HG21	1:797:A:SER:HB2	8	1.53
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	2	1.53
(1,1010)	1:723:A:ALA:HB1	1:795:A:LEU:HD21	11	1.53
(1,606)	1:765:A:ARG:HD2	1:758:A:ILE:HD11	3	1.53
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	17	1.53
(1,565)	1:736:A:GLY:HA3	1:786:A:THR:HG21	1	1.53
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	6	1.53
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	5	1.53
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	15	1.53
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	6	1.53
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	20	1.53
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	1	1.52
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	7	1.52
(1,1919)	1:748:A:GLN:HE21	1:746:A:LYS:HG2	9	1.52
(1,1919)	1:748:A:GLN:HE21	1:746:A:LYS:HG2	19	1.52
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	9	1.52
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	13	1.52
(1,1054)	1:796:A:VAL:HG21	1:797:A:SER:HB2	9	1.52
(1,1054)	1:796:A:VAL:HG21	1:797:A:SER:HB2	14	1.52
(1,1054)	1:796:A:VAL:HG21	1:797:A:SER:HB2	17	1.52
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	6	1.52
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	8	1.52
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	13	1.52
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	2	1.52
(1,715)	1:766:A:LYS:HB2	1:755:A:TYR:HD1	5	1.52
(1,659)	1:790:A:ASP:HB3	1:760:A:THR:HA	15	1.52
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	6	1.52
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	2	1.52
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	17	1.52
(1,250)	1:722:A:SER:HA	1:753:A:LEU:HD11	18	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	2	1.51
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	4	1.51
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	6	1.51
(1,1918)	1:787:A:THR:H	1:817:A:VAL:HG11	14	1.51
(1,1054)	1:796:A:VAL:HG21	1:797:A:SER:HB2	13	1.51
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	3	1.51
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	15	1.51
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	17	1.51
(1,1010)	1:723:A:ALA:HB1	1:795:A:LEU:HD21	7	1.51
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	18	1.51
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	6	1.51
(1,591)	1:751:A:PHE:HB3	1:753:A:LEU:HB3	13	1.51
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	20	1.51
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	9	1.51
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	2	1.51
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	10	1.5
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	16	1.5
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	19	1.5
(1,1401)	1:736:A:GLY:H	1:735:A:LEU:HD21	5	1.5
(1,1054)	1:796:A:VAL:HG21	1:797:A:SER:HB2	11	1.5
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	4	1.5
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	19	1.5
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	17	1.5
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	17	1.5
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	5	1.5
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	5	1.49
(1,1401)	1:736:A:GLY:H	1:735:A:LEU:HD21	8	1.49
(1,1010)	1:723:A:ALA:HB1	1:795:A:LEU:HD21	10	1.49
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	14	1.49
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	13	1.49
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	3	1.49
(1,2249)	1:779:A:VAL:HG21	1:781:A:LYS:HG3	15	1.48
(1,1717)	1:719:A:VAL:H	1:719:A:VAL:HG11	4	1.48
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	20	1.48
(1,1073)	1:815:A:ILE:HG21	1:733:A:LEU:HD21	8	1.48
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	10	1.48
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	16	1.48
(1,606)	1:765:A:ARG:HD2	1:758:A:ILE:HD11	15	1.48
(1,565)	1:736:A:GLY:HA3	1:786:A:THR:HG21	15	1.48
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	6	1.48
(1,1717)	1:719:A:VAL:H	1:719:A:VAL:HG11	7	1.47
(1,1717)	1:719:A:VAL:H	1:719:A:VAL:HG11	11	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:736:A:GLY:H	1:735:A:LEU:HD21	13	1.47
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	9	1.47
(1,947)	1:774:A:LYS:HG3	1:750:A:PRO:HB2	16	1.47
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	6	1.47
(1,706)	1:799:A:LYS:HB3	1:805:A:VAL:HG11	13	1.47
(1,565)	1:736:A:GLY:HA3	1:786:A:THR:HG21	18	1.47
(1,455)	1:753:A:LEU:HA	1:753:A:LEU:HD11	14	1.47
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	4	1.47
(1,47)	1:740:A:SER:HB3	1:779:A:VAL:HG21	15	1.47
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD2	6	1.46
(1,2110)	1:735:A:LEU:HA	1:735:A:LEU:HD21	8	1.46
(1,2110)	1:735:A:LEU:HA	1:735:A:LEU:HD21	16	1.46
(1,1842)	1:737:A:ASP:H	1:735:A:LEU:HD21	5	1.46
(1,1513)	1:813:A:ALA:H	1:793:A:LEU:HD21	19	1.46
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	8	1.46
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	13	1.46
(1,1377)	1:796:A:VAL:H	1:795:A:LEU:HD21	11	1.46
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	1	1.46
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	10	1.46
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	9	1.46
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	20	1.46
(1,604)	1:819:A:ARG:HD3	1:735:A:LEU:HD11	6	1.46
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	4	1.46
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	10	1.46
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	11	1.46
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	18	1.45
(1,947)	1:774:A:LYS:HG3	1:750:A:PRO:HB2	5	1.45
(1,947)	1:774:A:LYS:HG3	1:750:A:PRO:HB2	18	1.45
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	13	1.45
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	14	1.45
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	19	1.45
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	1	1.45
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	3	1.45
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	7	1.45
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	7	1.45
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	19	1.45
(1,1919)	1:748:A:GLN:HE21	1:746:A:LYS:HG2	13	1.44
(1,1401)	1:736:A:GLY:H	1:735:A:LEU:HD21	16	1.44
(1,986)	1:735:A:LEU:HD21	1:786:A:THR:HA	15	1.44
(1,947)	1:774:A:LYS:HG3	1:750:A:PRO:HB2	9	1.44
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	12	1.44
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	15	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	15	1.44
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	14	1.44
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	10	1.44
(1,213)	1:798:A:ILE:HA	1:753:A:LEU:HD11	18	1.44
(1,200)	1:741:A:VAL:HA	1:731:A:LEU:HD11	9	1.44
(1,200)	1:741:A:VAL:HA	1:731:A:LEU:HD11	10	1.44
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	20	1.43
(1,1976)	1:748:A:GLN:HE22	1:746:A:LYS:HG2	2	1.43
(1,1842)	1:737:A:ASP:H	1:735:A:LEU:HD21	8	1.43
(1,1717)	1:719:A:VAL:H	1:719:A:VAL:HG11	6	1.43
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	7	1.43
(1,1445)	1:754:A:THR:H	1:753:A:LEU:HD11	18	1.43
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	15	1.43
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	12	1.43
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	9	1.43
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	16	1.43
(1,296)	1:819:A:ARG:HA	1:819:A:ARG:HD3	15	1.43
(1,274)	1:740:A:SER:HA	1:779:A:VAL:HG21	8	1.43
(1,47)	1:740:A:SER:HB3	1:779:A:VAL:HG21	8	1.43
(1,1842)	1:737:A:ASP:H	1:735:A:LEU:HD21	13	1.42
(1,1717)	1:719:A:VAL:H	1:719:A:VAL:HG11	12	1.42
(1,1513)	1:813:A:ALA:H	1:793:A:LEU:HD21	10	1.42
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	12	1.42
(1,947)	1:774:A:LYS:HG3	1:750:A:PRO:HB2	7	1.42
(1,947)	1:774:A:LYS:HG3	1:750:A:PRO:HB2	12	1.42
(1,947)	1:774:A:LYS:HG3	1:750:A:PRO:HB2	19	1.42
(1,659)	1:790:A:ASP:HB3	1:760:A:THR:HA	19	1.42
(1,427)	1:727:A:LEU:HA	1:727:A:LEU:HD11	8	1.42
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	18	1.42
(1,297)	1:819:A:ARG:HA	1:735:A:LEU:HD11	3	1.42
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB2	8	1.41
(1,1982)	1:748:A:GLN:H	1:746:A:LYS:HG2	15	1.41
(1,1056)	1:741:A:VAL:HG21	1:782:A:THR:HG21	8	1.41
(1,986)	1:735:A:LEU:HD21	1:786:A:THR:HA	8	1.41
(1,962)	1:733:A:LEU:HD11	1:731:A:LEU:HA	13	1.41
(1,947)	1:774:A:LYS:HG3	1:750:A:PRO:HB2	4	1.41
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	7	1.41
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	1	1.41
(1,706)	1:799:A:LYS:HB3	1:805:A:VAL:HG11	20	1.41
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	8	1.41
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	12	1.41
(1,427)	1:727:A:LEU:HA	1:727:A:LEU:HD11	20	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	18	1.41
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	12	1.41
(1,297)	1:819:A:ARG:HA	1:735:A:LEU:HD11	11	1.41
(1,274)	1:740:A:SER:HA	1:779:A:VAL:HG21	12	1.41
(1,274)	1:740:A:SER:HA	1:779:A:VAL:HG21	20	1.41
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	5	1.41
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	9	1.41
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	14	1.41
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD2	20	1.4
(1,1856)	1:784:A:VAL:H	1:784:A:VAL:HG11	3	1.4
(1,1856)	1:784:A:VAL:H	1:784:A:VAL:HG11	9	1.4
(1,1856)	1:784:A:VAL:H	1:784:A:VAL:HG11	13	1.4
(1,1856)	1:784:A:VAL:H	1:784:A:VAL:HG11	14	1.4
(1,1856)	1:784:A:VAL:H	1:784:A:VAL:HG11	16	1.4
(1,1717)	1:719:A:VAL:H	1:719:A:VAL:HG11	1	1.4
(1,1717)	1:719:A:VAL:H	1:719:A:VAL:HG11	20	1.4
(1,1513)	1:813:A:ALA:H	1:793:A:LEU:HD21	1	1.4
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	1	1.4
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	9	1.4
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	14	1.4
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	20	1.4
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	14	1.4
(1,947)	1:774:A:LYS:HG3	1:750:A:PRO:HB2	1	1.4
(1,947)	1:774:A:LYS:HG3	1:750:A:PRO:HB2	14	1.4
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	10	1.4
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	1	1.4
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	5	1.4
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	15	1.4
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	4	1.4
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	16	1.4
(1,213)	1:798:A:ILE:HA	1:753:A:LEU:HD11	9	1.4
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	12	1.4
(1,1856)	1:784:A:VAL:H	1:784:A:VAL:HG11	5	1.39
(1,1856)	1:784:A:VAL:H	1:784:A:VAL:HG11	7	1.39
(1,1856)	1:784:A:VAL:H	1:784:A:VAL:HG11	11	1.39
(1,1856)	1:784:A:VAL:H	1:784:A:VAL:HG11	19	1.39
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	3	1.39
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	14	1.39
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	11	1.39
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	16	1.39
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	8	1.39
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	9	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	14	1.39
(1,404)	1:720:A:LYS:HA	1:720:A:LYS:HE2	2	1.39
(1,404)	1:720:A:LYS:HA	1:720:A:LYS:HE2	7	1.39
(1,2249)	1:779:A:VAL:HG21	1:781:A:LYS:HG3	2	1.38
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	18	1.38
(1,1856)	1:784:A:VAL:H	1:784:A:VAL:HG11	2	1.38
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	13	1.38
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	18	1.38
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	19	1.38
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	17	1.38
(1,914)	1:765:A:ARG:HG2	1:758:A:ILE:HG13	2	1.38
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	5	1.38
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	10	1.38
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	3	1.38
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	3	1.38
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	12	1.38
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	3	1.38
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	6	1.38
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	12	1.38
(1,1842)	1:737:A:ASP:H	1:735:A:LEU:HD21	16	1.37
(1,1513)	1:813:A:ALA:H	1:793:A:LEU:HD21	12	1.37
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	5	1.37
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	7	1.37
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	8	1.37
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	6	1.37
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	15	1.37
(1,274)	1:740:A:SER:HA	1:779:A:VAL:HG21	16	1.37
(1,250)	1:722:A:SER:HA	1:753:A:LEU:HD11	11	1.37
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	18	1.37
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	1	1.37
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	2	1.37
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	4	1.37
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	15	1.37
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	18	1.37
(1,1513)	1:813:A:ALA:H	1:793:A:LEU:HD21	5	1.36
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	2	1.36
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	20	1.36
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	3	1.36
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	19	1.36
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	19	1.36
(1,404)	1:720:A:LYS:HA	1:720:A:LYS:HE2	11	1.36
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	5	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	11	1.36
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	3	1.35
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	17	1.35
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB2	1	1.35
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	15	1.35
(1,1717)	1:719:A:VAL:H	1:719:A:VAL:HG11	5	1.35
(1,1513)	1:813:A:ALA:H	1:793:A:LEU:HD21	6	1.35
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	4	1.35
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	12	1.35
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	15	1.35
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	17	1.35
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	7	1.35
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	10	1.35
(1,606)	1:765:A:ARG:HD2	1:758:A:ILE:HD11	13	1.35
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	16	1.35
(1,404)	1:720:A:LYS:HA	1:720:A:LYS:HE2	16	1.35
(1,274)	1:740:A:SER:HA	1:779:A:VAL:HG21	2	1.35
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	1	1.35
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	10	1.35
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	19	1.35
(1,72)	1:721:A:PRO:HA	1:719:A:VAL:HG11	8	1.35
(1,47)	1:740:A:SER:HB3	1:779:A:VAL:HG21	6	1.35
(1,25)	1:797:A:SER:HB2	1:805:A:VAL:HG11	1	1.35
(1,1982)	1:748:A:GLN:H	1:746:A:LYS:HG2	11	1.34
(1,1717)	1:719:A:VAL:H	1:719:A:VAL:HG11	8	1.34
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	6	1.34
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	16	1.34
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	10	1.34
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	18	1.34
(1,947)	1:774:A:LYS:HG3	1:750:A:PRO:HB2	6	1.34
(1,914)	1:765:A:ARG:HG2	1:758:A:ILE:HG13	1	1.34
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	17	1.34
(1,427)	1:727:A:LEU:HA	1:727:A:LEU:HD11	3	1.34
(1,418)	1:748:A:GLN:HA	1:751:A:PHE:HB3	1	1.34
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	7	1.34
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	4	1.33
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	17	1.33
(1,914)	1:765:A:ARG:HG2	1:758:A:ILE:HG13	11	1.33
(1,914)	1:765:A:ARG:HG2	1:758:A:ILE:HG13	16	1.33
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	8	1.33
(1,426)	1:727:A:LEU:HA	1:742:A:PRO:HG3	13	1.33
(1,404)	1:720:A:LYS:HA	1:720:A:LYS:HE2	1	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,296)	1:819:A:ARG:HA	1:819:A:ARG:HD3	5	1.33
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	13	1.32
(1,2178)	1:781:A:LYS:HE2	1:779:A:VAL:HG21	10	1.32
(1,1395)	1:734:A:CYS:H	1:817:A:VAL:HG11	2	1.32
(1,1010)	1:723:A:ALA:HB1	1:795:A:LEU:HD21	17	1.32
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	9	1.32
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	6	1.32
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	3	1.32
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	16	1.32
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	14	1.32
(1,1401)	1:736:A:GLY:H	1:735:A:LEU:HD21	3	1.31
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	11	1.31
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	18	1.31
(1,1010)	1:723:A:ALA:HB1	1:795:A:LEU:HD21	8	1.31
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	3	1.31
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	4	1.31
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	1	1.31
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	11	1.31
(1,1842)	1:737:A:ASP:H	1:735:A:LEU:HD21	19	1.3
(1,1513)	1:813:A:ALA:H	1:793:A:LEU:HD21	20	1.3
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	11	1.3
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	17	1.3
(1,914)	1:765:A:ARG:HG2	1:758:A:ILE:HG13	12	1.3
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	14	1.3
(1,565)	1:736:A:GLY:HA3	1:786:A:THR:HG21	10	1.3
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	13	1.3
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	2	1.3
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	8	1.3
(1,357)	1:816:A:GLN:HA	1:790:A:ASP:HB2	14	1.3
(1,2166)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	20	1.29
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	5	1.29
(1,931)	1:753:A:LEU:HD21	1:770:A:ILE:HB	3	1.29
(1,931)	1:753:A:LEU:HD21	1:770:A:ILE:HB	18	1.29
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	15	1.29
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD3	11	1.28
(1,1842)	1:737:A:ASP:H	1:735:A:LEU:HD21	15	1.28
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	2	1.28
(1,968)	1:731:A:LEU:HB3	1:731:A:LEU:HD11	5	1.28
(1,968)	1:731:A:LEU:HB3	1:731:A:LEU:HD11	10	1.28
(1,968)	1:731:A:LEU:HB3	1:731:A:LEU:HD11	16	1.28
(1,962)	1:733:A:LEU:HD11	1:731:A:LEU:HA	7	1.28
(1,962)	1:733:A:LEU:HD11	1:731:A:LEU:HA	19	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	15	1.28
(1,404)	1:720:A:LYS:HA	1:720:A:LYS:HE2	4	1.28
(1,374)	1:746:A:LYS:HA	1:746:A:LYS:HE2	3	1.28
(1,357)	1:816:A:GLN:HA	1:790:A:ASP:HB2	5	1.28
(1,274)	1:740:A:SER:HA	1:779:A:VAL:HG21	15	1.28
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	8	1.28
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	16	1.28
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	10	1.28
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	8	1.27
(1,1982)	1:748:A:GLN:H	1:746:A:LYS:HG2	19	1.27
(1,1919)	1:748:A:GLN:HE21	1:746:A:LYS:HG2	10	1.27
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	20	1.27
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	20	1.27
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	20	1.27
(1,931)	1:753:A:LEU:HD21	1:770:A:ILE:HB	8	1.27
(1,931)	1:753:A:LEU:HD21	1:770:A:ILE:HB	10	1.27
(1,914)	1:765:A:ARG:HG2	1:758:A:ILE:HG13	9	1.27
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	13	1.27
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	10	1.27
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	3	1.27
(1,2178)	1:781:A:LYS:HE2	1:779:A:VAL:HG21	6	1.26
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	10	1.26
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	6	1.26
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	15	1.26
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	11	1.26
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	18	1.26
(1,931)	1:753:A:LEU:HD21	1:770:A:ILE:HB	11	1.26
(1,914)	1:765:A:ARG:HG2	1:758:A:ILE:HG13	10	1.26
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	5	1.26
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	7	1.26
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	14	1.26
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	18	1.26
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	19	1.26
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	5	1.26
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	18	1.26
(1,209)	1:785:A:PHE:HA	1:784:A:VAL:HG21	14	1.26
(1,170)	1:758:A:ILE:HA	1:765:A:ARG:HB3	1	1.26
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	6	1.26
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	10	1.26
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	12	1.26
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD3	1	1.25
(1,1449)	1:810:A:GLN:H	1:812:A:ASP:HB2	1	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	2	1.25
(1,1036)	1:786:A:THR:HA	1:784:A:VAL:HG21	19	1.25
(1,986)	1:735:A:LEU:HD21	1:786:A:THR:HA	20	1.25
(1,947)	1:774:A:LYS:HG3	1:750:A:PRO:HB2	11	1.25
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	18	1.25
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	8	1.25
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	4	1.25
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	7	1.25
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	2	1.25
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	7	1.25
(1,357)	1:816:A:GLN:HA	1:790:A:ASP:HB2	11	1.25
(1,274)	1:740:A:SER:HA	1:779:A:VAL:HG21	6	1.25
(1,274)	1:740:A:SER:HA	1:779:A:VAL:HG21	14	1.25
(1,209)	1:785:A:PHE:HA	1:784:A:VAL:HG21	5	1.25
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	13	1.25
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	12	1.25
(1,72)	1:721:A:PRO:HA	1:719:A:VAL:HG11	20	1.25
(1,2168)	1:735:A:LEU:HB3	1:819:A:ARG:HB2	9	1.24
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	6	1.24
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	9	1.24
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	12	1.24
(1,1395)	1:734:A:CYS:H	1:817:A:VAL:HG11	8	1.24
(1,931)	1:753:A:LEU:HD21	1:770:A:ILE:HB	5	1.24
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	18	1.24
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	10	1.24
(1,357)	1:816:A:GLN:HA	1:790:A:ASP:HB2	10	1.24
(1,209)	1:785:A:PHE:HA	1:784:A:VAL:HG21	19	1.24
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	14	1.24
(1,1919)	1:748:A:GLN:HE21	1:746:A:LYS:HG2	15	1.23
(1,1401)	1:736:A:GLY:H	1:735:A:LEU:HD21	12	1.23
(1,1401)	1:736:A:GLY:H	1:735:A:LEU:HD21	19	1.23
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	7	1.23
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	15	1.23
(1,931)	1:753:A:LEU:HD21	1:770:A:ILE:HB	12	1.23
(1,914)	1:765:A:ARG:HG2	1:758:A:ILE:HG13	3	1.23
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	12	1.23
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	9	1.23
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	19	1.23
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	5	1.23
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	14	1.23
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	20	1.23
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	1	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	7	1.23
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	11	1.23
(1,261)	1:734:A:CYS:HA	1:817:A:VAL:HG11	8	1.23
(1,250)	1:722:A:SER:HA	1:753:A:LEU:HD11	12	1.23
(1,209)	1:785:A:PHE:HA	1:784:A:VAL:HG21	11	1.23
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	18	1.23
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	6	1.23
(1,1842)	1:737:A:ASP:H	1:735:A:LEU:HD21	20	1.22
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	15	1.22
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	7	1.22
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	17	1.22
(1,1036)	1:786:A:THR:HA	1:784:A:VAL:HG21	16	1.22
(1,1011)	1:795:A:LEU:HD21	1:753:A:LEU:HD11	7	1.22
(1,957)	1:745:A:LEU:HD22	1:753:A:LEU:HD22	9	1.22
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	1	1.22
(1,914)	1:765:A:ARG:HG2	1:758:A:ILE:HG13	4	1.22
(1,706)	1:799:A:LYS:HB3	1:805:A:VAL:HG11	2	1.22
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	17	1.22
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	17	1.22
(1,357)	1:816:A:GLN:HA	1:790:A:ASP:HB2	2	1.22
(1,213)	1:798:A:ILE:HA	1:753:A:LEU:HD11	14	1.22
(1,209)	1:785:A:PHE:HA	1:784:A:VAL:HG21	7	1.22
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	20	1.22
(1,44)	1:796:A:VAL:HA	1:808:A:LEU:HD11	4	1.22
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD3	7	1.21
(1,2066)	1:723:A:ALA:H	1:795:A:LEU:HD11	18	1.21
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	1	1.21
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	8	1.21
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	8	1.21
(1,1401)	1:736:A:GLY:H	1:735:A:LEU:HD21	15	1.21
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	14	1.21
(1,1036)	1:786:A:THR:HA	1:784:A:VAL:HG21	3	1.21
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	19	1.21
(1,986)	1:735:A:LEU:HD21	1:786:A:THR:HA	12	1.21
(1,960)	1:720:A:LYS:HG3	1:719:A:VAL:HG21	10	1.21
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	4	1.21
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	14	1.21
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	8	1.21
(1,26)	1:739:A:SER:HB2	1:733:A:LEU:HD21	13	1.21
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD3	3	1.2
(1,1842)	1:737:A:ASP:H	1:735:A:LEU:HD21	10	1.2
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	17	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	18	1.2
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	19	1.2
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	17	1.2
(1,1036)	1:786:A:THR:HA	1:784:A:VAL:HG21	2	1.2
(1,1036)	1:786:A:THR:HA	1:784:A:VAL:HG21	11	1.2
(1,914)	1:765:A:ARG:HG2	1:758:A:ILE:HG13	7	1.2
(1,914)	1:765:A:ARG:HG2	1:758:A:ILE:HG13	14	1.2
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	3	1.2
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	17	1.2
(1,599)	1:747:A:GLY:HA2	1:719:A:VAL:HG11	13	1.2
(1,558)	1:736:A:GLY:HA2	1:735:A:LEU:HD21	5	1.2
(1,209)	1:785:A:PHE:HA	1:784:A:VAL:HG21	2	1.2
(1,209)	1:785:A:PHE:HA	1:784:A:VAL:HG21	3	1.2
(1,209)	1:785:A:PHE:HA	1:784:A:VAL:HG21	13	1.2
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	11	1.2
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	19	1.2
(1,1976)	1:748:A:GLN:HE22	1:746:A:LYS:HG2	11	1.19
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	2	1.19
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	10	1.19
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	7	1.19
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	5	1.19
(1,918)	1:725:A:LEU:HD11	1:780:A:ILE:HB	3	1.19
(1,918)	1:725:A:LEU:HD11	1:780:A:ILE:HB	19	1.19
(1,914)	1:765:A:ARG:HG2	1:758:A:ILE:HG13	17	1.19
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	2	1.19
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	17	1.19
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	1	1.19
(1,357)	1:816:A:GLN:HA	1:790:A:ASP:HB2	7	1.19
(1,209)	1:785:A:PHE:HA	1:784:A:VAL:HG21	16	1.19
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	9	1.19
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD3	10	1.18
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD2	18	1.18
(1,1401)	1:736:A:GLY:H	1:735:A:LEU:HD21	10	1.18
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	9	1.18
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	9	1.18
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	11	1.18
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	16	1.18
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	16	1.18
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	2	1.18
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	15	1.18
(1,957)	1:745:A:LEU:HD22	1:753:A:LEU:HD23	12	1.18
(1,564)	1:736:A:GLY:HA3	1:735:A:LEU:HD21	5	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	5	1.18
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	9	1.18
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	3	1.18
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	13	1.18
(1,1982)	1:748:A:GLN:H	1:746:A:LYS:HG2	9	1.17
(1,1970)	1:779:A:VAL:H	1:779:A:VAL:HG11	16	1.17
(1,1842)	1:737:A:ASP:H	1:735:A:LEU:HD21	3	1.17
(1,1842)	1:737:A:ASP:H	1:735:A:LEU:HD21	6	1.17
(1,1648)	1:732:A:LYS:H	1:731:A:LEU:HD21	3	1.17
(1,1401)	1:736:A:GLY:H	1:735:A:LEU:HD21	20	1.17
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	3	1.17
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	4	1.17
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	15	1.17
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	17	1.17
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	1	1.17
(1,1036)	1:786:A:THR:HA	1:784:A:VAL:HG21	14	1.17
(1,918)	1:725:A:LEU:HD11	1:780:A:ILE:HB	20	1.17
(1,914)	1:765:A:ARG:HG2	1:758:A:ILE:HG13	8	1.17
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	15	1.17
(1,297)	1:819:A:ARG:HA	1:735:A:LEU:HD11	15	1.17
(1,274)	1:740:A:SER:HA	1:779:A:VAL:HG21	17	1.17
(1,209)	1:785:A:PHE:HA	1:784:A:VAL:HG21	9	1.17
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	10	1.17
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	2	1.17
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	7	1.17
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD3	2	1.16
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD3	13	1.16
(1,2066)	1:723:A:ALA:H	1:795:A:LEU:HD11	17	1.16
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	17	1.16
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	20	1.16
(1,1648)	1:732:A:LYS:H	1:731:A:LEU:HD21	7	1.16
(1,1401)	1:736:A:GLY:H	1:735:A:LEU:HD21	11	1.16
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	12	1.16
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	7	1.16
(1,1036)	1:786:A:THR:HA	1:784:A:VAL:HG21	9	1.16
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	4	1.16
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	13	1.16
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	4	1.16
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	19	1.16
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	2	1.16
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	5	1.16
(1,47)	1:740:A:SER:HB3	1:779:A:VAL:HG21	3	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:740:A:SER:HB2	1:779:A:VAL:HG21	5	1.16
(1,2261)	1:795:A:LEU:HD12	1:724:A:SER:HA	10	1.15
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD3	4	1.15
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD3	15	1.15
(1,1970)	1:779:A:VAL:H	1:779:A:VAL:HG11	5	1.15
(1,1970)	1:779:A:VAL:H	1:779:A:VAL:HG11	20	1.15
(1,1842)	1:737:A:ASP:H	1:735:A:LEU:HD21	11	1.15
(1,1648)	1:732:A:LYS:H	1:731:A:LEU:HD21	14	1.15
(1,1542)	1:778:A:TYR:H	1:777:A:GLU:HG2	10	1.15
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	8	1.15
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	19	1.15
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	16	1.15
(1,957)	1:745:A:LEU:HD22	1:753:A:LEU:HD23	8	1.15
(1,572)	1:756:A:ASP:HB3	1:765:A:ARG:HD3	19	1.15
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	8	1.15
(1,274)	1:740:A:SER:HA	1:779:A:VAL:HG21	7	1.15
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	15	1.15
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	15	1.15
(1,1976)	1:748:A:GLN:HE22	1:746:A:LYS:HG2	1	1.14
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	2	1.14
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	6	1.14
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	14	1.14
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	13	1.14
(1,1036)	1:786:A:THR:HA	1:784:A:VAL:HG21	7	1.14
(1,918)	1:725:A:LEU:HD11	1:780:A:ILE:HB	15	1.14
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	9	1.14
(1,357)	1:816:A:GLN:HA	1:790:A:ASP:HB2	16	1.14
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	5	1.14
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	6	1.14
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	18	1.14
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	12	1.14
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD3	9	1.13
(1,1970)	1:779:A:VAL:H	1:779:A:VAL:HG11	8	1.13
(1,1970)	1:779:A:VAL:H	1:779:A:VAL:HG11	10	1.13
(1,1970)	1:779:A:VAL:H	1:779:A:VAL:HG11	15	1.13
(1,1513)	1:813:A:ALA:H	1:793:A:LEU:HD21	13	1.13
(1,1394)	1:734:A:CYS:H	1:733:A:LEU:HD11	17	1.13
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	18	1.13
(1,1036)	1:786:A:THR:HA	1:784:A:VAL:HG21	5	1.13
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	17	1.13
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	18	1.13
(1,799)	1:816:A:GLN:HB2	1:732:A:LYS:HA	10	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,726)	1:750:A:PRO:HB2	1:774:A:LYS:HG2	12	1.13
(1,726)	1:750:A:PRO:HB2	1:774:A:LYS:HG2	18	1.13
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	10	1.13
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	6	1.13
(1,72)	1:721:A:PRO:HA	1:719:A:VAL:HG11	4	1.13
(1,47)	1:740:A:SER:HB3	1:779:A:VAL:HG21	17	1.13
(1,1970)	1:779:A:VAL:H	1:779:A:VAL:HG11	2	1.12
(1,1970)	1:779:A:VAL:H	1:779:A:VAL:HG11	12	1.12
(1,1970)	1:779:A:VAL:H	1:779:A:VAL:HG11	14	1.12
(1,1970)	1:779:A:VAL:H	1:779:A:VAL:HG11	18	1.12
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	14	1.12
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	12	1.12
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	3	1.12
(1,986)	1:735:A:LEU:HD21	1:786:A:THR:HA	6	1.12
(1,914)	1:765:A:ARG:HG2	1:758:A:ILE:HG13	15	1.12
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	16	1.12
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	6	1.12
(1,599)	1:747:A:GLY:HA2	1:719:A:VAL:HG11	6	1.12
(1,558)	1:736:A:GLY:HA2	1:735:A:LEU:HD21	8	1.12
(1,443)	1:799:A:LYS:HA	1:805:A:VAL:HG11	5	1.12
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	5	1.12
(1,2178)	1:781:A:LYS:HE2	1:779:A:VAL:HG21	5	1.11
(1,1970)	1:779:A:VAL:H	1:779:A:VAL:HG11	3	1.11
(1,1970)	1:779:A:VAL:H	1:779:A:VAL:HG11	6	1.11
(1,1970)	1:779:A:VAL:H	1:779:A:VAL:HG11	17	1.11
(1,1919)	1:748:A:GLN:HE21	1:746:A:LYS:HG2	17	1.11
(1,1842)	1:737:A:ASP:H	1:735:A:LEU:HD21	12	1.11
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	5	1.11
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	10	1.11
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	13	1.11
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	19	1.11
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	1	1.11
(1,1036)	1:786:A:THR:HA	1:784:A:VAL:HG21	13	1.11
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	6	1.11
(1,962)	1:733:A:LEU:HD11	1:731:A:LEU:HA	11	1.11
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	18	1.11
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	11	1.11
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	13	1.11
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	14	1.11
(1,355)	1:794:A:SER:HA	1:793:A:LEU:HD21	13	1.11
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	11	1.11
(1,200)	1:741:A:VAL:HA	1:731:A:LEU:HD11	19	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	10	1.11
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	6	1.11
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	1	1.11
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	4	1.11
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	20	1.11
(1,2261)	1:795:A:LEU:HD12	1:724:A:SER:HA	18	1.1
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD3	14	1.1
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD3	16	1.1
(1,2066)	1:723:A:ALA:H	1:795:A:LEU:HD11	8	1.1
(1,1970)	1:779:A:VAL:H	1:779:A:VAL:HG11	7	1.1
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	1	1.1
(1,1202)	1:758:A:ILE:H	1:757:A:ILE:HG12	20	1.1
(1,1038)	1:784:A:VAL:HG21	1:736:A:GLY:HA3	14	1.1
(1,1035)	1:817:A:VAL:HG11	1:733:A:LEU:HB3	14	1.1
(1,957)	1:745:A:LEU:HD22	1:753:A:LEU:HD23	3	1.1
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	9	1.1
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	16	1.1
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	20	1.1
(1,296)	1:819:A:ARG:HA	1:819:A:ARG:HD3	19	1.1
(1,213)	1:798:A:ILE:HA	1:753:A:LEU:HD11	16	1.1
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	1	1.1
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	4	1.1
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	12	1.1
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	17	1.1
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	4	1.1
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	17	1.1
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD3	17	1.09
(1,2208)	1:774:A:LYS:HD3	1:750:A:PRO:HD2	15	1.09
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	8	1.09
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	4	1.09
(1,957)	1:745:A:LEU:HD22	1:753:A:LEU:HD23	10	1.09
(1,957)	1:745:A:LEU:HD21	1:753:A:LEU:HD23	11	1.09
(1,839)	1:757:A:ILE:HG12	1:793:A:LEU:HD11	6	1.09
(1,839)	1:757:A:ILE:HG12	1:793:A:LEU:HD11	14	1.09
(1,839)	1:757:A:ILE:HG12	1:793:A:LEU:HD11	18	1.09
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	11	1.09
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	16	1.09
(1,443)	1:799:A:LYS:HA	1:805:A:VAL:HG11	12	1.09
(1,357)	1:816:A:GLN:HA	1:790:A:ASP:HB2	17	1.09
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	9	1.09
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	2	1.09
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	2	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	18	1.09
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	8	1.09
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	16	1.09
(1,2168)	1:735:A:LEU:HB3	1:819:A:ARG:HB3	2	1.08
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	3	1.08
(1,1476)	1:731:A:LEU:H	1:815:A:ILE:HG12	20	1.08
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	6	1.08
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	3	1.08
(1,932)	1:753:A:LEU:HB2	1:753:A:LEU:HD21	9	1.08
(1,839)	1:757:A:ILE:HG12	1:793:A:LEU:HD11	19	1.08
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	11	1.08
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	15	1.08
(1,564)	1:736:A:GLY:HA3	1:735:A:LEU:HD21	15	1.08
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	12	1.08
(1,274)	1:740:A:SER:HA	1:779:A:VAL:HG21	3	1.08
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	4	1.08
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	7	1.08
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	13	1.08
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	16	1.08
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	15	1.08
(1,1976)	1:748:A:GLN:HE22	1:746:A:LYS:HG2	15	1.07
(1,1919)	1:748:A:GLN:HE21	1:746:A:LYS:HG2	16	1.07
(1,1804)	1:797:A:SER:H	1:808:A:LEU:HD11	4	1.07
(1,1759)	1:780:A:ILE:H	1:779:A:VAL:HG21	16	1.07
(1,1648)	1:732:A:LYS:H	1:731:A:LEU:HD21	16	1.07
(1,1542)	1:778:A:TYR:H	1:777:A:GLU:HG2	8	1.07
(1,1010)	1:723:A:ALA:HB1	1:795:A:LEU:HD21	18	1.07
(1,839)	1:757:A:ILE:HG12	1:793:A:LEU:HD11	1	1.07
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	16	1.07
(1,825)	1:726:A:LYS:HD3	1:777:A:GLU:HA	6	1.07
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	10	1.07
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	18	1.07
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	20	1.07
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	16	1.07
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	4	1.07
(1,443)	1:799:A:LYS:HA	1:805:A:VAL:HG11	14	1.07
(1,355)	1:794:A:SER:HA	1:793:A:LEU:HD21	20	1.07
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	20	1.07
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	8	1.07
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	9	1.07
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	10	1.07
(1,47)	1:740:A:SER:HB3	1:779:A:VAL:HG21	20	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:736:A:GLY:H	1:735:A:LEU:HD21	6	1.06
(1,1031)	1:805:A:VAL:HG11	1:805:A:VAL:HA	2	1.06
(1,1031)	1:805:A:VAL:HG11	1:805:A:VAL:HA	14	1.06
(1,980)	1:799:A:LYS:HG3	1:805:A:VAL:HG11	10	1.06
(1,726)	1:750:A:PRO:HB2	1:774:A:LYS:HG2	5	1.06
(1,355)	1:794:A:SER:HA	1:793:A:LEU:HD21	12	1.06
(1,148)	1:754:A:THR:HA	1:769:A:GLU:HB3	13	1.06
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	11	1.06
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	16	1.06
(1,1982)	1:748:A:GLN:H	1:746:A:LYS:HG2	16	1.05
(1,1542)	1:778:A:TYR:H	1:777:A:GLU:HG2	14	1.05
(1,1511)	1:818:A:ARG:H	1:817:A:VAL:HG11	16	1.05
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	11	1.05
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	12	1.05
(1,1031)	1:805:A:VAL:HG11	1:805:A:VAL:HA	5	1.05
(1,1031)	1:805:A:VAL:HG11	1:805:A:VAL:HA	12	1.05
(1,932)	1:753:A:LEU:HB2	1:753:A:LEU:HD21	16	1.05
(1,851)	1:742:A:PRO:HG3	1:726:A:LYS:HB3	16	1.05
(1,839)	1:757:A:ILE:HG12	1:793:A:LEU:HD11	10	1.05
(1,564)	1:736:A:GLY:HA3	1:735:A:LEU:HD21	16	1.05
(1,558)	1:736:A:GLY:HA2	1:735:A:LEU:HD21	16	1.05
(1,493)	1:744:A:ALA:HA	1:726:A:LYS:HD3	12	1.05
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	4	1.05
(1,355)	1:794:A:SER:HA	1:793:A:LEU:HD21	1	1.05
(1,274)	1:740:A:SER:HA	1:779:A:VAL:HG21	5	1.05
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	4	1.05
(1,200)	1:741:A:VAL:HA	1:731:A:LEU:HD11	13	1.05
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	1	1.05
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	14	1.05
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	20	1.05
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	19	1.05
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	7	1.05
(1,2207)	1:819:A:ARG:HB3	1:819:A:ARG:HD3	16	1.04
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB3	15	1.04
(1,1982)	1:748:A:GLN:H	1:746:A:LYS:HG2	13	1.04
(1,1804)	1:797:A:SER:H	1:808:A:LEU:HD11	2	1.04
(1,1394)	1:734:A:CYS:H	1:733:A:LEU:HD11	10	1.04
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	8	1.04
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	16	1.04
(1,1028)	1:733:A:LEU:HB3	1:817:A:VAL:HG21	8	1.04
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	16	1.04
(1,932)	1:753:A:LEU:HB2	1:753:A:LEU:HD21	14	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,918)	1:725:A:LEU:HD11	1:780:A:ILE:HB	6	1.04
(1,839)	1:757:A:ILE:HG12	1:793:A:LEU:HD11	12	1.04
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	2	1.04
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	12	1.04
(1,726)	1:750:A:PRO:HB2	1:774:A:LYS:HG2	16	1.04
(1,719)	1:743:A:VAL:HB	1:725:A:LEU:HD21	3	1.04
(1,708)	1:759:A:GLU:HG2	1:760:A:THR:HG21	1	1.04
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	5	1.04
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	12	1.04
(1,355)	1:794:A:SER:HA	1:793:A:LEU:HD21	5	1.04
(1,355)	1:794:A:SER:HA	1:793:A:LEU:HD21	6	1.04
(1,355)	1:794:A:SER:HA	1:793:A:LEU:HD21	10	1.04
(1,355)	1:794:A:SER:HA	1:793:A:LEU:HD21	19	1.04
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	13	1.04
(1,1982)	1:748:A:GLN:H	1:746:A:LYS:HG2	14	1.03
(1,1511)	1:818:A:ARG:H	1:817:A:VAL:HG11	2	1.03
(1,839)	1:757:A:ILE:HG12	1:793:A:LEU:HD11	5	1.03
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	8	1.03
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	13	1.03
(1,755)	1:721:A:PRO:HB3	1:798:A:ILE:HG21	5	1.03
(1,726)	1:750:A:PRO:HB2	1:774:A:LYS:HG2	9	1.03
(1,546)	1:753:A:LEU:HB3	1:798:A:ILE:HD11	13	1.03
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	1	1.03
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	16	1.03
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	11	1.03
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	9	1.03
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	7	1.03
(1,2168)	1:735:A:LEU:HB3	1:819:A:ARG:HB2	17	1.02
(1,1648)	1:732:A:LYS:H	1:731:A:LEU:HD21	15	1.02
(1,1511)	1:818:A:ARG:H	1:817:A:VAL:HG11	14	1.02
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	14	1.02
(1,1035)	1:817:A:VAL:HG11	1:733:A:LEU:HB3	10	1.02
(1,839)	1:757:A:ILE:HG12	1:793:A:LEU:HD11	20	1.02
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	17	1.02
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	19	1.02
(1,605)	1:819:A:ARG:HD3	1:735:A:LEU:HD21	5	1.02
(1,558)	1:736:A:GLY:HA2	1:735:A:LEU:HD21	13	1.02
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	1	1.02
(1,296)	1:819:A:ARG:HA	1:819:A:ARG:HD3	4	1.02
(1,261)	1:734:A:CYS:HA	1:817:A:VAL:HG11	2	1.02
(1,172)	1:758:A:ILE:HA	1:765:A:ARG:HG2	1	1.02
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	3	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	3	1.02
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	4	1.02
(1,1804)	1:797:A:SER:H	1:808:A:LEU:HD11	11	1.01
(1,1759)	1:780:A:ILE:H	1:779:A:VAL:HG21	15	1.01
(1,1648)	1:732:A:LYS:H	1:731:A:LEU:HD21	11	1.01
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	16	1.01
(1,962)	1:733:A:LEU:HD11	1:731:A:LEU:HA	20	1.01
(1,839)	1:757:A:ILE:HG12	1:793:A:LEU:HD11	13	1.01
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	4	1.01
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	5	1.01
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	5	1.01
(1,564)	1:736:A:GLY:HA3	1:735:A:LEU:HD21	8	1.01
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	3	1.01
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	12	1.01
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	18	1.01
(1,296)	1:819:A:ARG:HA	1:819:A:ARG:HD3	12	1.01
(1,261)	1:734:A:CYS:HA	1:817:A:VAL:HG11	16	1.01
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	6	1.01
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	11	1.01
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	15	1.01
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	9	1.01
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	7	1.01
(1,2178)	1:781:A:LYS:HE2	1:779:A:VAL:HG21	14	1.0
(1,1348)	1:743:A:VAL:H	1:779:A:VAL:HG11	18	1.0
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	9	1.0
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	12	1.0
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	3	1.0
(1,719)	1:743:A:VAL:HB	1:725:A:LEU:HD21	6	1.0
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	18	1.0
(1,427)	1:727:A:LEU:HA	1:727:A:LEU:HD11	9	1.0
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	5	1.0
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	19	1.0
(1,170)	1:758:A:ILE:HA	1:765:A:ARG:HB3	16	1.0
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	8	1.0
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	17	1.0
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB3	14	0.99
(1,1759)	1:780:A:ILE:H	1:779:A:VAL:HG21	10	0.99
(1,1759)	1:780:A:ILE:H	1:779:A:VAL:HG21	18	0.99
(1,1511)	1:818:A:ARG:H	1:817:A:VAL:HG11	8	0.99
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	1	0.99
(1,708)	1:759:A:GLU:HG2	1:760:A:THR:HG21	20	0.99
(1,604)	1:819:A:ARG:HD3	1:735:A:LEU:HD11	2	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:736:A:GLY:HA2	1:735:A:LEU:HD21	19	0.99
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	16	0.99
(1,296)	1:819:A:ARG:HA	1:819:A:ARG:HD3	11	0.99
(1,290)	1:819:A:ARG:HA	1:735:A:LEU:HB3	9	0.99
(1,290)	1:819:A:ARG:HA	1:735:A:LEU:HB3	14	0.99
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	7	0.99
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	6	0.99
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	13	0.99
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	14	0.99
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	4	0.99
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD2	8	0.98
(1,2168)	1:735:A:LEU:HB3	1:819:A:ARG:HB2	14	0.98
(1,1982)	1:748:A:GLN:H	1:746:A:LYS:HG2	17	0.98
(1,1804)	1:797:A:SER:H	1:808:A:LEU:HD11	6	0.98
(1,1648)	1:732:A:LYS:H	1:731:A:LEU:HD21	9	0.98
(1,1394)	1:734:A:CYS:H	1:733:A:LEU:HD11	15	0.98
(1,1378)	1:817:A:VAL:H	1:817:A:VAL:HG21	16	0.98
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	7	0.98
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	14	0.98
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE3	2	0.98
(1,726)	1:750:A:PRO:HB2	1:774:A:LYS:HG2	1	0.98
(1,726)	1:750:A:PRO:HB2	1:774:A:LYS:HG2	7	0.98
(1,719)	1:743:A:VAL:HB	1:725:A:LEU:HD21	15	0.98
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	13	0.98
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	17	0.98
(1,357)	1:816:A:GLN:HA	1:790:A:ASP:HB2	18	0.98
(1,357)	1:816:A:GLN:HA	1:790:A:ASP:HB2	20	0.98
(1,296)	1:819:A:ARG:HA	1:819:A:ARG:HD3	7	0.98
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	12	0.98
(1,181)	1:743:A:VAL:HA	1:725:A:LEU:HB2	3	0.98
(1,170)	1:758:A:ILE:HA	1:765:A:ARG:HB3	7	0.98
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	10	0.98
(1,26)	1:739:A:SER:HB2	1:733:A:LEU:HD21	15	0.98
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD2	5	0.97
(1,2110)	1:735:A:LEU:HA	1:817:A:VAL:HG11	5	0.97
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	10	0.97
(1,1982)	1:748:A:GLN:H	1:746:A:LYS:HG2	1	0.97
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	18	0.97
(1,1348)	1:743:A:VAL:H	1:779:A:VAL:HG11	3	0.97
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	11	0.97
(1,1035)	1:817:A:VAL:HG11	1:733:A:LEU:HB3	16	0.97
(1,962)	1:733:A:LEU:HD11	1:731:A:LEU:HA	12	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:765:A:ARG:HG2	1:758:A:ILE:HG13	13	0.97
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	11	0.97
(1,558)	1:736:A:GLY:HA2	1:735:A:LEU:HD21	15	0.97
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	1	0.97
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	7	0.97
(1,443)	1:799:A:LYS:HA	1:805:A:VAL:HG11	2	0.97
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	14	0.97
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	19	0.97
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	16	0.97
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	18	0.97
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	16	0.97
(1,2259)	1:819:A:ARG:HB3	1:819:A:ARG:HD3	2	0.96
(1,2220)	1:758:A:ILE:HG13	1:765:A:ARG:HD2	12	0.96
(1,2144)	1:742:A:PRO:HD3	1:727:A:LEU:HD21	18	0.96
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB3	10	0.96
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB3	19	0.96
(1,1648)	1:732:A:LYS:H	1:731:A:LEU:HD21	19	0.96
(1,1184)	1:753:A:LEU:HD21	1:755:A:TYR:HE2	18	0.96
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	4	0.96
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	8	0.96
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	2	0.96
(1,726)	1:750:A:PRO:HB2	1:774:A:LYS:HG2	14	0.96
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	3	0.96
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	8	0.96
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	11	0.96
(1,290)	1:819:A:ARG:HA	1:735:A:LEU:HB3	17	0.96
(1,290)	1:819:A:ARG:HA	1:735:A:LEU:HB3	18	0.96
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	17	0.96
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	6	0.96
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	2	0.96
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	10	0.95
(1,2066)	1:723:A:ALA:H	1:795:A:LEU:HD11	11	0.95
(1,2058)	1:816:A:GLN:HE21	1:732:A:LYS:HE3	16	0.95
(1,1348)	1:743:A:VAL:H	1:779:A:VAL:HG11	6	0.95
(1,1348)	1:743:A:VAL:H	1:779:A:VAL:HG11	10	0.95
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	13	0.95
(1,1035)	1:817:A:VAL:HG11	1:733:A:LEU:HB3	7	0.95
(1,962)	1:733:A:LEU:HD11	1:731:A:LEU:HA	15	0.95
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	7	0.95
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	7	0.95
(1,636)	1:795:A:LEU:HB2	1:795:A:LEU:HD11	7	0.95
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	7	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	7	0.95
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	2	0.95
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	4	0.95
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	5	0.95
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	9	0.95
(1,357)	1:816:A:GLN:HA	1:790:A:ASP:HB2	12	0.95
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	20	0.95
(1,26)	1:739:A:SER:HB2	1:733:A:LEU:HD21	8	0.95
(1,2259)	1:819:A:ARG:HB3	1:819:A:ARG:HD3	16	0.94
(1,2241)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	20	0.94
(1,1976)	1:748:A:GLN:HE22	1:746:A:LYS:HG2	19	0.94
(1,1804)	1:797:A:SER:H	1:808:A:LEU:HD11	13	0.94
(1,1759)	1:780:A:ILE:H	1:779:A:VAL:HG21	8	0.94
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	11	0.94
(1,1348)	1:743:A:VAL:H	1:779:A:VAL:HG11	8	0.94
(1,1348)	1:743:A:VAL:H	1:779:A:VAL:HG11	16	0.94
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	1	0.94
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	18	0.94
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE3	6	0.94
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE3	7	0.94
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	12	0.94
(1,726)	1:750:A:PRO:HB2	1:774:A:LYS:HG2	19	0.94
(1,719)	1:743:A:VAL:HB	1:725:A:LEU:HD21	19	0.94
(1,719)	1:743:A:VAL:HB	1:725:A:LEU:HD21	20	0.94
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	2	0.94
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	20	0.94
(1,636)	1:795:A:LEU:HB2	1:795:A:LEU:HD11	8	0.94
(1,636)	1:795:A:LEU:HB2	1:795:A:LEU:HD11	11	0.94
(1,604)	1:819:A:ARG:HD3	1:735:A:LEU:HD11	13	0.94
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	1	0.94
(1,564)	1:736:A:GLY:HA3	1:735:A:LEU:HD21	13	0.94
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	6	0.94
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	13	0.94
(1,170)	1:758:A:ILE:HA	1:765:A:ARG:HB3	10	0.94
(1,48)	1:722:A:SER:HB3	1:746:A:LYS:HB2	13	0.94
(1,44)	1:796:A:VAL:HA	1:808:A:LEU:HD11	6	0.94
(1,2231)	1:757:A:ILE:HG12	1:793:A:LEU:HD11	16	0.93
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	1	0.93
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	12	0.93
(1,1919)	1:748:A:GLN:HE21	1:746:A:LYS:HG2	11	0.93
(1,1759)	1:780:A:ILE:H	1:779:A:VAL:HG21	3	0.93
(1,1759)	1:780:A:ILE:H	1:779:A:VAL:HG21	5	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1394)	1:734:A:CYS:H	1:733:A:LEU:HD11	20	0.93
(1,1348)	1:743:A:VAL:H	1:779:A:VAL:HG11	15	0.93
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	17	0.93
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	3	0.93
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	3	0.93
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	6	0.93
(1,636)	1:795:A:LEU:HB2	1:795:A:LEU:HD11	10	0.93
(1,636)	1:795:A:LEU:HB2	1:795:A:LEU:HD11	17	0.93
(1,636)	1:795:A:LEU:HB2	1:795:A:LEU:HD11	18	0.93
(1,565)	1:736:A:GLY:HA3	1:786:A:THR:HG21	8	0.93
(1,565)	1:736:A:GLY:HA3	1:786:A:THR:HG21	12	0.93
(1,558)	1:736:A:GLY:HA2	1:735:A:LEU:HD21	3	0.93
(1,528)	1:721:A:PRO:HD3	1:798:A:ILE:HB	16	0.93
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	20	0.93
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	15	0.93
(1,357)	1:816:A:GLN:HA	1:790:A:ASP:HB2	6	0.93
(1,296)	1:819:A:ARG:HA	1:819:A:ARG:HD3	10	0.93
(1,296)	1:819:A:ARG:HA	1:819:A:ARG:HD3	20	0.93
(1,290)	1:819:A:ARG:HA	1:735:A:LEU:HB3	4	0.93
(1,290)	1:819:A:ARG:HA	1:735:A:LEU:HB3	7	0.93
(1,170)	1:758:A:ILE:HA	1:765:A:ARG:HB3	11	0.93
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	2	0.93
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	4	0.93
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	19	0.93
(1,72)	1:721:A:PRO:HA	1:719:A:VAL:HG11	12	0.93
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB3	13	0.92
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	10	0.92
(1,1798)	1:800:A:ASP:H	1:721:A:PRO:HG3	13	0.92
(1,1759)	1:780:A:ILE:H	1:779:A:VAL:HG21	6	0.92
(1,1759)	1:780:A:ILE:H	1:779:A:VAL:HG21	12	0.92
(1,1759)	1:780:A:ILE:H	1:779:A:VAL:HG21	20	0.92
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	12	0.92
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	7	0.92
(1,1035)	1:817:A:VAL:HG11	1:733:A:LEU:HB3	8	0.92
(1,980)	1:799:A:LYS:HG3	1:805:A:VAL:HG11	20	0.92
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	15	0.92
(1,564)	1:736:A:GLY:HA3	1:735:A:LEU:HD21	19	0.92
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	6	0.92
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	12	0.91
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	19	0.91
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	19	0.91
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	3	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	10	0.91
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	15	0.91
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD2	2	0.91
(1,986)	1:735:A:LEU:HD21	1:786:A:THR:HA	10	0.91
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	11	0.91
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	6	0.91
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	7	0.91
(1,802)	1:726:A:LYS:HB2	1:726:A:LYS:HE3	14	0.91
(1,786)	1:720:A:LYS:HB2	1:720:A:LYS:HE2	20	0.91
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	1	0.91
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	4	0.91
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	12	0.91
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	18	0.91
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	19	0.91
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	12	0.91
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	16	0.91
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	18	0.91
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	16	0.91
(1,355)	1:794:A:SER:HA	1:793:A:LEU:HD21	18	0.91
(1,297)	1:819:A:ARG:HA	1:735:A:LEU:HD11	6	0.91
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	8	0.91
(1,48)	1:722:A:SER:HB3	1:746:A:LYS:HB2	6	0.91
(1,44)	1:796:A:VAL:HA	1:808:A:LEU:HD11	2	0.91
(1,1976)	1:748:A:GLN:HE22	1:746:A:LYS:HG2	6	0.9
(1,1896)	1:777:A:GLU:H	1:777:A:GLU:HB3	8	0.9
(1,1896)	1:777:A:GLU:H	1:777:A:GLU:HB3	20	0.9
(1,1759)	1:780:A:ILE:H	1:779:A:VAL:HG21	2	0.9
(1,1759)	1:780:A:ILE:H	1:779:A:VAL:HG21	14	0.9
(1,1394)	1:734:A:CYS:H	1:733:A:LEU:HD11	11	0.9
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	5	0.9
(1,1277)	1:741:A:VAL:H	1:779:A:VAL:HG21	18	0.9
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE3	20	0.9
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	19	0.9
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	8	0.9
(1,1018)	1:787:A:THR:HG23	1:819:A:ARG:HD2	10	0.9
(1,982)	1:733:A:LEU:HD11	1:732:A:LYS:HA	19	0.9
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	19	0.9
(1,726)	1:750:A:PRO:HB2	1:774:A:LYS:HG2	4	0.9
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	5	0.9
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	1	0.9
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	19	0.9
(1,605)	1:819:A:ARG:HD3	1:735:A:LEU:HD21	7	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	6	0.9
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	12	0.9
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	15	0.9
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	14	0.9
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	15	0.9
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	17	0.9
(1,44)	1:796:A:VAL:HA	1:808:A:LEU:HD11	13	0.9
(1,2066)	1:723:A:ALA:H	1:795:A:LEU:HD11	7	0.89
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	13	0.89
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	6	0.89
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	7	0.89
(1,986)	1:735:A:LEU:HD21	1:786:A:THR:HA	5	0.89
(1,982)	1:733:A:LEU:HD11	1:732:A:LYS:HA	20	0.89
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	1	0.89
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	9	0.89
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	9	0.89
(1,789)	1:720:A:LYS:HB2	1:806:A:VAL:HG11	17	0.89
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	3	0.89
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	9	0.89
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	11	0.89
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	14	0.89
(1,558)	1:736:A:GLY:HA2	1:735:A:LEU:HD21	12	0.89
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	8	0.89
(1,296)	1:819:A:ARG:HA	1:819:A:ARG:HD3	14	0.89
(1,290)	1:819:A:ARG:HA	1:735:A:LEU:HB3	13	0.89
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	11	0.89
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	2	0.89
(1,2066)	1:723:A:ALA:H	1:795:A:LEU:HD11	10	0.88
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	18	0.88
(1,1896)	1:777:A:GLU:H	1:777:A:GLU:HB3	6	0.88
(1,1615)	1:720:A:LYS:H	1:719:A:VAL:HG21	1	0.88
(1,1613)	1:720:A:LYS:H	1:720:A:LYS:HG3	19	0.88
(1,1348)	1:743:A:VAL:H	1:779:A:VAL:HG11	2	0.88
(1,1348)	1:743:A:VAL:H	1:779:A:VAL:HG11	7	0.88
(1,1348)	1:743:A:VAL:H	1:779:A:VAL:HG11	17	0.88
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	19	0.88
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	20	0.88
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE3	18	0.88
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	19	0.88
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD3	15	0.88
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	11	0.88
(1,605)	1:819:A:ARG:HD3	1:735:A:LEU:HD21	4	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,564)	1:736:A:GLY:HA3	1:735:A:LEU:HD21	3	0.88
(1,3)	1:752:A:THR:HB	1:799:A:LYS:HD3	8	0.88
(1,2110)	1:735:A:LEU:HA	1:817:A:VAL:HG11	6	0.87
(1,1896)	1:777:A:GLU:H	1:777:A:GLU:HB3	10	0.87
(1,1759)	1:780:A:ILE:H	1:779:A:VAL:HG21	7	0.87
(1,1348)	1:743:A:VAL:H	1:779:A:VAL:HG11	5	0.87
(1,1348)	1:743:A:VAL:H	1:779:A:VAL:HG11	12	0.87
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	2	0.87
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	10	0.87
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE3	8	0.87
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE3	9	0.87
(1,1035)	1:817:A:VAL:HG11	1:733:A:LEU:HB3	2	0.87
(1,1011)	1:795:A:LEU:HD21	1:753:A:LEU:HD11	17	0.87
(1,960)	1:720:A:LYS:HG3	1:719:A:VAL:HG21	13	0.87
(1,789)	1:720:A:LYS:HB2	1:806:A:VAL:HG11	7	0.87
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	8	0.87
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	10	0.87
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	13	0.87
(1,657)	1:803:A:GLY:HA3	1:799:A:LYS:HE2	8	0.87
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	1	0.87
(1,170)	1:758:A:ILE:HA	1:765:A:ARG:HB3	2	0.87
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	17	0.87
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	20	0.87
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	6	0.86
(1,2144)	1:742:A:PRO:HD3	1:727:A:LEU:HD21	7	0.86
(1,2144)	1:742:A:PRO:HD3	1:727:A:LEU:HD11	17	0.86
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	4	0.86
(1,1976)	1:748:A:GLN:HE22	1:746:A:LYS:HG2	4	0.86
(1,1896)	1:777:A:GLU:H	1:777:A:GLU:HB3	15	0.86
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	16	0.86
(1,1759)	1:780:A:ILE:H	1:779:A:VAL:HG21	17	0.86
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	14	0.86
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	13	0.86
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	11	0.86
(1,708)	1:759:A:GLU:HG2	1:760:A:THR:HG21	11	0.86
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	4	0.86
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	9	0.86
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	13	0.86
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	15	0.86
(1,443)	1:799:A:LYS:HA	1:805:A:VAL:HG11	19	0.86
(1,341)	1:725:A:LEU:HA	1:743:A:VAL:HG21	13	0.86
(1,296)	1:819:A:ARG:HA	1:819:A:ARG:HD3	1	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:819:A:ARG:HA	1:735:A:LEU:HB3	8	0.86
(1,290)	1:819:A:ARG:HA	1:735:A:LEU:HB3	15	0.86
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	7	0.86
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	13	0.86
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	18	0.86
(1,44)	1:796:A:VAL:HA	1:808:A:LEU:HD11	11	0.86
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	2	0.85
(1,2168)	1:735:A:LEU:HB3	1:819:A:ARG:HB3	16	0.85
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	15	0.85
(1,1896)	1:777:A:GLU:H	1:777:A:GLU:HB3	9	0.85
(1,1896)	1:777:A:GLU:H	1:777:A:GLU:HB3	19	0.85
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	14	0.85
(1,1394)	1:734:A:CYS:H	1:733:A:LEU:HD11	19	0.85
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	8	0.85
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	13	0.85
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE3	19	0.85
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	10	0.85
(1,1038)	1:784:A:VAL:HG21	1:736:A:GLY:HA3	2	0.85
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD3	13	0.85
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	12	0.85
(1,726)	1:750:A:PRO:HB2	1:774:A:LYS:HG2	6	0.85
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	14	0.85
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	6	0.85
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	10	0.85
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	14	0.85
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	10	0.85
(1,443)	1:799:A:LYS:HA	1:805:A:VAL:HG11	20	0.85
(1,296)	1:819:A:ARG:HA	1:819:A:ARG:HD3	17	0.85
(1,290)	1:819:A:ARG:HA	1:735:A:LEU:HB3	2	0.85
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	5	0.85
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	19	0.85
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	11	0.85
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	1	0.84
(1,1896)	1:777:A:GLU:H	1:777:A:GLU:HB3	2	0.84
(1,1896)	1:777:A:GLU:H	1:777:A:GLU:HB3	12	0.84
(1,1896)	1:777:A:GLU:H	1:777:A:GLU:HB3	17	0.84
(1,1648)	1:732:A:LYS:H	1:731:A:LEU:HD21	10	0.84
(1,1648)	1:732:A:LYS:H	1:731:A:LEU:HD21	13	0.84
(1,1621)	1:726:A:LYS:H	1:725:A:LEU:HD21	19	0.84
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE3	4	0.84
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE2	15	0.84
(1,986)	1:735:A:LEU:HD21	1:786:A:THR:HA	3	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,957)	1:745:A:LEU:HD22	1:753:A:LEU:HD23	18	0.84
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	13	0.84
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	16	0.84
(1,669)	1:730:A:ASP:HB2	1:815:A:ILE:HA	15	0.84
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	18	0.84
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	20	0.84
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	7	0.84
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	16	0.84
(1,355)	1:794:A:SER:HA	1:793:A:LEU:HD21	14	0.84
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	20	0.84
(1,170)	1:758:A:ILE:HA	1:765:A:ARG:HB3	3	0.84
(1,147)	1:754:A:THR:HA	1:769:A:GLU:HG2	17	0.84
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	19	0.84
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	5	0.83
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	18	0.83
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	2	0.83
(1,1896)	1:777:A:GLU:H	1:777:A:GLU:HB3	1	0.83
(1,1896)	1:777:A:GLU:H	1:777:A:GLU:HB3	18	0.83
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	7	0.83
(1,1277)	1:741:A:VAL:H	1:779:A:VAL:HG21	16	0.83
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	17	0.83
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	10	0.83
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	10	0.83
(1,404)	1:720:A:LYS:HA	1:720:A:LYS:HE2	20	0.83
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	19	0.83
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	3	0.83
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	11	0.83
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	15	0.83
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	18	0.83
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	17	0.83
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	3	0.83
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	15	0.83
(1,72)	1:721:A:PRO:HA	1:719:A:VAL:HG11	11	0.83
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	16	0.82
(1,2259)	1:819:A:ARG:HB3	1:819:A:ARG:HD3	9	0.82
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	11	0.82
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	16	0.82
(1,1038)	1:784:A:VAL:HG21	1:736:A:GLY:HA3	16	0.82
(1,986)	1:735:A:LEU:HD21	1:786:A:THR:HA	16	0.82
(1,883)	1:815:A:ILE:HG12	1:731:A:LEU:HB2	19	0.82
(1,708)	1:759:A:GLU:HG2	1:760:A:THR:HG21	19	0.82
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	12	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,669)	1:730:A:ASP:HB2	1:815:A:ILE:HA	8	0.82
(1,657)	1:803:A:GLY:HA3	1:799:A:LYS:HE2	1	0.82
(1,647)	1:766:A:LYS:HE2	1:766:A:LYS:HG3	12	0.82
(1,516)	1:811:A:PRO:HD3	1:810:A:GLN:HB2	19	0.82
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	16	0.82
(1,443)	1:799:A:LYS:HA	1:805:A:VAL:HG11	10	0.82
(1,427)	1:727:A:LEU:HA	1:727:A:LEU:HD11	4	0.82
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	18	0.82
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	1	0.82
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	12	0.82
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	19	0.82
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	20	0.82
(1,297)	1:819:A:ARG:HA	1:735:A:LEU:HD11	8	0.82
(1,261)	1:734:A:CYS:HA	1:817:A:VAL:HG11	14	0.82
(1,170)	1:758:A:ILE:HA	1:765:A:ARG:HB3	9	0.82
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	14	0.82
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	4	0.81
(1,2144)	1:742:A:PRO:HD3	1:727:A:LEU:HD21	5	0.81
(1,2144)	1:742:A:PRO:HD3	1:727:A:LEU:HD21	6	0.81
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	5	0.81
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	6	0.81
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	9	0.81
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	15	0.81
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE3	5	0.81
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	12	0.81
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	20	0.81
(1,1028)	1:733:A:LEU:HB3	1:817:A:VAL:HG21	2	0.81
(1,986)	1:735:A:LEU:HD21	1:786:A:THR:HA	19	0.81
(1,647)	1:766:A:LYS:HE2	1:766:A:LYS:HG3	13	0.81
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	2	0.81
(1,443)	1:799:A:LYS:HA	1:805:A:VAL:HG11	18	0.81
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	3	0.81
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	8	0.81
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	9	0.81
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	5	0.81
(1,48)	1:722:A:SER:HB3	1:746:A:LYS:HB2	18	0.81
(1,2178)	1:781:A:LYS:HE2	1:779:A:VAL:HG21	18	0.8
(1,2110)	1:735:A:LEU:HA	1:817:A:VAL:HG11	15	0.8
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	5	0.8
(1,1648)	1:732:A:LYS:H	1:731:A:LEU:HD21	5	0.8
(1,1621)	1:726:A:LYS:H	1:725:A:LEU:HD21	20	0.8
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	20	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:741:A:VAL:H	1:779:A:VAL:HG21	8	0.8
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	20	0.8
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	11	0.8
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE3	16	0.8
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	6	0.8
(1,982)	1:733:A:LEU:HD11	1:732:A:LYS:HA	13	0.8
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	4	0.8
(1,708)	1:759:A:GLU:HG2	1:760:A:THR:HG21	6	0.8
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	4	0.8
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	8	0.8
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	10	0.8
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	15	0.8
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	10	0.8
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	17	0.8
(1,290)	1:819:A:ARG:HA	1:735:A:LEU:HB3	19	0.8
(1,185)	1:743:A:VAL:HA	1:743:A:VAL:HG21	13	0.8
(1,170)	1:758:A:ILE:HA	1:765:A:ARG:HB3	15	0.8
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	14	0.8
(1,46)	1:740:A:SER:HB2	1:779:A:VAL:HG21	12	0.8
(1,44)	1:796:A:VAL:HA	1:808:A:LEU:HD11	18	0.8
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	5	0.8
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	8	0.79
(1,2246)	1:727:A:LEU:HB2	1:727:A:LEU:HD21	9	0.79
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	16	0.79
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	3	0.79
(1,1348)	1:743:A:VAL:H	1:779:A:VAL:HG11	20	0.79
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	15	0.79
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE3	17	0.79
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	8	0.79
(1,980)	1:799:A:LYS:HG3	1:805:A:VAL:HG11	19	0.79
(1,705)	1:799:A:LYS:HB2	1:799:A:LYS:HE3	4	0.79
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	14	0.79
(1,518)	1:811:A:PRO:HD3	1:810:A:GLN:HG3	19	0.79
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	3	0.79
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	4	0.79
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	5	0.79
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	8	0.79
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	2	0.79
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	4	0.79
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	14	0.79
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	14	0.78
(1,1896)	1:777:A:GLU:H	1:777:A:GLU:HB3	3	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	1	0.78
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	3	0.78
(1,1621)	1:726:A:LYS:H	1:725:A:LEU:HD21	15	0.78
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	2	0.78
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	6	0.78
(1,1277)	1:741:A:VAL:H	1:779:A:VAL:HG21	15	0.78
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	2	0.78
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	7	0.78
(1,968)	1:731:A:LEU:HB3	1:731:A:LEU:HD11	19	0.78
(1,952)	1:733:A:LEU:HD21	1:739:A:SER:HA	17	0.78
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	17	0.78
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	2	0.78
(1,726)	1:750:A:PRO:HB2	1:774:A:LYS:HG2	11	0.78
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	5	0.78
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	18	0.78
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	9	0.78
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	3	0.78
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	9	0.78
(1,572)	1:756:A:ASP:HB3	1:765:A:ARG:HD3	12	0.78
(1,489)	1:723:A:ALA:HA	1:753:A:LEU:HD21	9	0.78
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	9	0.78
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	12	0.78
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	6	0.78
(1,297)	1:819:A:ARG:HA	1:735:A:LEU:HD11	12	0.78
(1,268)	1:724:A:SER:HA	1:725:A:LEU:HD21	13	0.78
(1,153)	1:805:A:VAL:HA	1:799:A:LYS:HB3	20	0.78
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	13	0.78
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB3	12	0.77
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	20	0.77
(1,1621)	1:726:A:LYS:H	1:725:A:LEU:HD21	6	0.77
(1,1621)	1:726:A:LYS:H	1:725:A:LEU:HD21	13	0.77
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	4	0.77
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	17	0.77
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	13	0.77
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	10	0.77
(1,1277)	1:741:A:VAL:H	1:779:A:VAL:HG21	12	0.77
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	17	0.77
(1,1086)	1:722:A:SER:HA	1:798:A:ILE:HD11	16	0.77
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE2	11	0.77
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	11	0.77
(1,1035)	1:817:A:VAL:HG11	1:733:A:LEU:HB3	17	0.77
(1,968)	1:731:A:LEU:HB3	1:731:A:LEU:HD11	3	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,968)	1:731:A:LEU:HB3	1:731:A:LEU:HD11	13	0.77
(1,883)	1:815:A:ILE:HG12	1:731:A:LEU:HB2	13	0.77
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	3	0.77
(1,647)	1:766:A:LYS:HE2	1:766:A:LYS:HG3	17	0.77
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	13	0.77
(1,341)	1:725:A:LEU:HA	1:743:A:VAL:HG21	14	0.77
(1,268)	1:724:A:SER:HA	1:725:A:LEU:HD21	3	0.77
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	8	0.77
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	12	0.77
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	13	0.76
(1,1621)	1:726:A:LYS:H	1:725:A:LEU:HD21	3	0.76
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	14	0.76
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	8	0.76
(1,1394)	1:734:A:CYS:H	1:733:A:LEU:HD11	2	0.76
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	6	0.76
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	4	0.76
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	10	0.76
(1,1002)	1:753:A:LEU:HD11	1:798:A:ILE:HG12	9	0.76
(1,669)	1:730:A:ASP:HB2	1:815:A:ILE:HA	3	0.76
(1,647)	1:766:A:LYS:HE2	1:766:A:LYS:HG3	2	0.76
(1,605)	1:819:A:ARG:HD3	1:735:A:LEU:HD21	15	0.76
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	3	0.76
(1,564)	1:736:A:GLY:HA3	1:735:A:LEU:HD21	20	0.76
(1,518)	1:811:A:PRO:HD3	1:810:A:GLN:HG3	14	0.76
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	11	0.76
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	5	0.76
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	16	0.76
(1,290)	1:819:A:ARG:HA	1:735:A:LEU:HB3	16	0.76
(1,268)	1:724:A:SER:HA	1:725:A:LEU:HD21	15	0.76
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	7	0.76
(1,170)	1:758:A:ILE:HA	1:765:A:ARG:HB3	12	0.76
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	6	0.76
(1,25)	1:797:A:SER:HB2	1:805:A:VAL:HG11	10	0.76
(1,2318)	1:780:A:ILE:H	1:741:A:VAL:HG21	19	0.75
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	11	0.75
(1,2249)	1:779:A:VAL:HG21	1:781:A:LYS:HG3	16	0.75
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	12	0.75
(1,1415)	1:752:A:THR:H	1:799:A:LYS:HB2	2	0.75
(1,1277)	1:741:A:VAL:H	1:779:A:VAL:HG21	3	0.75
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	2	0.75
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	5	0.75
(1,1086)	1:722:A:SER:HA	1:798:A:ILE:HD11	12	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	5	0.75
(1,990)	1:723:A:ALA:HB1	1:746:A:LYS:HB3	20	0.75
(1,968)	1:731:A:LEU:HB3	1:731:A:LEU:HD11	9	0.75
(1,952)	1:733:A:LEU:HD21	1:739:A:SER:HA	13	0.75
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	8	0.75
(1,789)	1:720:A:LYS:HB2	1:806:A:VAL:HG11	20	0.75
(1,647)	1:766:A:LYS:HE2	1:766:A:LYS:HG3	11	0.75
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	16	0.75
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	8	0.75
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	13	0.75
(1,564)	1:736:A:GLY:HA3	1:735:A:LEU:HD21	10	0.75
(1,564)	1:736:A:GLY:HA3	1:735:A:LEU:HD21	12	0.75
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	2	0.75
(1,268)	1:724:A:SER:HA	1:725:A:LEU:HD21	6	0.75
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	18	0.75
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	1	0.75
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	17	0.75
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	14	0.74
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	15	0.74
(1,2156)	1:765:A:ARG:HD3	1:765:A:ARG:HB3	1	0.74
(1,2110)	1:735:A:LEU:HA	1:817:A:VAL:HG11	13	0.74
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	3	0.74
(1,1646)	1:732:A:LYS:H	1:732:A:LYS:HG3	1	0.74
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	1	0.74
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	14	0.74
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	15	0.74
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	12	0.74
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	7	0.74
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	5	0.74
(1,1035)	1:817:A:VAL:HG11	1:733:A:LEU:HB3	20	0.74
(1,968)	1:731:A:LEU:HB3	1:731:A:LEU:HD11	14	0.74
(1,968)	1:731:A:LEU:HB3	1:731:A:LEU:HD11	15	0.74
(1,962)	1:733:A:LEU:HD11	1:731:A:LEU:HA	8	0.74
(1,938)	1:733:A:LEU:HB2	1:733:A:LEU:HD21	4	0.74
(1,870)	1:742:A:PRO:HG2	1:779:A:VAL:HG11	13	0.74
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	3	0.74
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	19	0.74
(1,568)	1:756:A:ASP:HB2	1:796:A:VAL:HG21	18	0.74
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	7	0.74
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	13	0.74
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	17	0.74
(1,111)	1:787:A:THR:HA	1:735:A:LEU:HD21	19	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2156)	1:765:A:ARG:HD3	1:765:A:ARG:HB3	16	0.73
(1,2144)	1:742:A:PRO:HD3	1:727:A:LEU:HD21	9	0.73
(1,1615)	1:720:A:LYS:H	1:719:A:VAL:HG21	4	0.73
(1,1615)	1:720:A:LYS:H	1:719:A:VAL:HG21	7	0.73
(1,1516)	1:789:A:GLY:H	1:816:A:GLN:HE22	12	0.73
(1,1277)	1:741:A:VAL:H	1:779:A:VAL:HG21	20	0.73
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	11	0.73
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE3	1	0.73
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	1	0.73
(1,1038)	1:784:A:VAL:HG21	1:736:A:GLY:HA3	9	0.73
(1,1038)	1:784:A:VAL:HG21	1:736:A:GLY:HA3	11	0.73
(1,986)	1:735:A:LEU:HD21	1:786:A:THR:HA	13	0.73
(1,938)	1:733:A:LEU:HB2	1:733:A:LEU:HD21	13	0.73
(1,647)	1:766:A:LYS:HE2	1:766:A:LYS:HG3	20	0.73
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	14	0.73
(1,341)	1:725:A:LEU:HA	1:743:A:VAL:HG21	1	0.73
(1,341)	1:725:A:LEU:HA	1:743:A:VAL:HG21	11	0.73
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	10	0.73
(1,172)	1:758:A:ILE:HA	1:765:A:ARG:HG2	12	0.73
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	1	0.73
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	11	0.72
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	9	0.72
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	11	0.72
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	9	0.72
(1,1394)	1:734:A:CYS:H	1:733:A:LEU:HD11	7	0.72
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	4	0.72
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	18	0.72
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	1	0.72
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	5	0.72
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	4	0.72
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	11	0.72
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	17	0.72
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE3	14	0.72
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	18	0.72
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD2	5	0.72
(1,990)	1:723:A:ALA:HB1	1:746:A:LYS:HB3	16	0.72
(1,968)	1:731:A:LEU:HB3	1:731:A:LEU:HD11	7	0.72
(1,968)	1:731:A:LEU:HB3	1:731:A:LEU:HD11	11	0.72
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	4	0.72
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	10	0.72
(1,669)	1:730:A:ASP:HB2	1:815:A:ILE:HA	16	0.72
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	11	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:736:A:GLY:HA2	1:735:A:LEU:HD21	20	0.72
(1,518)	1:811:A:PRO:HD3	1:810:A:GLN:HG3	10	0.72
(1,170)	1:758:A:ILE:HA	1:765:A:ARG:HB3	4	0.72
(1,2246)	1:727:A:LEU:HB2	1:727:A:LEU:HD21	14	0.71
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	4	0.71
(1,1277)	1:741:A:VAL:H	1:779:A:VAL:HG21	2	0.71
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	12	0.71
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	3	0.71
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	8	0.71
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	9	0.71
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	9	0.71
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	17	0.71
(1,1038)	1:784:A:VAL:HG21	1:736:A:GLY:HA3	3	0.71
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD3	8	0.71
(1,984)	1:737:A:ASP:HB3	1:733:A:LEU:HD11	4	0.71
(1,982)	1:733:A:LEU:HD11	1:732:A:LYS:HA	17	0.71
(1,938)	1:733:A:LEU:HB2	1:733:A:LEU:HD21	2	0.71
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	15	0.71
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	15	0.71
(1,647)	1:766:A:LYS:HE2	1:766:A:LYS:HG3	6	0.71
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	15	0.71
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	19	0.71
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	6	0.71
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	15	0.71
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	17	0.71
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	20	0.71
(1,443)	1:799:A:LYS:HA	1:805:A:VAL:HG11	9	0.71
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	13	0.71
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	3	0.71
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	7	0.7
(1,1919)	1:748:A:GLN:HE21	1:746:A:LYS:HG2	2	0.7
(1,1615)	1:720:A:LYS:H	1:719:A:VAL:HG21	20	0.7
(1,1582)	1:765:A:ARG:H	1:765:A:ARG:HB2	12	0.7
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	4	0.7
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	6	0.7
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	10	0.7
(1,960)	1:720:A:LYS:HG3	1:719:A:VAL:HG21	19	0.7
(1,938)	1:733:A:LEU:HB2	1:733:A:LEU:HD21	12	0.7
(1,716)	1:750:A:PRO:HB3	1:750:A:PRO:HD3	4	0.7
(1,558)	1:736:A:GLY:HA2	1:735:A:LEU:HD21	10	0.7
(1,425)	1:727:A:LEU:HA	1:742:A:PRO:HD3	20	0.7
(1,341)	1:725:A:LEU:HA	1:743:A:VAL:HG21	16	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:743:A:VAL:HA	1:743:A:VAL:HG21	14	0.7
(1,172)	1:758:A:ILE:HA	1:765:A:ARG:HG2	11	0.7
(1,172)	1:758:A:ILE:HA	1:765:A:ARG:HG2	16	0.7
(1,152)	1:758:A:ILE:HA	1:759:A:GLU:HG3	6	0.7
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	16	0.7
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	3	0.69
(1,2246)	1:727:A:LEU:HB2	1:727:A:LEU:HD21	8	0.69
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	2	0.69
(1,2144)	1:742:A:PRO:HD3	1:727:A:LEU:HD21	2	0.69
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	7	0.69
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	8	0.69
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	8	0.69
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	2	0.69
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	14	0.69
(1,1415)	1:752:A:THR:H	1:799:A:LYS:HB2	10	0.69
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	19	0.69
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	10	0.69
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	18	0.69
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	2	0.69
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	20	0.69
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	1	0.69
(1,883)	1:815:A:ILE:HG12	1:731:A:LEU:HB2	5	0.69
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	3	0.69
(1,716)	1:750:A:PRO:HB3	1:750:A:PRO:HD3	6	0.69
(1,716)	1:750:A:PRO:HB3	1:750:A:PRO:HD3	11	0.69
(1,625)	1:737:A:ASP:HB3	1:733:A:LEU:HD21	4	0.69
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	15	0.69
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	2	0.69
(1,564)	1:736:A:GLY:HA3	1:735:A:LEU:HD21	6	0.69
(1,558)	1:736:A:GLY:HA2	1:735:A:LEU:HD21	6	0.69
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	16	0.69
(1,374)	1:746:A:LYS:HA	1:746:A:LYS:HE2	17	0.69
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	6	0.69
(1,268)	1:724:A:SER:HA	1:725:A:LEU:HD21	20	0.69
(1,25)	1:797:A:SER:HB2	1:805:A:VAL:HG11	18	0.69
(1,2315)	1:719:A:VAL:H	1:718:A:ARG:HB3	3	0.68
(1,2168)	1:735:A:LEU:HB3	1:819:A:ARG:HB3	13	0.68
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	14	0.68
(1,2053)	1:803:A:GLY:H	1:799:A:LYS:HE3	20	0.68
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	9	0.68
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	19	0.68
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1184)	1:753:A:LEU:HD21	1:755:A:TYR:HE2	3	0.68
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	16	0.68
(1,1154)	1:742:A:PRO:HD2	1:741:A:VAL:HB	19	0.68
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	14	0.68
(1,1038)	1:784:A:VAL:HG21	1:736:A:GLY:HA3	7	0.68
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	6	0.68
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	10	0.68
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	9	0.68
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	16	0.68
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	19	0.68
(1,716)	1:750:A:PRO:HB3	1:750:A:PRO:HD3	1	0.68
(1,716)	1:750:A:PRO:HB3	1:750:A:PRO:HD3	5	0.68
(1,716)	1:750:A:PRO:HB3	1:750:A:PRO:HD3	14	0.68
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	7	0.68
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	17	0.68
(1,344)	1:726:A:LYS:HA	1:726:A:LYS:HG3	7	0.68
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	9	0.68
(1,172)	1:758:A:ILE:HA	1:765:A:ARG:HG2	10	0.68
(1,152)	1:758:A:ILE:HA	1:759:A:GLU:HG3	19	0.68
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	17	0.67
(1,2246)	1:727:A:LEU:HB3	1:727:A:LEU:HD21	11	0.67
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	13	0.67
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	17	0.67
(1,2156)	1:765:A:ARG:HD3	1:765:A:ARG:HB3	2	0.67
(1,2156)	1:765:A:ARG:HD3	1:765:A:ARG:HB3	7	0.67
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	1	0.67
(1,2053)	1:803:A:GLY:H	1:799:A:LYS:HE3	16	0.67
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	6	0.67
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	6	0.67
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	5	0.67
(1,1378)	1:817:A:VAL:H	1:817:A:VAL:HG21	14	0.67
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	3	0.67
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	16	0.67
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	5	0.67
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	14	0.67
(1,982)	1:733:A:LEU:HD11	1:732:A:LYS:HA	10	0.67
(1,982)	1:733:A:LEU:HD11	1:732:A:LYS:HA	12	0.67
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	5	0.67
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	19	0.67
(1,938)	1:733:A:LEU:HB2	1:733:A:LEU:HD21	11	0.67
(1,938)	1:733:A:LEU:HB2	1:733:A:LEU:HD21	17	0.67
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	6	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,716)	1:750:A:PRO:HB3	1:750:A:PRO:HD3	7	0.67
(1,716)	1:750:A:PRO:HB3	1:750:A:PRO:HD3	9	0.67
(1,716)	1:750:A:PRO:HB3	1:750:A:PRO:HD3	16	0.67
(1,716)	1:750:A:PRO:HB3	1:750:A:PRO:HD3	19	0.67
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	12	0.67
(1,568)	1:756:A:ASP:HB2	1:796:A:VAL:HG21	10	0.67
(1,398)	1:731:A:LEU:HA	1:731:A:LEU:HD21	19	0.67
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	11	0.67
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	14	0.67
(1,160)	1:757:A:ILE:HA	1:758:A:ILE:HG12	10	0.67
(1,25)	1:797:A:SER:HB2	1:805:A:VAL:HG11	19	0.67
(1,2315)	1:719:A:VAL:H	1:718:A:ARG:HB2	4	0.66
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	9	0.66
(1,2272)	1:770:A:ILE:H	1:769:A:GLU:HB3	20	0.66
(1,2110)	1:735:A:LEU:HA	1:817:A:VAL:HG11	19	0.66
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	2	0.66
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	3	0.66
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	14	0.66
(1,1829)	1:785:A:PHE:H	1:784:A:VAL:HG21	9	0.66
(1,1582)	1:765:A:ARG:H	1:765:A:ARG:HB2	4	0.66
(1,1582)	1:765:A:ARG:H	1:765:A:ARG:HB2	16	0.66
(1,1516)	1:789:A:GLY:H	1:816:A:GLN:HE22	15	0.66
(1,1415)	1:752:A:THR:H	1:799:A:LYS:HB2	13	0.66
(1,1394)	1:734:A:CYS:H	1:733:A:LEU:HD11	4	0.66
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	3	0.66
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	3	0.66
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD3	20	0.66
(1,967)	1:731:A:LEU:HB2	1:731:A:LEU:HD11	10	0.66
(1,938)	1:733:A:LEU:HB2	1:733:A:LEU:HD21	20	0.66
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	17	0.66
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	13	0.66
(1,572)	1:756:A:ASP:HB3	1:765:A:ARG:HD3	17	0.66
(1,360)	1:766:A:LYS:HA	1:766:A:LYS:HG3	20	0.66
(1,290)	1:819:A:ARG:HA	1:735:A:LEU:HB3	5	0.66
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	3	0.66
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	14	0.66
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	16	0.66
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	6	0.66
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	20	0.66
(1,48)	1:722:A:SER:HB3	1:746:A:LYS:HB2	9	0.66
(1,26)	1:739:A:SER:HB2	1:733:A:LEU:HD21	11	0.66
(1,25)	1:797:A:SER:HB2	1:805:A:VAL:HG11	2	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2342)	1:751:A:PHE:H	1:774:A:LYS:HE3	20	0.65
(1,2315)	1:719:A:VAL:H	1:718:A:ARG:HB3	2	0.65
(1,2304)	1:765:A:ARG:H	1:765:A:ARG:HG2	7	0.65
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	6	0.65
(1,2166)	1:766:A:LYS:HE2	1:766:A:LYS:HG2	1	0.65
(1,2132)	1:781:A:LYS:HA	1:781:A:LYS:HD2	4	0.65
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	17	0.65
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	18	0.65
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	18	0.65
(1,1582)	1:765:A:ARG:H	1:765:A:ARG:HB2	10	0.65
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	8	0.65
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	9	0.65
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	15	0.65
(1,1038)	1:784:A:VAL:HG21	1:736:A:GLY:HA3	5	0.65
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD2	3	0.65
(1,967)	1:731:A:LEU:HB2	1:731:A:LEU:HD11	5	0.65
(1,938)	1:733:A:LEU:HB2	1:733:A:LEU:HD21	7	0.65
(1,938)	1:733:A:LEU:HB2	1:733:A:LEU:HD21	8	0.65
(1,938)	1:733:A:LEU:HB2	1:733:A:LEU:HD21	15	0.65
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	7	0.65
(1,811)	1:728:A:HIS:HB3	1:729:A:HIS:HD2	20	0.65
(1,789)	1:720:A:LYS:HB2	1:806:A:VAL:HG11	18	0.65
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	5	0.65
(1,716)	1:750:A:PRO:HB3	1:750:A:PRO:HD3	18	0.65
(1,568)	1:756:A:ASP:HB2	1:796:A:VAL:HG21	7	0.65
(1,564)	1:736:A:GLY:HA3	1:735:A:LEU:HD21	11	0.65
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	15	0.65
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	2	0.65
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	7	0.65
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	10	0.65
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	16	0.65
(1,374)	1:746:A:LYS:HA	1:746:A:LYS:HE2	14	0.65
(1,268)	1:724:A:SER:HA	1:725:A:LEU:HD21	19	0.65
(1,185)	1:743:A:VAL:HA	1:743:A:VAL:HG21	11	0.65
(1,172)	1:758:A:ILE:HA	1:765:A:ARG:HG2	2	0.65
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	15	0.65
(1,152)	1:758:A:ILE:HA	1:759:A:GLU:HG3	20	0.65
(1,111)	1:787:A:THR:HA	1:735:A:LEU:HD21	15	0.65
(1,72)	1:721:A:PRO:HA	1:719:A:VAL:HG11	1	0.65
(1,48)	1:722:A:SER:HB3	1:746:A:LYS:HB2	15	0.65
(1,2342)	1:751:A:PHE:H	1:774:A:LYS:HE3	17	0.64
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	20	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2156)	1:765:A:ARG:HD3	1:765:A:ARG:HB3	10	0.64
(1,2058)	1:816:A:GLN:HE21	1:732:A:LYS:HE3	7	0.64
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	9	0.64
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	5	0.64
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	7	0.64
(1,1829)	1:785:A:PHE:H	1:784:A:VAL:HG21	5	0.64
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	13	0.64
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	19	0.64
(1,1582)	1:765:A:ARG:H	1:765:A:ARG:HB2	2	0.64
(1,1415)	1:752:A:THR:H	1:799:A:LYS:HB2	20	0.64
(1,1179)	1:773:A:ILE:HG12	1:751:A:PHE:HD1	8	0.64
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	12	0.64
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	2	0.64
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	6	0.64
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	7	0.64
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	15	0.64
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	16	0.64
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	18	0.64
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	19	0.64
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	20	0.64
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	6	0.64
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	18	0.64
(1,962)	1:733:A:LEU:HD11	1:731:A:LEU:HA	2	0.64
(1,962)	1:733:A:LEU:HD11	1:731:A:LEU:HA	10	0.64
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	10	0.64
(1,938)	1:733:A:LEU:HB2	1:733:A:LEU:HD21	19	0.64
(1,883)	1:815:A:ILE:HG12	1:731:A:LEU:HB2	9	0.64
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	4	0.64
(1,811)	1:728:A:HIS:HB3	1:729:A:HIS:HD2	6	0.64
(1,620)	1:733:A:LEU:HB2	1:737:A:ASP:HB2	8	0.64
(1,590)	1:751:A:PHE:HB3	1:773:A:ILE:HB	2	0.64
(1,443)	1:799:A:LYS:HA	1:805:A:VAL:HG11	13	0.64
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	1	0.64
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	3	0.64
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	4	0.64
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	5	0.64
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	6	0.64
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	8	0.64
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	9	0.64
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	11	0.64
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	12	0.64
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	13	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	14	0.64
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	15	0.64
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	17	0.64
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	18	0.64
(1,402)	1:720:A:LYS:HA	1:720:A:LYS:HB2	20	0.64
(1,2246)	1:727:A:LEU:HB2	1:727:A:LEU:HD21	3	0.63
(1,2246)	1:727:A:LEU:HB2	1:727:A:LEU:HD21	20	0.63
(1,2214)	1:746:A:LYS:HD2	1:746:A:LYS:HA	6	0.63
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	11	0.63
(1,2166)	1:766:A:LYS:HE2	1:766:A:LYS:HG2	8	0.63
(1,2156)	1:765:A:ARG:HD3	1:765:A:ARG:HB3	4	0.63
(1,2156)	1:765:A:ARG:HD3	1:765:A:ARG:HB3	9	0.63
(1,2132)	1:781:A:LYS:HA	1:781:A:LYS:HD2	16	0.63
(1,2002)	1:752:A:THR:H	1:799:A:LYS:HD3	20	0.63
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	13	0.63
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	15	0.63
(1,1829)	1:785:A:PHE:H	1:784:A:VAL:HG21	16	0.63
(1,1829)	1:785:A:PHE:H	1:784:A:VAL:HG21	19	0.63
(1,1582)	1:765:A:ARG:H	1:765:A:ARG:HB2	3	0.63
(1,1582)	1:765:A:ARG:H	1:765:A:ARG:HB2	9	0.63
(1,1516)	1:789:A:GLY:H	1:816:A:GLN:HE22	2	0.63
(1,1242)	1:725:A:LEU:H	1:725:A:LEU:HD21	3	0.63
(1,1242)	1:725:A:LEU:H	1:725:A:LEU:HD21	13	0.63
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	18	0.63
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	3	0.63
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	4	0.63
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	10	0.63
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	12	0.63
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	13	0.63
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	14	0.63
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	17	0.63
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	13	0.63
(1,938)	1:733:A:LEU:HB2	1:733:A:LEU:HD21	10	0.63
(1,811)	1:728:A:HIS:HB3	1:729:A:HIS:HD2	15	0.63
(1,716)	1:750:A:PRO:HB3	1:750:A:PRO:HD3	12	0.63
(1,620)	1:733:A:LEU:HB2	1:737:A:ASP:HB2	14	0.63
(1,558)	1:736:A:GLY:HA2	1:735:A:LEU:HD21	11	0.63
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	12	0.63
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	9	0.63
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	16	0.63
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	9	0.63
(1,204)	1:770:A:ILE:HA	1:769:A:GLU:HG3	20	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,152)	1:758:A:ILE:HA	1:759:A:GLU:HG3	1	0.63
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	11	0.63
(1,2338)	1:727:A:LEU:H	1:727:A:LEU:HD11	3	0.62
(1,2304)	1:765:A:ARG:H	1:765:A:ARG:HG2	3	0.62
(1,2304)	1:765:A:ARG:H	1:765:A:ARG:HG2	13	0.62
(1,2214)	1:746:A:LYS:HD2	1:746:A:LYS:HA	4	0.62
(1,2214)	1:746:A:LYS:HD2	1:746:A:LYS:HA	7	0.62
(1,2214)	1:746:A:LYS:HD2	1:746:A:LYS:HA	10	0.62
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	18	0.62
(1,2168)	1:735:A:LEU:HB3	1:819:A:ARG:HB3	8	0.62
(1,2156)	1:765:A:ARG:HD3	1:765:A:ARG:HB3	3	0.62
(1,2156)	1:765:A:ARG:HD3	1:765:A:ARG:HB3	11	0.62
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	1	0.62
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	8	0.62
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	9	0.62
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	20	0.62
(1,1471)	1:731:A:LEU:H	1:730:A:ASP:HB2	8	0.62
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	6	0.62
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	20	0.62
(1,1169)	1:776:A:ASN:HB2	1:744:A:ALA:HB1	11	0.62
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	5	0.62
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	11	0.62
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	1	0.62
(1,1053)	1:754:A:THR:HG23	1:771:A:LYS:HE3	3	0.62
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD3	6	0.62
(1,967)	1:731:A:LEU:HB2	1:731:A:LEU:HD11	16	0.62
(1,962)	1:733:A:LEU:HD11	1:731:A:LEU:HA	17	0.62
(1,883)	1:815:A:ILE:HG12	1:731:A:LEU:HB2	16	0.62
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	2	0.62
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	11	0.62
(1,811)	1:728:A:HIS:HB3	1:729:A:HIS:HD2	1	0.62
(1,711)	1:777:A:GLU:HG2	1:744:A:ALA:HA	14	0.62
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	14	0.62
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	8	0.62
(1,398)	1:731:A:LEU:HA	1:731:A:LEU:HD21	3	0.62
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	10	0.62
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	3	0.62
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	3	0.62
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	9	0.62
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	18	0.62
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	19	0.62
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	11	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,152)	1:758:A:ILE:HA	1:759:A:GLU:HG3	11	0.62
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	20	0.62
(1,48)	1:722:A:SER:HB3	1:746:A:LYS:HB2	10	0.62
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	2	0.61
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	9	0.61
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	16	0.61
(1,2304)	1:765:A:ARG:H	1:765:A:ARG:HG2	16	0.61
(1,2246)	1:727:A:LEU:HB3	1:727:A:LEU:HD21	15	0.61
(1,2214)	1:746:A:LYS:HD2	1:746:A:LYS:HA	18	0.61
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	18	0.61
(1,1976)	1:748:A:GLN:HE22	1:746:A:LYS:HG2	14	0.61
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	10	0.61
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	15	0.61
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	1	0.61
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	15	0.61
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	7	0.61
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	2	0.61
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	13	0.61
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	17	0.61
(1,723)	1:750:A:PRO:HB2	1:772:A:GLU:HA	4	0.61
(1,398)	1:731:A:LEU:HA	1:731:A:LEU:HD21	15	0.61
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	7	0.61
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	3	0.61
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	17	0.61
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	6	0.61
(1,185)	1:743:A:VAL:HA	1:743:A:VAL:HG21	1	0.61
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	6	0.61
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	5	0.6
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	17	0.6
(1,2304)	1:765:A:ARG:H	1:765:A:ARG:HG2	15	0.6
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	8	0.6
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	5	0.6
(1,2246)	1:727:A:LEU:HB2	1:727:A:LEU:HD21	13	0.6
(1,2214)	1:746:A:LYS:HD2	1:746:A:LYS:HA	2	0.6
(1,2214)	1:746:A:LYS:HD2	1:746:A:LYS:HA	8	0.6
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	5	0.6
(1,2169)	1:799:A:LYS:HE3	1:799:A:LYS:HD2	11	0.6
(1,2169)	1:726:A:LYS:HE2	1:726:A:LYS:HD3	13	0.6
(1,2169)	1:799:A:LYS:HE3	1:799:A:LYS:HD2	17	0.6
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	19	0.6
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	4	0.6
(1,1829)	1:785:A:PHE:H	1:784:A:VAL:HG21	3	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1829)	1:785:A:PHE:H	1:784:A:VAL:HG21	11	0.6
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	14	0.6
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	20	0.6
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	3	0.6
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	11	0.6
(1,1641)	1:805:A:VAL:H	1:805:A:VAL:HG21	5	0.6
(1,1641)	1:805:A:VAL:H	1:805:A:VAL:HG21	12	0.6
(1,1582)	1:765:A:ARG:H	1:765:A:ARG:HB2	7	0.6
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	20	0.6
(1,1348)	1:743:A:VAL:H	1:779:A:VAL:HG11	14	0.6
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	3	0.6
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	11	0.6
(1,1277)	1:741:A:VAL:H	1:779:A:VAL:HG21	5	0.6
(1,1242)	1:725:A:LEU:H	1:725:A:LEU:HD21	15	0.6
(1,1131)	1:773:A:ILE:HA	1:772:A:GLU:HB3	19	0.6
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	1	0.6
(1,883)	1:815:A:ILE:HG12	1:731:A:LEU:HB2	7	0.6
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	6	0.6
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	15	0.6
(1,811)	1:728:A:HIS:HB3	1:729:A:HIS:HD2	2	0.6
(1,811)	1:728:A:HIS:HB3	1:729:A:HIS:HD2	8	0.6
(1,811)	1:728:A:HIS:HB3	1:729:A:HIS:HD2	12	0.6
(1,811)	1:728:A:HIS:HB3	1:729:A:HIS:HD2	14	0.6
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	19	0.6
(1,681)	1:757:A:ILE:HB	1:766:A:LYS:HB2	20	0.6
(1,669)	1:730:A:ASP:HB2	1:815:A:ILE:HA	18	0.6
(1,659)	1:790:A:ASP:HB3	1:760:A:THR:HA	11	0.6
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	19	0.6
(1,425)	1:727:A:LEU:HA	1:742:A:PRO:HD3	19	0.6
(1,403)	1:720:A:LYS:HA	1:720:A:LYS:HG2	19	0.6
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	9	0.6
(1,200)	1:741:A:VAL:HA	1:731:A:LEU:HD11	5	0.6
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	5	0.6
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	17	0.6
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	20	0.6
(1,185)	1:743:A:VAL:HA	1:743:A:VAL:HG21	16	0.6
(1,132)	1:817:A:VAL:HA	1:733:A:LEU:HB3	7	0.6
(1,111)	1:787:A:THR:HA	1:735:A:LEU:HD21	11	0.6
(1,2338)	1:727:A:LEU:H	1:727:A:LEU:HD11	20	0.59
(1,2304)	1:765:A:ARG:H	1:765:A:ARG:HG2	4	0.59
(1,2304)	1:765:A:ARG:H	1:765:A:ARG:HG2	9	0.59
(1,2214)	1:746:A:LYS:HD2	1:746:A:LYS:HA	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	5	0.59
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	16	0.59
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	7	0.59
(1,2169)	1:799:A:LYS:HE3	1:799:A:LYS:HD2	2	0.59
(1,2169)	1:766:A:LYS:HE3	1:766:A:LYS:HD2	19	0.59
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	15	0.59
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	16	0.59
(1,1829)	1:785:A:PHE:H	1:784:A:VAL:HG21	7	0.59
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	12	0.59
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	13	0.59
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	4	0.59
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	10	0.59
(1,1641)	1:805:A:VAL:H	1:805:A:VAL:HG21	2	0.59
(1,1641)	1:805:A:VAL:H	1:805:A:VAL:HG21	19	0.59
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	1	0.59
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	11	0.59
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	7	0.59
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	16	0.59
(1,1277)	1:741:A:VAL:H	1:779:A:VAL:HG21	6	0.59
(1,1277)	1:741:A:VAL:H	1:779:A:VAL:HG21	17	0.59
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	5	0.59
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD2	16	0.59
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	3	0.59
(1,644)	1:795:A:LEU:HB3	1:795:A:LEU:HD21	7	0.59
(1,644)	1:795:A:LEU:HB3	1:795:A:LEU:HD21	8	0.59
(1,644)	1:795:A:LEU:HB3	1:795:A:LEU:HD21	10	0.59
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	10	0.59
(1,570)	1:793:A:LEU:HB3	1:793:A:LEU:HD11	16	0.59
(1,398)	1:731:A:LEU:HA	1:731:A:LEU:HD21	11	0.59
(1,297)	1:819:A:ARG:HA	1:735:A:LEU:HD11	20	0.59
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	15	0.59
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	7	0.59
(1,2315)	1:719:A:VAL:H	1:718:A:ARG:HB2	8	0.58
(1,2304)	1:765:A:ARG:H	1:765:A:ARG:HG2	1	0.58
(1,2304)	1:765:A:ARG:H	1:765:A:ARG:HG2	2	0.58
(1,2170)	1:726:A:LYS:HE3	1:726:A:LYS:HG2	20	0.58
(1,2169)	1:726:A:LYS:HE2	1:726:A:LYS:HD3	6	0.58
(1,2166)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	14	0.58
(1,2110)	1:735:A:LEU:HA	1:817:A:VAL:HG11	3	0.58
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	2	0.58
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	6	0.58
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	12	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1829)	1:785:A:PHE:H	1:784:A:VAL:HG21	13	0.58
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	4	0.58
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	5	0.58
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	7	0.58
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	13	0.58
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	16	0.58
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	17	0.58
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	18	0.58
(1,1749)	1:740:A:SER:H	1:733:A:LEU:HD21	17	0.58
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	8	0.58
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	14	0.58
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	5	0.58
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	8	0.58
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	14	0.58
(1,1641)	1:805:A:VAL:H	1:805:A:VAL:HG21	10	0.58
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	10	0.58
(1,1394)	1:734:A:CYS:H	1:733:A:LEU:HD11	8	0.58
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	7	0.58
(1,1242)	1:725:A:LEU:H	1:725:A:LEU:HD21	6	0.58
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	3	0.58
(1,1028)	1:733:A:LEU:HB3	1:817:A:VAL:HG21	13	0.58
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	2	0.58
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	15	0.58
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	18	0.58
(1,952)	1:733:A:LEU:HD21	1:739:A:SER:HA	20	0.58
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	20	0.58
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	6	0.58
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	13	0.58
(1,811)	1:728:A:HIS:HB3	1:729:A:HIS:HD2	11	0.58
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	17	0.58
(1,644)	1:795:A:LEU:HB3	1:795:A:LEU:HD21	17	0.58
(1,644)	1:795:A:LEU:HB3	1:795:A:LEU:HD21	18	0.58
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	7	0.58
(1,620)	1:733:A:LEU:HB2	1:737:A:ASP:HB2	7	0.58
(1,619)	1:818:A:ARG:HD3	1:818:A:ARG:HB2	7	0.58
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	9	0.58
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	10	0.58
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	1	0.58
(1,425)	1:727:A:LEU:HA	1:742:A:PRO:HD3	10	0.58
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	6	0.58
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	7	0.58
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	10	0.58
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	11	0.58
(1,48)	1:722:A:SER:HB3	1:746:A:LYS:HB2	8	0.58
(1,2342)	1:751:A:PHE:H	1:774:A:LYS:HE3	8	0.57
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	7	0.57
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	5	0.57
(1,2229)	1:770:A:ILE:HG12	1:755:A:TYR:HE1	19	0.57
(1,2214)	1:746:A:LYS:HD2	1:746:A:LYS:HA	12	0.57
(1,2169)	1:766:A:LYS:HE3	1:766:A:LYS:HD2	10	0.57
(1,2169)	1:766:A:LYS:HE3	1:766:A:LYS:HD2	18	0.57
(1,2132)	1:781:A:LYS:HA	1:781:A:LYS:HD2	19	0.57
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	6	0.57
(1,1894)	1:777:A:GLU:H	1:777:A:GLU:HG2	14	0.57
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	17	0.57
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	18	0.57
(1,1829)	1:785:A:PHE:H	1:784:A:VAL:HG21	2	0.57
(1,1829)	1:785:A:PHE:H	1:784:A:VAL:HG21	14	0.57
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	2	0.57
(1,1784)	1:764:A:LYS:H	1:764:A:LYS:HB3	9	0.57
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	2	0.57
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	3	0.57
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	7	0.57
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	19	0.57
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	7	0.57
(1,1641)	1:805:A:VAL:H	1:805:A:VAL:HG21	1	0.57
(1,1641)	1:805:A:VAL:H	1:805:A:VAL:HG21	14	0.57
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	4	0.57
(1,1415)	1:752:A:THR:H	1:799:A:LYS:HB2	6	0.57
(1,1415)	1:752:A:THR:H	1:799:A:LYS:HB2	19	0.57
(1,1394)	1:734:A:CYS:H	1:733:A:LEU:HD11	12	0.57
(1,1277)	1:741:A:VAL:H	1:779:A:VAL:HG21	10	0.57
(1,1242)	1:725:A:LEU:H	1:725:A:LEU:HD21	20	0.57
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	17	0.57
(1,1038)	1:784:A:VAL:HG21	1:736:A:GLY:HA3	19	0.57
(1,1035)	1:817:A:VAL:HG11	1:733:A:LEU:HB3	11	0.57
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD2	17	0.57
(1,957)	1:745:A:LEU:HD22	1:753:A:LEU:HD23	5	0.57
(1,934)	1:753:A:LEU:HD21	1:753:A:LEU:HB3	12	0.57
(1,909)	1:721:A:PRO:HG2	1:806:A:VAL:HG13	3	0.57
(1,883)	1:815:A:ILE:HG12	1:731:A:LEU:HB2	11	0.57
(1,883)	1:815:A:ILE:HG12	1:731:A:LEU:HB2	14	0.57
(1,883)	1:815:A:ILE:HG12	1:731:A:LEU:HB2	15	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	4	0.57
(1,838)	1:757:A:ILE:HG12	1:793:A:LEU:HG	8	0.57
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	4	0.57
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	7	0.57
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	11	0.57
(1,723)	1:750:A:PRO:HB2	1:772:A:GLU:HA	16	0.57
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	13	0.57
(1,620)	1:733:A:LEU:HB2	1:737:A:ASP:HB2	16	0.57
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	2	0.57
(1,374)	1:746:A:LYS:HA	1:746:A:LYS:HE2	9	0.57
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	11	0.57
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	2	0.57
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	1	0.57
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	2	0.57
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	8	0.57
(1,132)	1:817:A:VAL:HA	1:733:A:LEU:HB3	4	0.57
(1,111)	1:787:A:THR:HA	1:735:A:LEU:HD21	20	0.57
(1,28)	1:794:A:SER:HB2	1:796:A:VAL:HG21	16	0.57
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	19	0.56
(1,2315)	1:719:A:VAL:H	1:718:A:ARG:HB3	11	0.56
(1,2315)	1:719:A:VAL:H	1:718:A:ARG:HB2	13	0.56
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	8	0.56
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	11	0.56
(1,2304)	1:765:A:ARG:H	1:765:A:ARG:HG2	10	0.56
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	4	0.56
(1,2169)	1:799:A:LYS:HE3	1:799:A:LYS:HD2	7	0.56
(1,2169)	1:726:A:LYS:HE2	1:726:A:LYS:HD3	12	0.56
(1,2169)	1:799:A:LYS:HE3	1:799:A:LYS:HD2	20	0.56
(1,2018)	1:809:A:SER:H	1:808:A:LEU:HD21	6	0.56
(1,1990)	1:755:A:TYR:H	1:769:A:GLU:HB3	13	0.56
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	1	0.56
(1,1641)	1:805:A:VAL:H	1:805:A:VAL:HG21	9	0.56
(1,1641)	1:805:A:VAL:H	1:805:A:VAL:HG21	13	0.56
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	15	0.56
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	5	0.56
(1,1471)	1:731:A:LEU:H	1:730:A:ASP:HB2	20	0.56
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	15	0.56
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	20	0.56
(1,1184)	1:753:A:LEU:HD21	1:755:A:TYR:HE2	11	0.56
(1,1044)	1:805:A:VAL:HB	1:805:A:VAL:HG11	10	0.56
(1,1044)	1:805:A:VAL:HB	1:805:A:VAL:HG11	18	0.56
(1,1044)	1:805:A:VAL:HB	1:805:A:VAL:HG11	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1044)	1:805:A:VAL:HB	1:805:A:VAL:HG11	20	0.56
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD3	18	0.56
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	1	0.56
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	9	0.56
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	15	0.56
(1,789)	1:720:A:LYS:HB2	1:806:A:VAL:HG11	2	0.56
(1,681)	1:757:A:ILE:HB	1:766:A:LYS:HB2	13	0.56
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	11	0.56
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	16	0.56
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	4	0.56
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	12	0.56
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	3	0.56
(1,568)	1:756:A:ASP:HB2	1:796:A:VAL:HG21	15	0.56
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	1	0.56
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	14	0.56
(1,443)	1:799:A:LYS:HA	1:805:A:VAL:HG11	1	0.56
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	8	0.56
(1,241)	1:774:A:LYS:HA	1:750:A:PRO:HD2	18	0.56
(1,170)	1:758:A:ILE:HA	1:765:A:ARG:HB3	17	0.56
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	2	0.56
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	6	0.56
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	9	0.56
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	11	0.56
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	14	0.56
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	15	0.56
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	18	0.56
(1,28)	1:794:A:SER:HB2	1:796:A:VAL:HG21	6	0.56
(1,2342)	1:751:A:PHE:H	1:774:A:LYS:HE3	15	0.55
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	10	0.55
(1,2315)	1:719:A:VAL:H	1:718:A:ARG:HB3	20	0.55
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	18	0.55
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	20	0.55
(1,2304)	1:765:A:ARG:H	1:765:A:ARG:HG2	11	0.55
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	3	0.55
(1,2180)	1:785:A:PHE:HB3	1:817:A:VAL:HG21	2	0.55
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	14	0.55
(1,2156)	1:765:A:ARG:HD3	1:765:A:ARG:HB3	17	0.55
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	5	0.55
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	16	0.55
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	17	0.55
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	20	0.55
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1641)	1:805:A:VAL:H	1:805:A:VAL:HG21	18	0.55
(1,1641)	1:805:A:VAL:H	1:805:A:VAL:HG21	20	0.55
(1,1581)	1:765:A:ARG:H	1:759:A:GLU:HG2	9	0.55
(1,1581)	1:765:A:ARG:H	1:759:A:GLU:HG2	16	0.55
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	1	0.55
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	3	0.55
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	9	0.55
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	12	0.55
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	9	0.55
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	10	0.55
(1,1277)	1:741:A:VAL:H	1:779:A:VAL:HG21	7	0.55
(1,1242)	1:725:A:LEU:H	1:725:A:LEU:HD21	19	0.55
(1,1195)	1:759:A:GLU:HB2	1:791:A:TYR:HE2	12	0.55
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	5	0.55
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	8	0.55
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	5	0.55
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	6	0.55
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	8	0.55
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	10	0.55
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	16	0.55
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	17	0.55
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	18	0.55
(1,1031)	1:805:A:VAL:HG11	1:805:A:VAL:HA	9	0.55
(1,1031)	1:805:A:VAL:HG11	1:805:A:VAL:HA	19	0.55
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	2	0.55
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	6	0.55
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	14	0.55
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	19	0.55
(1,789)	1:720:A:LYS:HB2	1:806:A:VAL:HG11	1	0.55
(1,723)	1:750:A:PRO:HB2	1:772:A:GLU:HA	7	0.55
(1,664)	1:752:A:THR:HB	1:799:A:LYS:HE3	18	0.55
(1,644)	1:795:A:LEU:HB3	1:795:A:LEU:HD21	11	0.55
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	3	0.55
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	5	0.55
(1,619)	1:818:A:ARG:HD3	1:818:A:ARG:HB2	3	0.55
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	6	0.55
(1,398)	1:731:A:LEU:HA	1:731:A:LEU:HD21	7	0.55
(1,394)	1:730:A:ASP:HA	1:730:A:ASP:HB2	3	0.55
(1,394)	1:730:A:ASP:HA	1:730:A:ASP:HB2	8	0.55
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	12	0.55
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	4	0.55
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	7	0.55
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	10	0.55
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	12	0.55
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	17	0.55
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	19	0.55
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	2	0.55
(1,2342)	1:751:A:PHE:H	1:774:A:LYS:HE3	3	0.54
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HB3	17	0.54
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HB3	20	0.54
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	4	0.54
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	3	0.54
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	6	0.54
(1,2304)	1:765:A:ARG:H	1:765:A:ARG:HG2	12	0.54
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	7	0.54
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	18	0.54
(1,2271)	1:795:A:LEU:H	1:795:A:LEU:HD21	13	0.54
(1,2231)	1:793:A:LEU:HB3	1:793:A:LEU:HD11	13	0.54
(1,2169)	1:766:A:LYS:HE3	1:766:A:LYS:HD2	1	0.54
(1,2169)	1:766:A:LYS:HE3	1:766:A:LYS:HD2	8	0.54
(1,2169)	1:766:A:LYS:HE3	1:766:A:LYS:HD2	9	0.54
(1,2169)	1:766:A:LYS:HE3	1:766:A:LYS:HD2	14	0.54
(1,2169)	1:766:A:LYS:HE3	1:766:A:LYS:HD2	15	0.54
(1,2156)	1:765:A:ARG:HD3	1:765:A:ARG:HB3	14	0.54
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	4	0.54
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	10	0.54
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	15	0.54
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	18	0.54
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	18	0.54
(1,1471)	1:731:A:LEU:H	1:730:A:ASP:HB2	16	0.54
(1,1415)	1:752:A:THR:H	1:799:A:LYS:HB2	17	0.54
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	9	0.54
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	12	0.54
(1,1184)	1:753:A:LEU:HD21	1:755:A:TYR:HE2	8	0.54
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	1	0.54
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	2	0.54
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	3	0.54
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	4	0.54
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	7	0.54
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	9	0.54
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	11	0.54
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	12	0.54
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	13	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	14	0.54
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	15	0.54
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	19	0.54
(1,1139)	1:726:A:LYS:HA	1:726:A:LYS:HB2	20	0.54
(1,1138)	1:718:A:ARG:HA	1:719:A:VAL:HG11	10	0.54
(1,1031)	1:805:A:VAL:HG11	1:805:A:VAL:HA	1	0.54
(1,1031)	1:805:A:VAL:HG11	1:805:A:VAL:HA	10	0.54
(1,1031)	1:805:A:VAL:HG11	1:805:A:VAL:HA	13	0.54
(1,1031)	1:805:A:VAL:HG11	1:805:A:VAL:HA	20	0.54
(1,990)	1:723:A:ALA:HB1	1:746:A:LYS:HB3	9	0.54
(1,936)	1:753:A:LEU:HD23	1:780:A:ILE:HD12	18	0.54
(1,912)	1:718:A:ARG:HG3	1:718:A:ARG:HA	17	0.54
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	9	0.54
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	13	0.54
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	10	0.54
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	1	0.54
(1,704)	1:799:A:LYS:HB2	1:805:A:VAL:HG11	18	0.54
(1,664)	1:752:A:THR:HB	1:799:A:LYS:HE3	3	0.54
(1,620)	1:733:A:LEU:HB2	1:737:A:ASP:HB2	19	0.54
(1,619)	1:818:A:ARG:HD3	1:818:A:ARG:HB2	1	0.54
(1,619)	1:818:A:ARG:HD3	1:818:A:ARG:HB2	4	0.54
(1,619)	1:818:A:ARG:HD3	1:818:A:ARG:HB2	16	0.54
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	19	0.54
(1,606)	1:765:A:ARG:HD2	1:758:A:ILE:HD11	19	0.54
(1,604)	1:819:A:ARG:HD3	1:735:A:LEU:HD11	14	0.54
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	8	0.54
(1,489)	1:723:A:ALA:HA	1:753:A:LEU:HD21	14	0.54
(1,425)	1:727:A:LEU:HA	1:742:A:PRO:HD3	15	0.54
(1,394)	1:730:A:ASP:HA	1:730:A:ASP:HB2	17	0.54
(1,394)	1:730:A:ASP:HA	1:730:A:ASP:HB2	20	0.54
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	1	0.54
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	19	0.54
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	3	0.54
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	16	0.54
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	20	0.54
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HB3	11	0.53
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	1	0.53
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	14	0.53
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	15	0.53
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	4	0.53
(1,2255)	1:770:A:ILE:HG21	1:771:A:LYS:HG3	13	0.53
(1,2165)	1:732:A:LYS:HA	1:732:A:LYS:HE2	2	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2053)	1:803:A:GLY:H	1:799:A:LYS:HE3	5	0.53
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	13	0.53
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	6	0.53
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	11	0.53
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	10	0.53
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	11	0.53
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	17	0.53
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	1	0.53
(1,1070)	1:731:A:LEU:HB2	1:815:A:ILE:HG21	13	0.53
(1,1031)	1:805:A:VAL:HG11	1:805:A:VAL:HA	18	0.53
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	16	0.53
(1,990)	1:723:A:ALA:HB1	1:746:A:LYS:HB3	18	0.53
(1,982)	1:733:A:LEU:HD11	1:732:A:LYS:HA	8	0.53
(1,912)	1:718:A:ARG:HG3	1:718:A:ARG:HA	6	0.53
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	11	0.53
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	16	0.53
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	3	0.53
(1,786)	1:720:A:LYS:HB2	1:720:A:LYS:HE2	4	0.53
(1,664)	1:752:A:THR:HB	1:799:A:LYS:HE3	15	0.53
(1,659)	1:790:A:ASP:HB3	1:760:A:THR:HA	18	0.53
(1,620)	1:733:A:LEU:HB2	1:737:A:ASP:HB2	3	0.53
(1,620)	1:733:A:LEU:HB2	1:737:A:ASP:HB2	9	0.53
(1,619)	1:818:A:ARG:HD3	1:818:A:ARG:HB2	17	0.53
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	5	0.53
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	12	0.53
(1,568)	1:756:A:ASP:HB2	1:796:A:VAL:HG21	17	0.53
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	15	0.53
(1,394)	1:730:A:ASP:HA	1:730:A:ASP:HB2	15	0.53
(1,394)	1:730:A:ASP:HA	1:730:A:ASP:HB2	18	0.53
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	5	0.53
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	13	0.53
(1,241)	1:774:A:LYS:HA	1:750:A:PRO:HD2	12	0.53
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	1	0.53
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	1	0.53
(1,161)	1:757:A:ILE:HA	1:757:A:ILE:HG12	13	0.53
(1,132)	1:817:A:VAL:HA	1:733:A:LEU:HB3	10	0.53
(1,117)	1:719:A:VAL:HA	1:719:A:VAL:HG21	1	0.53
(1,2342)	1:751:A:PHE:H	1:774:A:LYS:HE3	10	0.52
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HB3	19	0.52
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	1	0.52
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	14	0.52
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	19	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	20	0.52
(1,2261)	1:795:A:LEU:HD13	1:724:A:SER:HA	9	0.52
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	12	0.52
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	6	0.52
(1,2169)	1:766:A:LYS:HE3	1:766:A:LYS:HD2	3	0.52
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	16	0.52
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	9	0.52
(1,1723)	1:776:A:ASN:H	1:776:A:ASN:HB3	12	0.52
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	16	0.52
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	16	0.52
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	2	0.52
(1,1393)	1:751:A:PHE:H	1:753:A:LEU:HB3	13	0.52
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	3	0.52
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	10	0.52
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	11	0.52
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	15	0.52
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	18	0.52
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	19	0.52
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	4	0.52
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	12	0.52
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	4	0.52
(1,1028)	1:733:A:LEU:HB3	1:817:A:VAL:HG21	12	0.52
(1,1028)	1:733:A:LEU:HB3	1:817:A:VAL:HG21	19	0.52
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	2	0.52
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	8	0.52
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	13	0.52
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	18	0.52
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	5	0.52
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	20	0.52
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	9	0.52
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	6	0.52
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	13	0.52
(1,723)	1:750:A:PRO:HB2	1:772:A:GLU:HA	5	0.52
(1,659)	1:790:A:ASP:HB3	1:760:A:THR:HA	14	0.52
(1,620)	1:733:A:LEU:HB2	1:737:A:ASP:HB2	1	0.52
(1,620)	1:733:A:LEU:HB2	1:737:A:ASP:HB2	2	0.52
(1,620)	1:733:A:LEU:HB2	1:737:A:ASP:HB2	5	0.52
(1,619)	1:818:A:ARG:HD3	1:818:A:ARG:HB2	19	0.52
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	5	0.52
(1,425)	1:727:A:LEU:HA	1:742:A:PRO:HD3	8	0.52
(1,381)	1:765:A:ARG:HA	1:765:A:ARG:HG2	12	0.52
(1,250)	1:722:A:SER:HA	1:753:A:LEU:HD11	9	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	13	0.52
(1,132)	1:817:A:VAL:HA	1:733:A:LEU:HB3	6	0.52
(1,117)	1:719:A:VAL:HA	1:719:A:VAL:HG21	8	0.52
(1,111)	1:787:A:THR:HA	1:735:A:LEU:HD21	3	0.52
(1,26)	1:739:A:SER:HB2	1:733:A:LEU:HD21	7	0.52
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	14	0.51
(1,2277)	1:793:A:LEU:H	1:793:A:LEU:HG	20	0.51
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	5	0.51
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	6	0.51
(1,2166)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	12	0.51
(1,2165)	1:732:A:LYS:HA	1:732:A:LYS:HE3	19	0.51
(1,2156)	1:765:A:ARG:HD3	1:765:A:ARG:HB3	15	0.51
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	13	0.51
(1,2058)	1:816:A:GLN:HE21	1:732:A:LYS:HE3	1	0.51
(1,1615)	1:720:A:LYS:H	1:719:A:VAL:HG21	11	0.51
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	8	0.51
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	8	0.51
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	14	0.51
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	17	0.51
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD3	11	0.51
(1,950)	1:814:A:LYS:HG2	1:814:A:LYS:HA	17	0.51
(1,934)	1:753:A:LEU:HD21	1:753:A:LEU:HB3	3	0.51
(1,934)	1:753:A:LEU:HD21	1:753:A:LEU:HB3	5	0.51
(1,934)	1:753:A:LEU:HD21	1:753:A:LEU:HB3	8	0.51
(1,912)	1:718:A:ARG:HG3	1:718:A:ARG:HA	7	0.51
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	15	0.51
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	15	0.51
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	14	0.51
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	8	0.51
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	18	0.51
(1,723)	1:750:A:PRO:HB2	1:772:A:GLU:HA	14	0.51
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	14	0.51
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	1	0.51
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	7	0.51
(1,394)	1:730:A:ASP:HA	1:730:A:ASP:HB2	16	0.51
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	19	0.51
(1,297)	1:819:A:ARG:HA	1:735:A:LEU:HD11	5	0.51
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	11	0.51
(1,189)	1:815:A:ILE:HA	1:815:A:ILE:HG12	4	0.51
(1,172)	1:758:A:ILE:HA	1:765:A:ARG:HG2	7	0.51
(1,132)	1:817:A:VAL:HA	1:733:A:LEU:HB3	8	0.51
(1,132)	1:817:A:VAL:HA	1:733:A:LEU:HB3	18	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:719:A:VAL:HA	1:719:A:VAL:HG21	4	0.51
(1,117)	1:719:A:VAL:HA	1:719:A:VAL:HG21	6	0.51
(1,117)	1:719:A:VAL:HA	1:719:A:VAL:HG21	7	0.51
(1,117)	1:719:A:VAL:HA	1:719:A:VAL:HG21	11	0.51
(1,117)	1:719:A:VAL:HA	1:719:A:VAL:HG21	13	0.51
(1,117)	1:719:A:VAL:HA	1:719:A:VAL:HG21	20	0.51
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	4	0.51
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	14	0.51
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	17	0.51
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HB3	9	0.5
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	3	0.5
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	6	0.5
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	1	0.5
(1,2166)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	9	0.5
(1,2165)	1:732:A:LYS:HA	1:732:A:LYS:HE3	13	0.5
(1,2119)	1:814:A:LYS:HA	1:814:A:LYS:HB2	13	0.5
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	9	0.5
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	4	0.5
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	5	0.5
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	6	0.5
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	1	0.5
(1,1195)	1:759:A:GLU:HB2	1:791:A:TYR:HE2	18	0.5
(1,1190)	1:741:A:VAL:HG21	1:740:A:SER:HA	13	0.5
(1,1188)	1:741:A:VAL:HG11	1:743:A:VAL:HB	20	0.5
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	6	0.5
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	9	0.5
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	12	0.5
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	15	0.5
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	20	0.5
(1,1028)	1:733:A:LEU:HB3	1:817:A:VAL:HG21	1	0.5
(1,934)	1:753:A:LEU:HD21	1:753:A:LEU:HB3	10	0.5
(1,934)	1:753:A:LEU:HD21	1:753:A:LEU:HB3	11	0.5
(1,934)	1:753:A:LEU:HD21	1:753:A:LEU:HB3	18	0.5
(1,932)	1:753:A:LEU:HB2	1:753:A:LEU:HD21	10	0.5
(1,912)	1:718:A:ARG:HG3	1:718:A:ARG:HA	15	0.5
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	20	0.5
(1,786)	1:720:A:LYS:HB2	1:720:A:LYS:HE2	1	0.5
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	6	0.5
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	9	0.5
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	12	0.5
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	15	0.5
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	20	0.5
(1,669)	1:730:A:ASP:HB2	1:815:A:ILE:HA	20	0.5
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	19	0.5
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	11	0.5
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	2	0.5
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	10	0.5
(1,425)	1:727:A:LEU:HA	1:742:A:PRO:HD3	1	0.5
(1,381)	1:765:A:ARG:HA	1:765:A:ARG:HG2	16	0.5
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	6	0.5
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	1	0.5
(1,265)	1:778:A:TYR:HA	1:779:A:VAL:HG11	16	0.5
(1,265)	1:778:A:TYR:HA	1:779:A:VAL:HG11	20	0.5
(1,172)	1:758:A:ILE:HA	1:765:A:ARG:HG2	15	0.5
(1,132)	1:817:A:VAL:HA	1:733:A:LEU:HB3	13	0.5
(1,132)	1:817:A:VAL:HA	1:733:A:LEU:HB3	17	0.5
(1,117)	1:719:A:VAL:HA	1:719:A:VAL:HG21	5	0.5
(1,117)	1:719:A:VAL:HA	1:719:A:VAL:HG21	12	0.5
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	8	0.49
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	3	0.49
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	9	0.49
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	18	0.49
(1,2119)	1:771:A:LYS:HA	1:771:A:LYS:HB2	8	0.49
(1,2119)	1:771:A:LYS:HA	1:771:A:LYS:HB2	9	0.49
(1,2119)	1:771:A:LYS:HA	1:771:A:LYS:HB2	11	0.49
(1,2119)	1:771:A:LYS:HA	1:771:A:LYS:HB2	17	0.49
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	12	0.49
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	11	0.49
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	18	0.49
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	2	0.49
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	4	0.49
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	6	0.49
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	10	0.49
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	12	0.49
(1,1599)	1:720:A:LYS:H	1:721:A:PRO:HD2	13	0.49
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	8	0.49
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	7	0.49
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	13	0.49
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	20	0.49
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	17	0.49
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	20	0.49
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	19	0.49
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	2	0.49
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	5	0.49
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	18	0.49
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	6	0.49
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	10	0.49
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	18	0.49
(1,971)	1:793:A:LEU:HB2	1:793:A:LEU:HD21	8	0.49
(1,960)	1:720:A:LYS:HG3	1:719:A:VAL:HG21	20	0.49
(1,883)	1:815:A:ILE:HG12	1:731:A:LEU:HB2	3	0.49
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	13	0.49
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	1	0.49
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	4	0.49
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	19	0.49
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	4	0.49
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	12	0.49
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	1	0.49
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	2	0.49
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	3	0.49
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	5	0.49
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	17	0.49
(1,619)	1:818:A:ARG:HD3	1:818:A:ARG:HB2	12	0.49
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	2	0.49
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	7	0.49
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	9	0.49
(1,425)	1:727:A:LEU:HA	1:742:A:PRO:HD3	12	0.49
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	17	0.49
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	6	0.49
(1,265)	1:778:A:TYR:HA	1:779:A:VAL:HG11	5	0.49
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	5	0.49
(1,28)	1:794:A:SER:HB2	1:796:A:VAL:HG21	5	0.49
(1,25)	1:797:A:SER:HB2	1:805:A:VAL:HG11	13	0.49
(1,2342)	1:751:A:PHE:H	1:774:A:LYS:HE3	13	0.48
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HB3	4	0.48
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	20	0.48
(1,2315)	1:719:A:VAL:H	1:718:A:ARG:HB3	19	0.48
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	4	0.48
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	17	0.48
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	6	0.48
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	11	0.48
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	11	0.48
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	10	0.48
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2166)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	13	0.48
(1,2166)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	19	0.48
(1,2119)	1:771:A:LYS:HA	1:771:A:LYS:HB2	5	0.48
(1,2119)	1:771:A:LYS:HA	1:771:A:LYS:HB2	20	0.48
(1,2018)	1:809:A:SER:H	1:808:A:LEU:HD21	4	0.48
(1,1874)	1:808:A:LEU:H	1:808:A:LEU:HG	6	0.48
(1,1716)	1:719:A:VAL:H	1:718:A:ARG:HG3	17	0.48
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	14	0.48
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	17	0.48
(1,1471)	1:731:A:LEU:H	1:730:A:ASP:HB2	15	0.48
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	3	0.48
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	6	0.48
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	9	0.48
(1,1329)	1:773:A:ILE:H	1:773:A:ILE:HG12	2	0.48
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	15	0.48
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	3	0.48
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	17	0.48
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	19	0.48
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	20	0.48
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD3	19	0.48
(1,971)	1:793:A:LEU:HB2	1:793:A:LEU:HD21	4	0.48
(1,971)	1:793:A:LEU:HB2	1:793:A:LEU:HD21	7	0.48
(1,971)	1:793:A:LEU:HB2	1:793:A:LEU:HD21	9	0.48
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	12	0.48
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	1	0.48
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	2	0.48
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	9	0.48
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	12	0.48
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	17	0.48
(1,827)	1:798:A:ILE:HG13	1:798:A:ILE:HG21	17	0.48
(1,786)	1:720:A:LYS:HB2	1:720:A:LYS:HE2	2	0.48
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	6	0.48
(1,619)	1:818:A:ARG:HD3	1:818:A:ARG:HB2	10	0.48
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	14	0.48
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	15	0.48
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	4	0.48
(1,381)	1:765:A:ARG:HA	1:765:A:ARG:HG2	1	0.48
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	3	0.48
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	11	0.48
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	18	0.48
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	7	0.48
(1,265)	1:778:A:TYR:HA	1:779:A:VAL:HG11	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,265)	1:778:A:TYR:HA	1:779:A:VAL:HG11	17	0.48
(1,72)	1:721:A:PRO:HA	1:719:A:VAL:HG11	7	0.48
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	7	0.47
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	8	0.47
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	14	0.47
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	18	0.47
(1,2315)	1:719:A:VAL:H	1:718:A:ARG:HB3	12	0.47
(1,2305)	1:820:A:ASP:H	1:819:A:ARG:HB3	11	0.47
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	20	0.47
(1,2276)	1:753:A:LEU:H	1:770:A:ILE:HG21	13	0.47
(1,2099)	1:805:A:VAL:HA	1:799:A:LYS:HG2	19	0.47
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB2	3	0.47
(1,2018)	1:809:A:SER:H	1:808:A:LEU:HD21	13	0.47
(1,1874)	1:808:A:LEU:H	1:808:A:LEU:HG	4	0.47
(1,1874)	1:808:A:LEU:H	1:808:A:LEU:HG	11	0.47
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	3	0.47
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	6	0.47
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	5	0.47
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	16	0.47
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	20	0.47
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	14	0.47
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	9	0.47
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	15	0.47
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	19	0.47
(1,1516)	1:789:A:GLY:H	1:816:A:GLN:HE22	5	0.47
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	3	0.47
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	10	0.47
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	18	0.47
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	11	0.47
(1,1184)	1:753:A:LEU:HD21	1:755:A:TYR:HE2	5	0.47
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	11	0.47
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	16	0.47
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	18	0.47
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD2	1	0.47
(1,986)	1:735:A:LEU:HD21	1:786:A:THR:HA	11	0.47
(1,971)	1:793:A:LEU:HB2	1:793:A:LEU:HD21	2	0.47
(1,971)	1:793:A:LEU:HB2	1:793:A:LEU:HD21	11	0.47
(1,971)	1:793:A:LEU:HB2	1:793:A:LEU:HD21	17	0.47
(1,909)	1:721:A:PRO:HG2	1:806:A:VAL:HG13	13	0.47
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	5	0.47
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	19	0.47
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	19	0.47
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	5	0.47
(1,789)	1:720:A:LYS:HB2	1:806:A:VAL:HG11	14	0.47
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	12	0.47
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	13	0.47
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	11	0.47
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	16	0.47
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	19	0.47
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	4	0.47
(1,619)	1:818:A:ARG:HD3	1:818:A:ARG:HB2	2	0.47
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	11	0.47
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	17	0.47
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	20	0.47
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	17	0.47
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	19	0.47
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	5	0.47
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	11	0.47
(1,381)	1:765:A:ARG:HA	1:765:A:ARG:HG2	8	0.47
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	5	0.47
(1,265)	1:778:A:TYR:HA	1:779:A:VAL:HG11	2	0.47
(1,265)	1:778:A:TYR:HA	1:779:A:VAL:HG11	7	0.47
(1,265)	1:778:A:TYR:HA	1:779:A:VAL:HG11	15	0.47
(1,241)	1:774:A:LYS:HA	1:750:A:PRO:HD2	5	0.47
(1,133)	1:817:A:VAL:HA	1:817:A:VAL:HG11	14	0.47
(1,132)	1:817:A:VAL:HA	1:733:A:LEU:HB3	11	0.47
(1,117)	1:719:A:VAL:HA	1:719:A:VAL:HG21	10	0.47
(1,2342)	1:751:A:PHE:H	1:774:A:LYS:HE3	2	0.46
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HD3	6	0.46
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD2	19	0.46
(1,2305)	1:820:A:ASP:H	1:819:A:ARG:HB2	1	0.46
(1,2304)	1:765:A:ARG:H	1:765:A:ARG:HG2	17	0.46
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	10	0.46
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	5	0.46
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	8	0.46
(1,2277)	1:793:A:LEU:H	1:793:A:LEU:HG	13	0.46
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	18	0.46
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	7	0.46
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	11	0.46
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	16	0.46
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	13	0.46
(1,2002)	1:752:A:THR:H	1:799:A:LYS:HD3	8	0.46
(1,1894)	1:777:A:GLU:H	1:777:A:GLU:HG2	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	19	0.46
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	1	0.46
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	3	0.46
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	9	0.46
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	11	0.46
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	17	0.46
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	19	0.46
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	17	0.46
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	1	0.46
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	7	0.46
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	6	0.46
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	13	0.46
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	13	0.46
(1,988)	1:735:A:LEU:HB2	1:735:A:LEU:HD21	7	0.46
(1,971)	1:793:A:LEU:HB2	1:793:A:LEU:HD21	3	0.46
(1,971)	1:793:A:LEU:HB2	1:793:A:LEU:HD21	15	0.46
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	14	0.46
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	17	0.46
(1,918)	1:725:A:LEU:HD11	1:780:A:ILE:HB	13	0.46
(1,912)	1:718:A:ARG:HG3	1:718:A:ARG:HA	19	0.46
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	3	0.46
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	10	0.46
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	4	0.46
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	3	0.46
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	7	0.46
(1,786)	1:720:A:LYS:HB2	1:720:A:LYS:HE2	11	0.46
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	10	0.46
(1,723)	1:750:A:PRO:HB2	1:772:A:GLU:HA	1	0.46
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	13	0.46
(1,670)	1:768:A:PHE:HB2	1:770:A:ILE:HD11	19	0.46
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	20	0.46
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	17	0.46
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	11	0.46
(1,381)	1:765:A:ARG:HA	1:765:A:ARG:HG2	2	0.46
(1,381)	1:765:A:ARG:HA	1:765:A:ARG:HG2	17	0.46
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	1	0.46
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	8	0.46
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	11	0.46
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	7	0.46
(1,265)	1:778:A:TYR:HA	1:779:A:VAL:HG11	3	0.46
(1,265)	1:778:A:TYR:HA	1:779:A:VAL:HG11	8	0.46
(1,265)	1:778:A:TYR:HA	1:779:A:VAL:HG11	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,241)	1:774:A:LYS:HA	1:750:A:PRO:HD2	16	0.46
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	8	0.46
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	3	0.46
(1,28)	1:794:A:SER:HB2	1:796:A:VAL:HG21	11	0.46
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HB3	5	0.45
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HB3	7	0.45
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	9	0.45
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	16	0.45
(1,2305)	1:820:A:ASP:H	1:819:A:ARG:HB2	20	0.45
(1,2303)	1:766:A:LYS:H	1:766:A:LYS:HG3	16	0.45
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	9	0.45
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	15	0.45
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	19	0.45
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	9	0.45
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	12	0.45
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	19	0.45
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	1	0.45
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	2	0.45
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	18	0.45
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	9	0.45
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	13	0.45
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	10	0.45
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	13	0.45
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	20	0.45
(1,2166)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	7	0.45
(1,2165)	1:732:A:LYS:HA	1:732:A:LYS:HE3	3	0.45
(1,2129)	1:731:A:LEU:HA	1:731:A:LEU:HB3	9	0.45
(1,2129)	1:731:A:LEU:HA	1:731:A:LEU:HB3	10	0.45
(1,2129)	1:731:A:LEU:HA	1:731:A:LEU:HB3	11	0.45
(1,2129)	1:731:A:LEU:HA	1:731:A:LEU:HB3	14	0.45
(1,2129)	1:731:A:LEU:HA	1:731:A:LEU:HB3	15	0.45
(1,2129)	1:731:A:LEU:HA	1:731:A:LEU:HB3	16	0.45
(1,2110)	1:735:A:LEU:HA	1:817:A:VAL:HG11	11	0.45
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	5	0.45
(1,1874)	1:808:A:LEU:H	1:808:A:LEU:HG	2	0.45
(1,1798)	1:800:A:ASP:H	1:721:A:PRO:HG3	14	0.45
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	11	0.45
(1,1682)	1:769:A:GLU:H	1:768:A:PHE:HB2	12	0.45
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	7	0.45
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	13	0.45
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	10	0.45
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	20	0.45
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	1	0.45
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	17	0.45
(1,1195)	1:759:A:GLU:HB2	1:791:A:TYR:HE2	7	0.45
(1,1195)	1:759:A:GLU:HB2	1:791:A:TYR:HE2	13	0.45
(1,1046)	1:741:A:VAL:HG21	1:780:A:ILE:HB	17	0.45
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD3	12	0.45
(1,988)	1:735:A:LEU:HB2	1:735:A:LEU:HD21	18	0.45
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	1	0.45
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	6	0.45
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	10	0.45
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	18	0.45
(1,776)	1:740:A:SER:HA	1:781:A:LYS:HB3	19	0.45
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	1	0.45
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	13	0.45
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	1	0.45
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	15	0.45
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	18	0.45
(1,381)	1:765:A:ARG:HA	1:765:A:ARG:HG2	10	0.45
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	15	0.45
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	19	0.45
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	10	0.45
(1,265)	1:778:A:TYR:HA	1:779:A:VAL:HG11	6	0.45
(1,265)	1:778:A:TYR:HA	1:779:A:VAL:HG11	14	0.45
(1,133)	1:817:A:VAL:HA	1:817:A:VAL:HG11	16	0.45
(1,122)	1:779:A:VAL:HA	1:779:A:VAL:HG21	11	0.45
(1,32)	1:760:A:THR:HB	1:760:A:THR:HG21	1	0.45
(1,26)	1:739:A:SER:HB2	1:733:A:LEU:HD21	1	0.45
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	15	0.44
(1,2303)	1:766:A:LYS:H	1:766:A:LYS:HG3	7	0.44
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	13	0.44
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	13	0.44
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	15	0.44
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	17	0.44
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	7	0.44
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	17	0.44
(1,2229)	1:770:A:ILE:HG13	1:755:A:TYR:HE1	9	0.44
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	5	0.44
(1,2166)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	10	0.44
(1,2166)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	11	0.44
(1,2165)	1:732:A:LYS:HA	1:732:A:LYS:HE3	1	0.44
(1,2156)	1:765:A:ARG:HD3	1:765:A:ARG:HB3	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2129)	1:731:A:LEU:HA	1:731:A:LEU:HB3	7	0.44
(1,2129)	1:731:A:LEU:HA	1:731:A:LEU:HB3	13	0.44
(1,2129)	1:731:A:LEU:HA	1:731:A:LEU:HB3	19	0.44
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	14	0.44
(1,2058)	1:816:A:GLN:HE21	1:732:A:LYS:HE3	6	0.44
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	8	0.44
(1,1874)	1:808:A:LEU:H	1:808:A:LEU:HG	13	0.44
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	18	0.44
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	14	0.44
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	18	0.44
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	19	0.44
(1,1599)	1:720:A:LYS:H	1:721:A:PRO:HD2	20	0.44
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	4	0.44
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	12	0.44
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	2	0.44
(1,1378)	1:817:A:VAL:H	1:817:A:VAL:HG21	2	0.44
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	2	0.44
(1,1046)	1:741:A:VAL:HG21	1:780:A:ILE:HB	14	0.44
(1,1038)	1:784:A:VAL:HG21	1:736:A:GLY:HA3	13	0.44
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	15	0.44
(1,990)	1:723:A:ALA:HB1	1:746:A:LYS:HB3	12	0.44
(1,988)	1:735:A:LEU:HB2	1:735:A:LEU:HD21	4	0.44
(1,988)	1:735:A:LEU:HB2	1:735:A:LEU:HD21	9	0.44
(1,971)	1:793:A:LEU:HB2	1:793:A:LEU:HD21	16	0.44
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	14	0.44
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	8	0.44
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	15	0.44
(1,843)	1:780:A:ILE:HG13	1:780:A:ILE:HG21	20	0.44
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	2	0.44
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	18	0.44
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	1	0.44
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	9	0.44
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	7	0.44
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	9	0.44
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	18	0.44
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	20	0.44
(1,381)	1:765:A:ARG:HA	1:765:A:ARG:HG2	14	0.44
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	1	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	1	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	2	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	3	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	5	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	6	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	7	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	8	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	9	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	10	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	11	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	12	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	13	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	14	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	16	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	17	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	18	0.44
(1,368)	1:769:A:GLU:HA	1:769:A:GLU:HB3	20	0.44
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	7	0.44
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	15	0.44
(1,279)	1:751:A:PHE:HA	1:799:A:LYS:HB2	2	0.44
(1,265)	1:778:A:TYR:HA	1:779:A:VAL:HG11	18	0.44
(1,172)	1:758:A:ILE:HA	1:765:A:ARG:HG2	9	0.44
(1,122)	1:779:A:VAL:HA	1:779:A:VAL:HG21	1	0.44
(1,122)	1:779:A:VAL:HA	1:779:A:VAL:HG21	4	0.44
(1,26)	1:739:A:SER:HB2	1:733:A:LEU:HD21	16	0.44
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HB3	8	0.43
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	11	0.43
(1,2305)	1:820:A:ASP:H	1:819:A:ARG:HB2	9	0.43
(1,2304)	1:765:A:ARG:H	1:765:A:ARG:HG2	14	0.43
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	14	0.43
(1,2271)	1:795:A:LEU:H	1:795:A:LEU:HD21	1	0.43
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	10	0.43
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	2	0.43
(1,2229)	1:770:A:ILE:HG13	1:755:A:TYR:HE1	3	0.43
(1,2207)	1:718:A:ARG:HD2	1:718:A:ARG:HB2	9	0.43
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	17	0.43
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	1	0.43
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	19	0.43
(1,2165)	1:732:A:LYS:HA	1:732:A:LYS:HE3	8	0.43
(1,1976)	1:748:A:GLN:HE22	1:746:A:LYS:HG2	13	0.43
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	4	0.43
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	19	0.43
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	8	0.43
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	17	0.43
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	17	0.43
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	13	0.43
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	13	0.43
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	4	0.43
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	13	0.43
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	18	0.43
(1,1394)	1:734:A:CYS:H	1:733:A:LEU:HD11	13	0.43
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	7	0.43
(1,1322)	1:757:A:ILE:H	1:756:A:ASP:HB3	10	0.43
(1,1322)	1:757:A:ILE:H	1:756:A:ASP:HB3	12	0.43
(1,1246)	1:795:A:LEU:H	1:795:A:LEU:HG	18	0.43
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	10	0.43
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	8	0.43
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	8	0.43
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	20	0.43
(1,988)	1:735:A:LEU:HB2	1:735:A:LEU:HD21	14	0.43
(1,960)	1:720:A:LYS:HG3	1:719:A:VAL:HG21	4	0.43
(1,952)	1:733:A:LEU:HD21	1:739:A:SER:HA	12	0.43
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	7	0.43
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	2	0.43
(1,786)	1:720:A:LYS:HB2	1:720:A:LYS:HE2	7	0.43
(1,786)	1:720:A:LYS:HB2	1:720:A:LYS:HE2	16	0.43
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	11	0.43
(1,705)	1:799:A:LYS:HB2	1:799:A:LYS:HE3	1	0.43
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	12	0.43
(1,619)	1:818:A:ARG:HD3	1:818:A:ARG:HB2	15	0.43
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	4	0.43
(1,514)	1:811:A:PRO:HD2	1:810:A:GLN:HG3	19	0.43
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	3	0.43
(1,435)	1:820:A:ASP:HA	1:820:A:ASP:HB3	11	0.43
(1,435)	1:820:A:ASP:HA	1:820:A:ASP:HB3	12	0.43
(1,435)	1:820:A:ASP:HA	1:820:A:ASP:HB3	20	0.43
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	2	0.43
(1,357)	1:816:A:GLN:HA	1:790:A:ASP:HB2	19	0.43
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	4	0.43
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	15	0.43
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	19	0.43
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	2	0.43
(1,241)	1:774:A:LYS:HA	1:750:A:PRO:HD2	9	0.43
(1,170)	1:758:A:ILE:HA	1:765:A:ARG:HB3	13	0.43
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	7	0.43
(1,2340)	1:723:A:ALA:H	1:798:A:ILE:HD11	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HB3	12	0.42
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HB3	14	0.42
(1,2318)	1:780:A:ILE:H	1:741:A:VAL:HG21	4	0.42
(1,2304)	1:765:A:ARG:H	1:765:A:ARG:HG2	8	0.42
(1,2303)	1:766:A:LYS:H	1:766:A:LYS:HG3	9	0.42
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	4	0.42
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	17	0.42
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	6	0.42
(1,2245)	1:727:A:LEU:HD21	1:728:A:HIS:HA	13	0.42
(1,2231)	1:793:A:LEU:HB3	1:793:A:LEU:HD11	1	0.42
(1,2231)	1:793:A:LEU:HB3	1:793:A:LEU:HD11	20	0.42
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	7	0.42
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	14	0.42
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	19	0.42
(1,2174)	1:790:A:ASP:HB2	1:791:A:TYR:HA	11	0.42
(1,2169)	1:799:A:LYS:HE3	1:799:A:LYS:HD2	4	0.42
(1,2149)	1:727:A:LEU:HB3	1:727:A:LEU:HD11	15	0.42
(1,2121)	1:732:A:LYS:HA	1:732:A:LYS:HG2	10	0.42
(1,2110)	1:735:A:LEU:HA	1:817:A:VAL:HG11	12	0.42
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	7	0.42
(1,1894)	1:777:A:GLU:H	1:777:A:GLU:HG2	8	0.42
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	10	0.42
(1,1716)	1:719:A:VAL:H	1:718:A:ARG:HG3	7	0.42
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	15	0.42
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	19	0.42
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	12	0.42
(1,1599)	1:720:A:LYS:H	1:721:A:PRO:HD2	2	0.42
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	3	0.42
(1,1339)	1:743:A:VAL:H	1:743:A:VAL:HG11	13	0.42
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	5	0.42
(1,1322)	1:757:A:ILE:H	1:756:A:ASP:HB3	1	0.42
(1,1184)	1:753:A:LEU:HD21	1:755:A:TYR:HE2	12	0.42
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	11	0.42
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	20	0.42
(1,1046)	1:741:A:VAL:HG21	1:780:A:ILE:HB	2	0.42
(1,976)	1:793:A:LEU:HB3	1:793:A:LEU:HD21	18	0.42
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	20	0.42
(1,932)	1:753:A:LEU:HB2	1:753:A:LEU:HD21	7	0.42
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	18	0.42
(1,789)	1:720:A:LYS:HB2	1:806:A:VAL:HG11	4	0.42
(1,723)	1:750:A:PRO:HB2	1:772:A:GLU:HA	12	0.42
(1,723)	1:750:A:PRO:HB2	1:772:A:GLU:HA	18	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,711)	1:777:A:GLU:HG2	1:744:A:ALA:HA	11	0.42
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	12	0.42
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	9	0.42
(1,604)	1:819:A:ARG:HD3	1:735:A:LEU:HD11	12	0.42
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	17	0.42
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	14	0.42
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	14	0.42
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	12	0.42
(1,381)	1:765:A:ARG:HA	1:765:A:ARG:HG2	4	0.42
(1,381)	1:765:A:ARG:HA	1:765:A:ARG:HG2	7	0.42
(1,379)	1:765:A:ARG:HA	1:765:A:ARG:HB3	13	0.42
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	4	0.42
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	6	0.42
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	17	0.42
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	20	0.42
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	2	0.42
(1,172)	1:758:A:ILE:HA	1:765:A:ARG:HG2	17	0.42
(1,122)	1:779:A:VAL:HA	1:779:A:VAL:HG21	19	0.42
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	5	0.41
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	17	0.41
(1,2315)	1:719:A:VAL:H	1:718:A:ARG:HB3	16	0.41
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	3	0.41
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	15	0.41
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	16	0.41
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	14	0.41
(1,2231)	1:793:A:LEU:HB3	1:793:A:LEU:HD11	5	0.41
(1,2231)	1:793:A:LEU:HB3	1:793:A:LEU:HD11	6	0.41
(1,2207)	1:718:A:ARG:HD2	1:718:A:ARG:HB2	2	0.41
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	14	0.41
(1,2180)	1:785:A:PHE:HB2	1:817:A:VAL:HG21	14	0.41
(1,2180)	1:785:A:PHE:HB2	1:817:A:VAL:HG21	16	0.41
(1,2174)	1:790:A:ASP:HB2	1:791:A:TYR:HA	14	0.41
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	4	0.41
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	17	0.41
(1,2168)	1:735:A:LEU:HB3	1:819:A:ARG:HB3	18	0.41
(1,2165)	1:732:A:LYS:HA	1:732:A:LYS:HE2	15	0.41
(1,2129)	1:746:A:LYS:HA	1:746:A:LYS:HG2	5	0.41
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	4	0.41
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	9	0.41
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	16	0.41
(1,2099)	1:805:A:VAL:HA	1:799:A:LYS:HG2	13	0.41
(1,2018)	1:809:A:SER:H	1:808:A:LEU:HD21	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	8	0.41
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	14	0.41
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	15	0.41
(1,1749)	1:740:A:SER:H	1:733:A:LEU:HD21	13	0.41
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	7	0.41
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	18	0.41
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	2	0.41
(1,1339)	1:743:A:VAL:H	1:743:A:VAL:HG11	14	0.41
(1,1322)	1:757:A:ILE:H	1:756:A:ASP:HB3	18	0.41
(1,1277)	1:741:A:VAL:H	1:779:A:VAL:HG21	14	0.41
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	1	0.41
(1,988)	1:735:A:LEU:HB2	1:735:A:LEU:HD21	2	0.41
(1,980)	1:799:A:LYS:HG3	1:805:A:VAL:HG11	2	0.41
(1,945)	1:750:A:PRO:HA	1:750:A:PRO:HG2	12	0.41
(1,931)	1:753:A:LEU:HD21	1:770:A:ILE:HB	14	0.41
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	18	0.41
(1,723)	1:750:A:PRO:HB2	1:772:A:GLU:HA	9	0.41
(1,639)	1:795:A:LEU:HB2	1:808:A:LEU:HB2	2	0.41
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	19	0.41
(1,601)	1:747:A:GLY:HA3	1:719:A:VAL:HG11	19	0.41
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	4	0.41
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	6	0.41
(1,583)	1:789:A:GLY:HA2	1:761:A:PHE:HE1	16	0.41
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	9	0.41
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	6	0.41
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	10	0.41
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	19	0.41
(1,381)	1:765:A:ARG:HA	1:765:A:ARG:HG2	9	0.41
(1,379)	1:765:A:ARG:HA	1:765:A:ARG:HB3	1	0.41
(1,379)	1:765:A:ARG:HA	1:765:A:ARG:HB3	7	0.41
(1,379)	1:765:A:ARG:HA	1:765:A:ARG:HB3	11	0.41
(1,379)	1:765:A:ARG:HA	1:765:A:ARG:HB3	15	0.41
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	12	0.41
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	14	0.41
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	3	0.41
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	4	0.41
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	5	0.41
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	12	0.41
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	15	0.41
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	17	0.41
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	19	0.41
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	4	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	2	0.41
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	20	0.41
(1,241)	1:774:A:LYS:HA	1:750:A:PRO:HD2	7	0.41
(1,122)	1:779:A:VAL:HA	1:779:A:VAL:HG21	13	0.41
(1,111)	1:787:A:THR:HA	1:735:A:LEU:HD21	12	0.41
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	9	0.41
(1,26)	1:739:A:SER:HB2	1:733:A:LEU:HD21	14	0.41
(1,2326)	1:803:A:GLY:H	1:799:A:LYS:HG3	1	0.4
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HD3	13	0.4
(1,2322)	1:772:A:GLU:H	1:771:A:LYS:HG2	2	0.4
(1,2305)	1:820:A:ASP:H	1:819:A:ARG:HB3	17	0.4
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	1	0.4
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	2	0.4
(1,2271)	1:795:A:LEU:H	1:795:A:LEU:HD21	6	0.4
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	12	0.4
(1,2231)	1:793:A:LEU:HB3	1:793:A:LEU:HD11	12	0.4
(1,2231)	1:793:A:LEU:HB3	1:793:A:LEU:HD11	18	0.4
(1,2231)	1:793:A:LEU:HB3	1:793:A:LEU:HD11	19	0.4
(1,2229)	1:770:A:ILE:HG13	1:755:A:TYR:HE1	7	0.4
(1,2169)	1:799:A:LYS:HE3	1:799:A:LYS:HD2	5	0.4
(1,2169)	1:799:A:LYS:HE3	1:799:A:LYS:HD2	16	0.4
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	16	0.4
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	1	0.4
(1,2099)	1:805:A:VAL:HA	1:799:A:LYS:HG3	11	0.4
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB3	5	0.4
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB2	9	0.4
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB3	17	0.4
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	2	0.4
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	12	0.4
(1,1749)	1:740:A:SER:H	1:733:A:LEU:HD21	20	0.4
(1,1599)	1:720:A:LYS:H	1:721:A:PRO:HD2	17	0.4
(1,1516)	1:789:A:GLY:H	1:816:A:GLN:HE22	3	0.4
(1,1327)	1:757:A:ILE:H	1:766:A:LYS:HB2	16	0.4
(1,1188)	1:741:A:VAL:HG11	1:743:A:VAL:HB	13	0.4
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	7	0.4
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	9	0.4
(1,1018)	1:787:A:THR:HG21	1:819:A:ARG:HD3	9	0.4
(1,962)	1:733:A:LEU:HD11	1:731:A:LEU:HA	4	0.4
(1,952)	1:733:A:LEU:HD21	1:739:A:SER:HA	19	0.4
(1,932)	1:753:A:LEU:HB2	1:753:A:LEU:HD21	12	0.4
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	12	0.4
(1,789)	1:720:A:LYS:HB2	1:806:A:VAL:HG11	16	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	11	0.4
(1,641)	1:725:A:LEU:HB2	1:725:A:LEU:HD11	13	0.4
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	4	0.4
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	14	0.4
(1,604)	1:819:A:ARG:HD3	1:735:A:LEU:HD11	10	0.4
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	7	0.4
(1,568)	1:756:A:ASP:HB2	1:796:A:VAL:HG21	12	0.4
(1,425)	1:727:A:LEU:HA	1:742:A:PRO:HD3	5	0.4
(1,425)	1:727:A:LEU:HA	1:742:A:PRO:HD3	18	0.4
(1,379)	1:765:A:ARG:HA	1:765:A:ARG:HB3	2	0.4
(1,379)	1:765:A:ARG:HA	1:765:A:ARG:HB3	3	0.4
(1,379)	1:765:A:ARG:HA	1:765:A:ARG:HB3	4	0.4
(1,379)	1:765:A:ARG:HA	1:765:A:ARG:HB3	9	0.4
(1,379)	1:765:A:ARG:HA	1:765:A:ARG:HB3	10	0.4
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	5	0.4
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	11	0.4
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	15	0.4
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	18	0.4
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	19	0.4
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	2	0.4
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	6	0.4
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	8	0.4
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	9	0.4
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	11	0.4
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	13	0.4
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	18	0.4
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	20	0.4
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	10	0.4
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	14	0.4
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	4	0.4
(1,241)	1:774:A:LYS:HA	1:750:A:PRO:HD2	1	0.4
(1,132)	1:817:A:VAL:HA	1:733:A:LEU:HB3	15	0.4
(1,122)	1:779:A:VAL:HA	1:779:A:VAL:HG21	9	0.4
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	1	0.4
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	19	0.4
(1,28)	1:794:A:SER:HB2	1:796:A:VAL:HG21	7	0.4
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	4	0.39
(1,2271)	1:795:A:LEU:H	1:795:A:LEU:HD11	12	0.39
(1,2271)	1:795:A:LEU:H	1:795:A:LEU:HD21	15	0.39
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	3	0.39
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	8	0.39
(1,2244)	1:781:A:LYS:HG3	1:738:A:HIS:HD2	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2231)	1:793:A:LEU:HB3	1:793:A:LEU:HD11	10	0.39
(1,2231)	1:793:A:LEU:HB3	1:793:A:LEU:HD11	14	0.39
(1,2229)	1:770:A:ILE:HG13	1:755:A:TYR:HE1	14	0.39
(1,2229)	1:770:A:ILE:HG13	1:755:A:TYR:HE1	20	0.39
(1,2214)	1:746:A:LYS:HD3	1:746:A:LYS:HA	20	0.39
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	1	0.39
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	3	0.39
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	9	0.39
(1,2165)	1:732:A:LYS:HA	1:732:A:LYS:HE3	14	0.39
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	7	0.39
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	13	0.39
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	13	0.39
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	17	0.39
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	10	0.39
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	19	0.39
(1,1670)	1:802:A:THR:H	1:803:A:GLY:HA3	15	0.39
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	11	0.39
(1,1415)	1:752:A:THR:H	1:799:A:LYS:HB2	11	0.39
(1,1195)	1:759:A:GLU:HB2	1:791:A:TYR:HE2	14	0.39
(1,1195)	1:759:A:GLU:HB2	1:791:A:TYR:HE2	15	0.39
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	9	0.39
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	14	0.39
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	19	0.39
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	3	0.39
(1,1070)	1:731:A:LEU:HB2	1:815:A:ILE:HG21	5	0.39
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	3	0.39
(1,945)	1:750:A:PRO:HA	1:750:A:PRO:HG2	18	0.39
(1,932)	1:753:A:LEU:HB2	1:753:A:LEU:HD21	3	0.39
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	20	0.39
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	15	0.39
(1,681)	1:757:A:ILE:HB	1:766:A:LYS:HB2	14	0.39
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	13	0.39
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	1	0.39
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	6	0.39
(1,568)	1:756:A:ASP:HB2	1:796:A:VAL:HG21	1	0.39
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	17	0.39
(1,447)	1:790:A:ASP:HA	1:816:A:GLN:HG3	19	0.39
(1,425)	1:727:A:LEU:HA	1:742:A:PRO:HD3	6	0.39
(1,381)	1:765:A:ARG:HA	1:765:A:ARG:HG2	3	0.39
(1,381)	1:765:A:ARG:HA	1:765:A:ARG:HG2	11	0.39
(1,379)	1:765:A:ARG:HA	1:765:A:ARG:HB3	12	0.39
(1,379)	1:765:A:ARG:HA	1:765:A:ARG:HB3	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	7	0.39
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	8	0.39
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	9	0.39
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	10	0.39
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	13	0.39
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	2	0.39
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	14	0.39
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	16	0.39
(1,279)	1:751:A:PHE:HA	1:799:A:LYS:HB2	10	0.39
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	9	0.39
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	12	0.39
(1,170)	1:758:A:ILE:HA	1:765:A:ARG:HB3	14	0.39
(1,132)	1:817:A:VAL:HA	1:733:A:LEU:HB3	20	0.39
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	5	0.39
(1,111)	1:787:A:THR:HA	1:735:A:LEU:HD21	13	0.39
(1,2338)	1:727:A:LEU:H	1:727:A:LEU:HD11	13	0.38
(1,2315)	1:719:A:VAL:H	1:718:A:ARG:HB3	1	0.38
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	11	0.38
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	4	0.38
(1,2229)	1:770:A:ILE:HG13	1:755:A:TYR:HE1	11	0.38
(1,2223)	1:792:A:ILE:HG12	1:792:A:ILE:HD11	20	0.38
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	11	0.38
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	16	0.38
(1,2174)	1:790:A:ASP:HB3	1:791:A:TYR:HA	5	0.38
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	3	0.38
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	8	0.38
(1,2150)	1:819:A:ARG:HD2	1:787:A:THR:HA	6	0.38
(1,2099)	1:805:A:VAL:HA	1:799:A:LYS:HG2	10	0.38
(1,1646)	1:732:A:LYS:H	1:732:A:LYS:HG3	14	0.38
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	10	0.38
(1,1599)	1:720:A:LYS:H	1:721:A:PRO:HD2	3	0.38
(1,1574)	1:759:A:GLU:H	1:758:A:ILE:HG12	5	0.38
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	6	0.38
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	19	0.38
(1,1339)	1:743:A:VAL:H	1:743:A:VAL:HG11	1	0.38
(1,1195)	1:759:A:GLU:HB2	1:791:A:TYR:HE2	8	0.38
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	4	0.38
(1,1103)	1:753:A:LEU:HB3	1:773:A:ILE:HG21	9	0.38
(1,1035)	1:817:A:VAL:HG11	1:733:A:LEU:HB3	4	0.38
(1,1027)	1:779:A:VAL:HB	1:779:A:VAL:HG21	2	0.38
(1,1027)	1:779:A:VAL:HB	1:779:A:VAL:HG21	3	0.38
(1,1027)	1:779:A:VAL:HB	1:779:A:VAL:HG21	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1027)	1:779:A:VAL:HB	1:779:A:VAL:HG21	6	0.38
(1,1027)	1:779:A:VAL:HB	1:779:A:VAL:HG21	7	0.38
(1,1027)	1:779:A:VAL:HB	1:779:A:VAL:HG21	8	0.38
(1,1027)	1:779:A:VAL:HB	1:779:A:VAL:HG21	10	0.38
(1,1027)	1:779:A:VAL:HB	1:779:A:VAL:HG21	12	0.38
(1,1027)	1:779:A:VAL:HB	1:779:A:VAL:HG21	14	0.38
(1,1027)	1:779:A:VAL:HB	1:779:A:VAL:HG21	15	0.38
(1,1027)	1:779:A:VAL:HB	1:779:A:VAL:HG21	18	0.38
(1,1027)	1:779:A:VAL:HB	1:779:A:VAL:HG21	20	0.38
(1,990)	1:723:A:ALA:HB1	1:746:A:LYS:HB3	17	0.38
(1,945)	1:750:A:PRO:HA	1:750:A:PRO:HG2	16	0.38
(1,945)	1:750:A:PRO:HA	1:750:A:PRO:HG2	19	0.38
(1,909)	1:721:A:PRO:HG2	1:806:A:VAL:HG13	10	0.38
(1,723)	1:750:A:PRO:HB2	1:772:A:GLU:HA	11	0.38
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	16	0.38
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	2	0.38
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	4	0.38
(1,379)	1:765:A:ARG:HA	1:765:A:ARG:HB3	17	0.38
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	3	0.38
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	20	0.38
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	3	0.38
(1,278)	1:751:A:PHE:HA	1:800:A:ASP:HB3	2	0.38
(1,278)	1:751:A:PHE:HA	1:800:A:ASP:HB3	12	0.38
(1,132)	1:817:A:VAL:HA	1:733:A:LEU:HB3	2	0.38
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	17	0.38
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	20	0.38
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	11	0.38
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	13	0.38
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	20	0.38
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	20	0.38
(1,28)	1:794:A:SER:HB2	1:796:A:VAL:HG21	10	0.38
(1,3)	1:752:A:THR:HB	1:799:A:LYS:HD3	20	0.38
(1,2338)	1:727:A:LEU:H	1:727:A:LEU:HD11	1	0.37
(1,2305)	1:820:A:ASP:H	1:819:A:ARG:HB2	10	0.37
(1,2303)	1:766:A:LYS:H	1:766:A:LYS:HG3	3	0.37
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	2	0.37
(1,2286)	1:752:A:THR:H	1:798:A:ILE:HG21	6	0.37
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	10	0.37
(1,2271)	1:795:A:LEU:H	1:795:A:LEU:HD21	3	0.37
(1,2255)	1:770:A:ILE:HG21	1:771:A:LYS:HG3	12	0.37
(1,2229)	1:770:A:ILE:HG13	1:755:A:TYR:HE1	15	0.37
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	4	0.37
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	11	0.37
(1,2166)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	6	0.37
(1,2166)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	17	0.37
(1,2144)	1:742:A:PRO:HD3	1:727:A:LEU:HD21	19	0.37
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	19	0.37
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB3	2	0.37
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	12	0.37
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	10	0.37
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	20	0.37
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	4	0.37
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	7	0.37
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	8	0.37
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	14	0.37
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	8	0.37
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	9	0.37
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	5	0.37
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	16	0.37
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	14	0.37
(1,1378)	1:817:A:VAL:H	1:817:A:VAL:HG21	8	0.37
(1,1339)	1:743:A:VAL:H	1:743:A:VAL:HG11	11	0.37
(1,1154)	1:742:A:PRO:HD2	1:741:A:VAL:HB	4	0.37
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	7	0.37
(1,1070)	1:731:A:LEU:HB2	1:815:A:ILE:HG21	3	0.37
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	5	0.37
(1,1027)	1:779:A:VAL:HB	1:779:A:VAL:HG21	16	0.37
(1,1027)	1:779:A:VAL:HB	1:779:A:VAL:HG21	17	0.37
(1,1000)	1:808:A:LEU:HB3	1:808:A:LEU:HD21	18	0.37
(1,990)	1:723:A:ALA:HB1	1:746:A:LYS:HB3	6	0.37
(1,976)	1:793:A:LEU:HB3	1:793:A:LEU:HD21	14	0.37
(1,945)	1:750:A:PRO:HA	1:750:A:PRO:HG2	1	0.37
(1,945)	1:750:A:PRO:HA	1:750:A:PRO:HG2	7	0.37
(1,932)	1:753:A:LEU:HB2	1:753:A:LEU:HD21	8	0.37
(1,849)	1:780:A:ILE:HG12	1:741:A:VAL:HG11	19	0.37
(1,780)	1:817:A:VAL:HB	1:816:A:GLN:HE22	8	0.37
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	5	0.37
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	3	0.37
(1,599)	1:747:A:GLY:HA2	1:719:A:VAL:HG11	5	0.37
(1,583)	1:789:A:GLY:HA2	1:761:A:PHE:HE1	11	0.37
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	20	0.37
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	1	0.37
(1,381)	1:765:A:ARG:HA	1:765:A:ARG:HG2	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:765:A:ARG:HA	1:765:A:ARG:HB3	8	0.37
(1,379)	1:765:A:ARG:HA	1:765:A:ARG:HB3	14	0.37
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	7	0.37
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	16	0.37
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	1	0.37
(1,279)	1:751:A:PHE:HA	1:799:A:LYS:HB2	13	0.37
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	15	0.37
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	16	0.37
(1,132)	1:817:A:VAL:HA	1:733:A:LEU:HB3	12	0.37
(1,132)	1:817:A:VAL:HA	1:733:A:LEU:HB3	19	0.37
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	10	0.37
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	1	0.37
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	2	0.37
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	3	0.37
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	5	0.37
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	6	0.37
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	7	0.37
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	8	0.37
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	9	0.37
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	12	0.37
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	14	0.37
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	15	0.37
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	16	0.37
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	17	0.37
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	18	0.37
(1,2345)	1:758:A:ILE:H	1:792:A:ILE:HG21	20	0.36
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HB3	16	0.36
(1,2271)	1:795:A:LEU:H	1:795:A:LEU:HD21	9	0.36
(1,2271)	1:795:A:LEU:H	1:795:A:LEU:HD11	16	0.36
(1,2226)	1:731:A:LEU:HG	1:731:A:LEU:HD21	14	0.36
(1,2223)	1:792:A:ILE:HG12	1:792:A:ILE:HD11	10	0.36
(1,2223)	1:792:A:ILE:HG12	1:792:A:ILE:HD11	17	0.36
(1,2223)	1:735:A:LEU:HG	1:735:A:LEU:HD11	19	0.36
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	16	0.36
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	11	0.36
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	2	0.36
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	9	0.36
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	12	0.36
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	2	0.36
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	7	0.36
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	9	0.36
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	17	0.36
(1,1599)	1:720:A:LYS:H	1:721:A:PRO:HD2	4	0.36
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	18	0.36
(1,1415)	1:752:A:THR:H	1:799:A:LYS:HB2	4	0.36
(1,1246)	1:795:A:LEU:H	1:795:A:LEU:HG	10	0.36
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	15	0.36
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	1	0.36
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	2	0.36
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	15	0.36
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	17	0.36
(1,990)	1:723:A:ALA:HB1	1:746:A:LYS:HB3	14	0.36
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	8	0.36
(1,945)	1:750:A:PRO:HA	1:750:A:PRO:HG2	5	0.36
(1,945)	1:750:A:PRO:HA	1:750:A:PRO:HG2	9	0.36
(1,945)	1:750:A:PRO:HA	1:750:A:PRO:HG2	14	0.36
(1,932)	1:753:A:LEU:HB2	1:753:A:LEU:HD21	13	0.36
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	14	0.36
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	5	0.36
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	10	0.36
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	10	0.36
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	15	0.36
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	17	0.36
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	10	0.36
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	10	0.36
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	13	0.36
(1,568)	1:756:A:ASP:HB2	1:796:A:VAL:HG21	16	0.36
(1,514)	1:811:A:PRO:HD2	1:810:A:GLN:HG3	10	0.36
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	5	0.36
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	9	0.36
(1,425)	1:727:A:LEU:HA	1:742:A:PRO:HD3	2	0.36
(1,425)	1:727:A:LEU:HA	1:742:A:PRO:HD3	11	0.36
(1,425)	1:727:A:LEU:HA	1:742:A:PRO:HD3	14	0.36
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	1	0.36
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	14	0.36
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	9	0.36
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	2	0.36
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	3	0.36
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	4	0.36
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	5	0.36
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	6	0.36
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	8	0.36
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	14	0.36
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	15	0.36
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	17	0.36
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	18	0.36
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	19	0.36
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	20	0.36
(1,289)	1:764:A:LYS:HA	1:759:A:GLU:HG2	16	0.36
(1,172)	1:758:A:ILE:HA	1:765:A:ARG:HG2	3	0.36
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	15	0.36
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	4	0.36
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	10	0.36
(1,52)	1:811:A:PRO:HA	1:811:A:PRO:HB2	19	0.36
(1,2303)	1:766:A:LYS:H	1:757:A:ILE:HG21	20	0.35
(1,2277)	1:793:A:LEU:H	1:792:A:ILE:HB	7	0.35
(1,2276)	1:753:A:LEU:H	1:770:A:ILE:HG21	17	0.35
(1,2273)	1:770:A:ILE:H	1:770:A:ILE:HG13	19	0.35
(1,2271)	1:795:A:LEU:H	1:795:A:LEU:HD21	5	0.35
(1,2271)	1:795:A:LEU:H	1:795:A:LEU:HD21	14	0.35
(1,2269)	1:756:A:ASP:H	1:794:A:SER:HA	16	0.35
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	1	0.35
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	19	0.35
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	20	0.35
(1,2226)	1:731:A:LEU:HG	1:731:A:LEU:HD21	13	0.35
(1,2223)	1:735:A:LEU:HG	1:735:A:LEU:HD11	16	0.35
(1,2188)	1:766:A:LYS:HB3	1:766:A:LYS:HE2	15	0.35
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE3	20	0.35
(1,2151)	1:718:A:ARG:HA	1:718:A:ARG:HD3	18	0.35
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	17	0.35
(1,2099)	1:805:A:VAL:HA	1:799:A:LYS:HG2	17	0.35
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	3	0.35
(1,1874)	1:808:A:LEU:H	1:808:A:LEU:HG	18	0.35
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	3	0.35
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	11	0.35
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	1	0.35
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	3	0.35
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	17	0.35
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	2	0.35
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	20	0.35
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	8	0.35
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	14	0.35
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	15	0.35
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	18	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1599)	1:720:A:LYS:H	1:721:A:PRO:HD2	14	0.35
(1,1551)	1:745:A:LEU:H	1:776:A:ASN:HB2	13	0.35
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	19	0.35
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	5	0.35
(1,1246)	1:795:A:LEU:H	1:795:A:LEU:HG	7	0.35
(1,1246)	1:795:A:LEU:H	1:795:A:LEU:HG	8	0.35
(1,1246)	1:795:A:LEU:H	1:795:A:LEU:HG	17	0.35
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	5	0.35
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	6	0.35
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	10	0.35
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	19	0.35
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	1	0.35
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	2	0.35
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	4	0.35
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	6	0.35
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	9	0.35
(1,945)	1:750:A:PRO:HA	1:750:A:PRO:HG2	6	0.35
(1,945)	1:750:A:PRO:HA	1:750:A:PRO:HG2	11	0.35
(1,886)	1:808:A:LEU:HB3	1:808:A:LEU:HD11	6	0.35
(1,886)	1:808:A:LEU:HB3	1:808:A:LEU:HD11	13	0.35
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	2	0.35
(1,705)	1:799:A:LYS:HB2	1:799:A:LYS:HE3	2	0.35
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	17	0.35
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	20	0.35
(1,623)	1:733:A:LEU:HB2	1:737:A:ASP:HB3	13	0.35
(1,604)	1:819:A:ARG:HD3	1:735:A:LEU:HD11	4	0.35
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	12	0.35
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	17	0.35
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	20	0.35
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	15	0.35
(1,386)	1:729:A:HIS:HA	1:729:A:HIS:HB2	8	0.35
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	7	0.35
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	9	0.35
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	11	0.35
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	8	0.35
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	13	0.35
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	14	0.35
(1,241)	1:774:A:LYS:HA	1:750:A:PRO:HD2	14	0.35
(1,241)	1:774:A:LYS:HA	1:750:A:PRO:HD2	19	0.35
(1,200)	1:741:A:VAL:HA	1:731:A:LEU:HD11	16	0.35
(1,111)	1:787:A:THR:HA	1:735:A:LEU:HD21	16	0.35
(1,46)	1:740:A:SER:HB2	1:779:A:VAL:HG21	18	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:794:A:SER:HB2	1:796:A:VAL:HG21	1	0.35
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	1	0.35
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	4	0.35
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	19	0.35
(1,2338)	1:727:A:LEU:H	1:725:A:LEU:HD11	11	0.34
(1,2338)	1:727:A:LEU:H	1:727:A:LEU:HD11	15	0.34
(1,2321)	1:764:A:LYS:H	1:763:A:SER:HB2	20	0.34
(1,2305)	1:820:A:ASP:H	1:819:A:ARG:HB2	14	0.34
(1,2226)	1:731:A:LEU:HG	1:731:A:LEU:HD11	17	0.34
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	9	0.34
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE3	12	0.34
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	16	0.34
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	12	0.34
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	10	0.34
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	5	0.34
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	18	0.34
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	3	0.34
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	6	0.34
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	20	0.34
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	10	0.34
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	14	0.34
(1,1399)	1:736:A:GLY:H	1:735:A:LEU:HB2	14	0.34
(1,1339)	1:743:A:VAL:H	1:743:A:VAL:HG11	16	0.34
(1,1322)	1:757:A:ILE:H	1:756:A:ASP:HB3	7	0.34
(1,1195)	1:759:A:GLU:HB2	1:791:A:TYR:HE2	17	0.34
(1,1180)	1:757:A:ILE:HG12	1:755:A:TYR:HD1	18	0.34
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	2	0.34
(1,1143)	1:808:A:LEU:HA	1:808:A:LEU:HG	18	0.34
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	12	0.34
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	16	0.34
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	19	0.34
(1,1035)	1:817:A:VAL:HG11	1:733:A:LEU:HB3	18	0.34
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	12	0.34
(1,945)	1:750:A:PRO:HA	1:750:A:PRO:HG2	4	0.34
(1,886)	1:808:A:LEU:HB3	1:808:A:LEU:HD11	2	0.34
(1,886)	1:808:A:LEU:HB3	1:808:A:LEU:HD11	11	0.34
(1,846)	1:793:A:LEU:HA	1:757:A:ILE:HG12	20	0.34
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	16	0.34
(1,690)	1:753:A:LEU:HB2	1:770:A:ILE:HB	16	0.34
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	12	0.34
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	5	0.34
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:736:A:GLY:HA3	1:786:A:THR:HG21	11	0.34
(1,427)	1:727:A:LEU:HA	1:727:A:LEU:HD11	14	0.34
(1,398)	1:731:A:LEU:HA	1:731:A:LEU:HD21	14	0.34
(1,359)	1:816:A:GLN:HA	1:816:A:GLN:HB3	10	0.34
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	8	0.34
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	18	0.34
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	1	0.34
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	6	0.34
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	19	0.34
(1,28)	1:794:A:SER:HB2	1:796:A:VAL:HG21	9	0.34
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	8	0.34
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	10	0.34
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	12	0.34
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	14	0.34
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	20	0.34
(1,2342)	1:751:A:PHE:H	1:774:A:LYS:HE2	11	0.33
(1,2338)	1:727:A:LEU:H	1:727:A:LEU:HD11	6	0.33
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HD3	2	0.33
(1,2321)	1:764:A:LYS:H	1:763:A:SER:HB2	19	0.33
(1,2318)	1:780:A:ILE:H	1:741:A:VAL:HG21	1	0.33
(1,2318)	1:780:A:ILE:H	1:741:A:VAL:HG21	11	0.33
(1,2315)	1:719:A:VAL:H	1:718:A:ARG:HB3	14	0.33
(1,2253)	1:757:A:ILE:HG21	1:766:A:LYS:HB3	15	0.33
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE2	19	0.33
(1,2174)	1:790:A:ASP:HB3	1:791:A:TYR:HA	1	0.33
(1,2174)	1:790:A:ASP:HB3	1:791:A:TYR:HA	10	0.33
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	10	0.33
(1,2171)	1:771:A:LYS:HE2	1:752:A:THR:HG21	3	0.33
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	2	0.33
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	3	0.33
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	4	0.33
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	7	0.33
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	8	0.33
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	9	0.33
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	11	0.33
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	15	0.33
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	16	0.33
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	17	0.33
(1,2110)	1:735:A:LEU:HA	1:817:A:VAL:HG11	10	0.33
(1,2018)	1:809:A:SER:H	1:808:A:LEU:HD21	11	0.33
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	6	0.33
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	20	0.33
(1,1716)	1:719:A:VAL:H	1:718:A:ARG:HG3	6	0.33
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	3	0.33
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	11	0.33
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	1	0.33
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	4	0.33
(1,1599)	1:720:A:LYS:H	1:721:A:PRO:HD2	6	0.33
(1,1599)	1:720:A:LYS:H	1:721:A:PRO:HD2	18	0.33
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	10	0.33
(1,1551)	1:745:A:LEU:H	1:776:A:ASN:HB2	1	0.33
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	3	0.33
(1,1516)	1:789:A:GLY:H	1:816:A:GLN:HE22	4	0.33
(1,1471)	1:731:A:LEU:H	1:730:A:ASP:HB2	3	0.33
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	2	0.33
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	12	0.33
(1,1399)	1:736:A:GLY:H	1:735:A:LEU:HB2	9	0.33
(1,1392)	1:751:A:PHE:H	1:773:A:ILE:HG12	7	0.33
(1,1180)	1:757:A:ILE:HG12	1:755:A:TYR:HD1	14	0.33
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	18	0.33
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	5	0.33
(1,971)	1:793:A:LEU:HB2	1:793:A:LEU:HD21	14	0.33
(1,886)	1:808:A:LEU:HB3	1:808:A:LEU:HD11	4	0.33
(1,883)	1:815:A:ILE:HG12	1:731:A:LEU:HB2	10	0.33
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	20	0.33
(1,780)	1:817:A:VAL:HB	1:816:A:GLN:HE22	5	0.33
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	4	0.33
(1,711)	1:777:A:GLU:HG2	1:744:A:ALA:HA	16	0.33
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	11	0.33
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	14	0.33
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	16	0.33
(1,623)	1:733:A:LEU:HB2	1:737:A:ASP:HB3	9	0.33
(1,623)	1:733:A:LEU:HB2	1:737:A:ASP:HB3	16	0.33
(1,620)	1:733:A:LEU:HB2	1:737:A:ASP:HB2	4	0.33
(1,607)	1:751:A:PHE:HB2	1:798:A:ILE:HD11	8	0.33
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	1	0.33
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	4	0.33
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	10	0.33
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	3	0.33
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	18	0.33
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	17	0.33
(1,398)	1:731:A:LEU:HA	1:731:A:LEU:HD21	16	0.33
(1,375)	1:746:A:LYS:HA	1:746:A:LYS:HB3	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	10	0.33
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	14	0.33
(1,170)	1:758:A:ILE:HA	1:765:A:ARG:HB3	8	0.33
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	12	0.33
(1,78)	1:742:A:PRO:HA	1:779:A:VAL:HG11	17	0.33
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	2	0.33
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	7	0.33
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	17	0.33
(1,2338)	1:727:A:LEU:H	1:727:A:LEU:HD11	5	0.32
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HB3	15	0.32
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HB3	18	0.32
(1,2213)	1:726:A:LYS:HD2	1:726:A:LYS:HE3	19	0.32
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	2	0.32
(1,2180)	1:785:A:PHE:HB2	1:817:A:VAL:HG21	18	0.32
(1,2178)	1:781:A:LYS:HE2	1:779:A:VAL:HG21	4	0.32
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	2	0.32
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	5	0.32
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	8	0.32
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	10	0.32
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	13	0.32
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	14	0.32
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	20	0.32
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	5	0.32
(1,2099)	1:805:A:VAL:HA	1:799:A:LYS:HG2	2	0.32
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	3	0.32
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	8	0.32
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	10	0.32
(1,2058)	1:816:A:GLN:HE21	1:732:A:LYS:HE2	3	0.32
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	14	0.32
(1,1601)	1:771:A:LYS:H	1:771:A:LYS:HB3	19	0.32
(1,1599)	1:720:A:LYS:H	1:721:A:PRO:HD2	7	0.32
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	17	0.32
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	2	0.32
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	3	0.32
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	9	0.32
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	18	0.32
(1,1246)	1:795:A:LEU:H	1:795:A:LEU:HG	11	0.32
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	4	0.32
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	14	0.32
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	20	0.32
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	3	0.32
(1,990)	1:723:A:ALA:HB1	1:746:A:LYS:HB3	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:735:A:LEU:HA	1:735:A:LEU:HD21	6	0.32
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	6	0.32
(1,932)	1:753:A:LEU:HB2	1:753:A:LEU:HD21	11	0.32
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	16	0.32
(1,841)	1:793:A:LEU:HG	1:757:A:ILE:HD11	13	0.32
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	9	0.32
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	18	0.32
(1,681)	1:757:A:ILE:HB	1:766:A:LYS:HB2	6	0.32
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	1	0.32
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	8	0.32
(1,620)	1:733:A:LEU:HB2	1:737:A:ASP:HB2	12	0.32
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	8	0.32
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	18	0.32
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	19	0.32
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	6	0.32
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	8	0.32
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	15	0.32
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	4	0.32
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	6	0.32
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	9	0.32
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	10	0.32
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	11	0.32
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	12	0.32
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	16	0.32
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	20	0.32
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	16	0.32
(1,278)	1:751:A:PHE:HA	1:800:A:ASP:HB3	10	0.32
(1,278)	1:751:A:PHE:HA	1:800:A:ASP:HB3	16	0.32
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	4	0.32
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	17	0.32
(1,241)	1:774:A:LYS:HA	1:750:A:PRO:HD2	4	0.32
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	11	0.32
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	3	0.32
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	8	0.32
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	13	0.32
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	18	0.32
(1,78)	1:742:A:PRO:HA	1:779:A:VAL:HG11	2	0.32
(1,78)	1:742:A:PRO:HA	1:779:A:VAL:HG11	3	0.32
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	3	0.32
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	5	0.32
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	13	0.32
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2321)	1:764:A:LYS:H	1:763:A:SER:HB2	16	0.31
(1,2299)	1:778:A:TYR:H	1:743:A:VAL:HG11	9	0.31
(1,2194)	1:771:A:LYS:HB2	1:771:A:LYS:HE3	10	0.31
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	8	0.31
(1,2177)	1:781:A:LYS:HE3	1:781:A:LYS:HG2	10	0.31
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	15	0.31
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	1	0.31
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	5	0.31
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	6	0.31
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	12	0.31
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	18	0.31
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	19	0.31
(1,2131)	1:793:A:LEU:HA	1:793:A:LEU:HB3	20	0.31
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	9	0.31
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	20	0.31
(1,2110)	1:735:A:LEU:HA	1:817:A:VAL:HG11	20	0.31
(1,2099)	1:805:A:VAL:HA	1:799:A:LYS:HG2	6	0.31
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	2	0.31
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	7	0.31
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	9	0.31
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	11	0.31
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	15	0.31
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	17	0.31
(1,2058)	1:816:A:GLN:HE21	1:732:A:LYS:HE3	18	0.31
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	19	0.31
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	7	0.31
(1,1716)	1:719:A:VAL:H	1:718:A:ARG:HG3	19	0.31
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	20	0.31
(1,1646)	1:732:A:LYS:H	1:732:A:LYS:HG3	13	0.31
(1,1599)	1:720:A:LYS:H	1:721:A:PRO:HD2	1	0.31
(1,1598)	1:720:A:LYS:H	1:718:A:ARG:HA	10	0.31
(1,1598)	1:720:A:LYS:H	1:718:A:ARG:HA	15	0.31
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	1	0.31
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	2	0.31
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	12	0.31
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	18	0.31
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	19	0.31
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	6	0.31
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	10	0.31
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	17	0.31
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	20	0.31
(1,1399)	1:736:A:GLY:H	1:735:A:LEU:HB2	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:742:A:PRO:HD2	1:741:A:VAL:HB	9	0.31
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	6	0.31
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	13	0.31
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	7	0.31
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	8	0.31
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	9	0.31
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	11	0.31
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	13	0.31
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	19	0.31
(1,1070)	1:731:A:LEU:HB2	1:815:A:ILE:HG21	16	0.31
(1,1028)	1:733:A:LEU:HB3	1:817:A:VAL:HG21	18	0.31
(1,987)	1:735:A:LEU:HA	1:735:A:LEU:HD21	10	0.31
(1,909)	1:721:A:PRO:HG2	1:806:A:VAL:HG11	16	0.31
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	7	0.31
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	10	0.31
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	18	0.31
(1,639)	1:795:A:LEU:HB2	1:808:A:LEU:HB2	18	0.31
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	5	0.31
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	15	0.31
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	3	0.31
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	6	0.31
(1,514)	1:811:A:PRO:HD2	1:810:A:GLN:HG3	14	0.31
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	16	0.31
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	9	0.31
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	14	0.31
(1,429)	1:818:A:ARG:HA	1:818:A:ARG:HD2	15	0.31
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	3	0.31
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	5	0.31
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	15	0.31
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	17	0.31
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	18	0.31
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	13	0.31
(1,278)	1:751:A:PHE:HA	1:800:A:ASP:HB3	13	0.31
(1,188)	1:815:A:ILE:HA	1:731:A:LEU:HB2	13	0.31
(1,188)	1:815:A:ILE:HA	1:731:A:LEU:HB2	19	0.31
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	9	0.31
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	4	0.31
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	5	0.31
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	9	0.31
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	11	0.31
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	2	0.31
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	4	0.31
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	5	0.31
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	7	0.31
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	9	0.31
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	10	0.31
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	11	0.31
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	14	0.31
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	16	0.31
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	18	0.31
(1,78)	1:742:A:PRO:HA	1:779:A:VAL:HG11	6	0.31
(1,78)	1:742:A:PRO:HA	1:779:A:VAL:HG11	8	0.31
(1,78)	1:742:A:PRO:HA	1:779:A:VAL:HG11	18	0.31
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	9	0.31
(1,2338)	1:727:A:LEU:H	1:725:A:LEU:HD11	17	0.3
(1,2338)	1:727:A:LEU:H	1:727:A:LEU:HD11	19	0.3
(1,2302)	1:766:A:LYS:H	1:765:A:ARG:HG2	5	0.3
(1,2241)	1:766:A:LYS:HE2	1:766:A:LYS:HG2	1	0.3
(1,2213)	1:726:A:LYS:HD2	1:726:A:LYS:HE3	10	0.3
(1,2175)	1:781:A:LYS:HE2	1:781:A:LYS:HB2	13	0.3
(1,2149)	1:727:A:LEU:HB3	1:727:A:LEU:HD11	11	0.3
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	7	0.3
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	6	0.3
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	12	0.3
(1,2104)	1:770:A:ILE:HA	1:770:A:ILE:HG12	13	0.3
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	6	0.3
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	17	0.3
(1,1837)	1:737:A:ASP:H	1:737:A:ASP:HB2	4	0.3
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	9	0.3
(1,1783)	1:772:A:GLU:H	1:771:A:LYS:HB2	13	0.3
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	7	0.3
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	8	0.3
(1,1399)	1:736:A:GLY:H	1:735:A:LEU:HB2	4	0.3
(1,1239)	1:725:A:LEU:H	1:725:A:LEU:HG	13	0.3
(1,1188)	1:741:A:VAL:HG11	1:743:A:VAL:HB	17	0.3
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	12	0.3
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	1	0.3
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	2	0.3
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	3	0.3
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	4	0.3
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	5	0.3
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	6	0.3
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	12	0.3
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	14	0.3
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	15	0.3
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	16	0.3
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	17	0.3
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	18	0.3
(1,1112)	1:815:A:ILE:HG12	1:815:A:ILE:HD11	20	0.3
(1,1070)	1:731:A:LEU:HB2	1:815:A:ILE:HG21	9	0.3
(1,1070)	1:731:A:LEU:HB2	1:815:A:ILE:HG21	15	0.3
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	2	0.3
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	5	0.3
(1,960)	1:720:A:LYS:HG3	1:719:A:VAL:HG21	1	0.3
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	1	0.3
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	4	0.3
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	7	0.3
(1,841)	1:793:A:LEU:HG	1:757:A:ILE:HD11	20	0.3
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	8	0.3
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	15	0.3
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	16	0.3
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	17	0.3
(1,722)	1:750:A:PRO:HA	1:750:A:PRO:HB2	4	0.3
(1,722)	1:750:A:PRO:HA	1:750:A:PRO:HB2	6	0.3
(1,722)	1:750:A:PRO:HA	1:750:A:PRO:HB2	11	0.3
(1,705)	1:799:A:LYS:HB2	1:799:A:LYS:HE3	10	0.3
(1,704)	1:799:A:LYS:HB2	1:805:A:VAL:HG11	1	0.3
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	2	0.3
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	4	0.3
(1,681)	1:757:A:ILE:HB	1:766:A:LYS:HB2	8	0.3
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	16	0.3
(1,623)	1:733:A:LEU:HB2	1:737:A:ASP:HB3	1	0.3
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	9	0.3
(1,583)	1:789:A:GLY:HA2	1:761:A:PHE:HE1	18	0.3
(1,556)	1:736:A:GLY:HA2	1:735:A:LEU:HB2	2	0.3
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	9	0.3
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	11	0.3
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	15	0.3
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	10	0.3
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	13	0.3
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	19	0.3
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	20	0.3
(1,279)	1:751:A:PHE:HA	1:799:A:LYS:HB2	20	0.3
(1,278)	1:751:A:PHE:HA	1:800:A:ASP:HB3	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,188)	1:815:A:ILE:HA	1:731:A:LEU:HB2	7	0.3
(1,188)	1:815:A:ILE:HA	1:731:A:LEU:HB2	11	0.3
(1,172)	1:758:A:ILE:HA	1:765:A:ARG:HG2	4	0.3
(1,172)	1:758:A:ILE:HA	1:765:A:ARG:HG2	14	0.3
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	14	0.3
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	2	0.3
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	5	0.3
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	6	0.3
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	9	0.3
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	11	0.3
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	12	0.3
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	16	0.3
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	2	0.3
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	10	0.3
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	16	0.3
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	1	0.3
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	6	0.3
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	8	0.3
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	12	0.3
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	13	0.3
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	19	0.3
(1,78)	1:742:A:PRO:HA	1:779:A:VAL:HG11	15	0.3
(1,78)	1:742:A:PRO:HA	1:779:A:VAL:HG11	16	0.3
(1,47)	1:740:A:SER:HB3	1:779:A:VAL:HG21	10	0.3
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	11	0.3
(1,2338)	1:727:A:LEU:H	1:727:A:LEU:HD11	10	0.29
(1,2338)	1:727:A:LEU:H	1:725:A:LEU:HD11	12	0.29
(1,2303)	1:766:A:LYS:H	1:766:A:LYS:HG3	1	0.29
(1,2241)	1:766:A:LYS:HE2	1:766:A:LYS:HG2	8	0.29
(1,2180)	1:785:A:PHE:HB2	1:817:A:VAL:HG21	9	0.29
(1,2177)	1:781:A:LYS:HE3	1:781:A:LYS:HG2	6	0.29
(1,2172)	1:726:A:LYS:HA	1:726:A:LYS:HE2	18	0.29
(1,2115)	1:740:A:SER:HA	1:781:A:LYS:HG3	19	0.29
(1,2104)	1:770:A:ILE:HA	1:770:A:ILE:HG12	16	0.29
(1,2099)	1:805:A:VAL:HA	1:799:A:LYS:HG3	4	0.29
(1,2099)	1:805:A:VAL:HA	1:799:A:LYS:HG3	9	0.29
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	5	0.29
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	14	0.29
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	20	0.29
(1,2058)	1:816:A:GLN:HE21	1:732:A:LYS:HE3	11	0.29
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	13	0.29
(1,1978)	1:816:A:GLN:HE22	1:818:A:ARG:HA	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1798)	1:800:A:ASP:H	1:721:A:PRO:HG3	7	0.29
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	18	0.29
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	4	0.29
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	5	0.29
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	9	0.29
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	11	0.29
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	6	0.29
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	11	0.29
(1,1546)	1:814:A:LYS:H	1:814:A:LYS:HG2	18	0.29
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	9	0.29
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	15	0.29
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	1	0.29
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	7	0.29
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	15	0.29
(1,1389)	1:734:A:CYS:H	1:733:A:LEU:HB2	14	0.29
(1,1239)	1:725:A:LEU:H	1:725:A:LEU:HG	6	0.29
(1,1172)	1:765:A:ARG:HB3	1:758:A:ILE:HG21	3	0.29
(1,1172)	1:765:A:ARG:HB3	1:758:A:ILE:HG21	4	0.29
(1,1154)	1:742:A:PRO:HD2	1:741:A:VAL:HB	11	0.29
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	9	0.29
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	17	0.29
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	19	0.29
(1,1070)	1:731:A:LEU:HB2	1:815:A:ILE:HG21	19	0.29
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	6	0.29
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	14	0.29
(1,988)	1:735:A:LEU:HB2	1:735:A:LEU:HD21	17	0.29
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	7	0.29
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	12	0.29
(1,932)	1:753:A:LEU:HB2	1:753:A:LEU:HD21	18	0.29
(1,841)	1:793:A:LEU:HG	1:757:A:ILE:HD11	5	0.29
(1,841)	1:793:A:LEU:HG	1:757:A:ILE:HD11	6	0.29
(1,841)	1:793:A:LEU:HG	1:757:A:ILE:HD11	10	0.29
(1,841)	1:793:A:LEU:HG	1:757:A:ILE:HD11	12	0.29
(1,841)	1:793:A:LEU:HG	1:757:A:ILE:HD11	14	0.29
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	3	0.29
(1,722)	1:750:A:PRO:HA	1:750:A:PRO:HB2	1	0.29
(1,722)	1:750:A:PRO:HA	1:750:A:PRO:HB2	5	0.29
(1,722)	1:750:A:PRO:HA	1:750:A:PRO:HB2	9	0.29
(1,722)	1:750:A:PRO:HA	1:750:A:PRO:HB2	14	0.29
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	15	0.29
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	19	0.29
(1,681)	1:757:A:ILE:HB	1:766:A:LYS:HB2	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:752:A:THR:HB	1:799:A:LYS:HE3	1	0.29
(1,659)	1:790:A:ASP:HB3	1:760:A:THR:HA	16	0.29
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	2	0.29
(1,597)	1:747:A:GLY:HA2	1:721:A:PRO:HB2	16	0.29
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	2	0.29
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	5	0.29
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	7	0.29
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	13	0.29
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	19	0.29
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	2	0.29
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	3	0.29
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	8	0.29
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	15	0.29
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	17	0.29
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	8	0.29
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	10	0.29
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	10	0.29
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	17	0.29
(1,425)	1:727:A:LEU:HA	1:742:A:PRO:HD3	17	0.29
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	1	0.29
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	7	0.29
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	13	0.29
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	14	0.29
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	19	0.29
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	6	0.29
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	17	0.29
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	13	0.29
(1,188)	1:815:A:ILE:HA	1:731:A:LEU:HB2	5	0.29
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	4	0.29
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	10	0.29
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	13	0.29
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	15	0.29
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	18	0.29
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	19	0.29
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	20	0.29
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	7	0.29
(1,87)	1:783:A:PRO:HA	1:783:A:PRO:HG2	14	0.29
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	15	0.29
(1,78)	1:742:A:PRO:HA	1:779:A:VAL:HG11	5	0.29
(1,78)	1:742:A:PRO:HA	1:779:A:VAL:HG11	7	0.29
(1,78)	1:742:A:PRO:HA	1:779:A:VAL:HG11	10	0.29
(1,16)	1:782:A:THR:HB	1:782:A:THR:HG21	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2342)	1:751:A:PHE:H	1:774:A:LYS:HE2	6	0.28
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HB3	3	0.28
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HD3	10	0.28
(1,2321)	1:764:A:LYS:H	1:763:A:SER:HB2	3	0.28
(1,2299)	1:778:A:TYR:H	1:743:A:VAL:HG11	13	0.28
(1,2287)	1:754:A:THR:H	1:753:A:LEU:H	11	0.28
(1,2266)	1:791:A:TYR:H	1:790:A:ASP:HB3	1	0.28
(1,2213)	1:766:A:LYS:HE3	1:766:A:LYS:HD2	1	0.28
(1,2213)	1:726:A:LYS:HD2	1:726:A:LYS:HE3	4	0.28
(1,2213)	1:726:A:LYS:HD2	1:726:A:LYS:HE3	7	0.28
(1,2213)	1:766:A:LYS:HE3	1:766:A:LYS:HD2	8	0.28
(1,2213)	1:766:A:LYS:HE3	1:766:A:LYS:HD2	14	0.28
(1,2213)	1:766:A:LYS:HD3	1:766:A:LYS:HE3	20	0.28
(1,2177)	1:781:A:LYS:HE3	1:781:A:LYS:HG2	11	0.28
(1,2177)	1:781:A:LYS:HE3	1:781:A:LYS:HG2	14	0.28
(1,2174)	1:790:A:ASP:HB3	1:791:A:TYR:HA	7	0.28
(1,2174)	1:790:A:ASP:HB3	1:791:A:TYR:HA	8	0.28
(1,2174)	1:790:A:ASP:HB3	1:791:A:TYR:HA	13	0.28
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	9	0.28
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	12	0.28
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	17	0.28
(1,2104)	1:770:A:ILE:HA	1:770:A:ILE:HG12	17	0.28
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	1	0.28
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	4	0.28
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	19	0.28
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	7	0.28
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	2	0.28
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	3	0.28
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	7	0.28
(1,1599)	1:720:A:LYS:H	1:721:A:PRO:HD2	10	0.28
(1,1546)	1:814:A:LYS:H	1:814:A:LYS:HG2	1	0.28
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	6	0.28
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	20	0.28
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	12	0.28
(1,1322)	1:757:A:ILE:H	1:756:A:ASP:HB3	16	0.28
(1,1239)	1:725:A:LEU:H	1:725:A:LEU:HG	15	0.28
(1,1239)	1:725:A:LEU:H	1:725:A:LEU:HG	20	0.28
(1,1184)	1:753:A:LEU:HD21	1:755:A:TYR:HE2	10	0.28
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	2	0.28
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	5	0.28
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	18	0.28
(1,1046)	1:741:A:VAL:HG21	1:780:A:ILE:HB	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:735:A:LEU:HA	1:735:A:LEU:HD21	20	0.28
(1,971)	1:793:A:LEU:HB2	1:793:A:LEU:HD21	18	0.28
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	18	0.28
(1,936)	1:753:A:LEU:HD23	1:780:A:ILE:HD12	11	0.28
(1,909)	1:721:A:PRO:HG2	1:806:A:VAL:HG11	12	0.28
(1,841)	1:793:A:LEU:HG	1:757:A:ILE:HD11	1	0.28
(1,841)	1:793:A:LEU:HG	1:757:A:ILE:HD11	18	0.28
(1,841)	1:793:A:LEU:HG	1:757:A:ILE:HD11	19	0.28
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	9	0.28
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	13	0.28
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	5	0.28
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	6	0.28
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	20	0.28
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	9	0.28
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	14	0.28
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	20	0.28
(1,722)	1:750:A:PRO:HA	1:750:A:PRO:HB2	7	0.28
(1,722)	1:750:A:PRO:HA	1:750:A:PRO:HB2	19	0.28
(1,705)	1:799:A:LYS:HB2	1:799:A:LYS:HE3	6	0.28
(1,671)	1:730:A:ASP:HB2	1:732:A:LYS:HD2	2	0.28
(1,639)	1:795:A:LEU:HB2	1:808:A:LEU:HB2	13	0.28
(1,623)	1:733:A:LEU:HB2	1:737:A:ASP:HB3	5	0.28
(1,556)	1:736:A:GLY:HA2	1:735:A:LEU:HB2	9	0.28
(1,556)	1:736:A:GLY:HA2	1:735:A:LEU:HB2	14	0.28
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	14	0.28
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	2	0.28
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	1	0.28
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	2	0.28
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	3	0.28
(1,422)	1:808:A:LEU:HA	1:808:A:LEU:HD21	18	0.28
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	8	0.28
(1,362)	1:759:A:GLU:HA	1:759:A:GLU:HG2	1	0.28
(1,362)	1:759:A:GLU:HA	1:759:A:GLU:HG2	20	0.28
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	12	0.28
(1,297)	1:819:A:ARG:HA	1:735:A:LEU:HD11	10	0.28
(1,241)	1:774:A:LYS:HA	1:750:A:PRO:HD2	6	0.28
(1,188)	1:815:A:ILE:HA	1:731:A:LEU:HB2	15	0.28
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	8	0.28
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	14	0.28
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	17	0.28
(1,84)	1:783:A:PRO:HA	1:783:A:PRO:HB2	20	0.28
(1,78)	1:742:A:PRO:HA	1:779:A:VAL:HG11	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:762:A:SER:HB2	1:764:A:LYS:HG2	3	0.28
(1,2213)	1:726:A:LYS:HD2	1:726:A:LYS:HE3	5	0.27
(1,2213)	1:771:A:LYS:HE3	1:771:A:LYS:HD2	12	0.27
(1,2213)	1:771:A:LYS:HE3	1:771:A:LYS:HD2	13	0.27
(1,2213)	1:726:A:LYS:HD2	1:726:A:LYS:HE3	18	0.27
(1,2177)	1:781:A:LYS:HE3	1:781:A:LYS:HG2	5	0.27
(1,2166)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	15	0.27
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	18	0.27
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB3	20	0.27
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	5	0.27
(1,1913)	1:787:A:THR:H	1:785:A:PHE:HA	20	0.27
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	20	0.27
(1,1798)	1:800:A:ASP:H	1:721:A:PRO:HG3	6	0.27
(1,1782)	1:764:A:LYS:H	1:759:A:GLU:HB2	1	0.27
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	13	0.27
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	1	0.27
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	8	0.27
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	12	0.27
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	14	0.27
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	15	0.27
(1,1646)	1:732:A:LYS:H	1:732:A:LYS:HG3	2	0.27
(1,1599)	1:720:A:LYS:H	1:721:A:PRO:HD2	5	0.27
(1,1572)	1:759:A:GLU:H	1:759:A:GLU:HB2	11	0.27
(1,1546)	1:814:A:LYS:H	1:814:A:LYS:HG2	4	0.27
(1,1546)	1:814:A:LYS:H	1:814:A:LYS:HG2	6	0.27
(1,1546)	1:814:A:LYS:H	1:814:A:LYS:HG2	10	0.27
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	10	0.27
(1,1512)	1:789:A:GLY:H	1:817:A:VAL:HG11	8	0.27
(1,1471)	1:731:A:LEU:H	1:730:A:ASP:HB2	18	0.27
(1,1389)	1:734:A:CYS:H	1:733:A:LEU:HB2	16	0.27
(1,1239)	1:725:A:LEU:H	1:725:A:LEU:HG	3	0.27
(1,1239)	1:725:A:LEU:H	1:725:A:LEU:HG	19	0.27
(1,1187)	1:743:A:VAL:HG11	1:743:A:VAL:HA	4	0.27
(1,1154)	1:742:A:PRO:HD2	1:741:A:VAL:HB	17	0.27
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	6	0.27
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	16	0.27
(1,1103)	1:753:A:LEU:HB3	1:773:A:ILE:HG21	3	0.27
(1,1103)	1:753:A:LEU:HB3	1:773:A:ILE:HG21	14	0.27
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	17	0.27
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	7	0.27
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	14	0.27
(1,987)	1:735:A:LEU:HA	1:735:A:LEU:HD21	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	10	0.27
(1,932)	1:753:A:LEU:HB2	1:753:A:LEU:HD21	5	0.27
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	14	0.27
(1,780)	1:817:A:VAL:HB	1:816:A:GLN:HE22	12	0.27
(1,780)	1:817:A:VAL:HB	1:816:A:GLN:HE22	15	0.27
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	2	0.27
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	12	0.27
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	17	0.27
(1,722)	1:750:A:PRO:HA	1:750:A:PRO:HB2	16	0.27
(1,705)	1:799:A:LYS:HB2	1:799:A:LYS:HE3	5	0.27
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	10	0.27
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	20	0.27
(1,659)	1:790:A:ASP:HB3	1:760:A:THR:HA	6	0.27
(1,633)	1:778:A:TYR:HB3	1:777:A:GLU:HB2	6	0.27
(1,623)	1:733:A:LEU:HB2	1:737:A:ASP:HB3	14	0.27
(1,589)	1:751:A:PHE:HB3	1:773:A:ILE:HG21	11	0.27
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	14	0.27
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	20	0.27
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	3	0.27
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	4	0.27
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	5	0.27
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	16	0.27
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	1	0.27
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	5	0.27
(1,291)	1:772:A:GLU:HA	1:772:A:GLU:HB2	12	0.27
(1,278)	1:751:A:PHE:HA	1:800:A:ASP:HB3	7	0.27
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	3	0.27
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	10	0.27
(1,207)	1:785:A:PHE:HA	1:785:A:PHE:HD1	3	0.27
(1,188)	1:815:A:ILE:HA	1:731:A:LEU:HB2	14	0.27
(1,172)	1:758:A:ILE:HA	1:765:A:ARG:HG2	8	0.27
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	17	0.27
(1,2338)	1:727:A:LEU:H	1:725:A:LEU:HD11	8	0.26
(1,2302)	1:766:A:LYS:H	1:765:A:ARG:HG2	20	0.26
(1,2249)	1:779:A:VAL:HG21	1:781:A:LYS:HG3	19	0.26
(1,2229)	1:770:A:ILE:HG13	1:755:A:TYR:HE1	1	0.26
(1,2229)	1:770:A:ILE:HG13	1:755:A:TYR:HE1	8	0.26
(1,2213)	1:766:A:LYS:HD3	1:766:A:LYS:HE3	17	0.26
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	7	0.26
(1,2177)	1:781:A:LYS:HE3	1:781:A:LYS:HG2	20	0.26
(1,2174)	1:790:A:ASP:HB3	1:791:A:TYR:HA	2	0.26
(1,2171)	1:771:A:LYS:HE3	1:752:A:THR:HG21	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	14	0.26
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	18	0.26
(1,2121)	1:732:A:LYS:HA	1:732:A:LYS:HG2	8	0.26
(1,2121)	1:732:A:LYS:HA	1:732:A:LYS:HG2	12	0.26
(1,2084)	1:773:A:ILE:H	1:772:A:GLU:HB3	18	0.26
(1,2058)	1:816:A:GLN:HE21	1:732:A:LYS:HE2	8	0.26
(1,2058)	1:816:A:GLN:HE21	1:732:A:LYS:HE2	14	0.26
(1,1978)	1:816:A:GLN:HE22	1:818:A:ARG:HA	12	0.26
(1,1913)	1:787:A:THR:H	1:785:A:PHE:HA	17	0.26
(1,1908)	1:776:A:ASN:HD21	1:775:A:THR:HB	17	0.26
(1,1908)	1:776:A:ASN:HD21	1:775:A:THR:HB	18	0.26
(1,1840)	1:737:A:ASP:H	1:735:A:LEU:HB2	1	0.26
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	9	0.26
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	11	0.26
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	16	0.26
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	1	0.26
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	4	0.26
(1,1551)	1:745:A:LEU:H	1:776:A:ASN:HB2	18	0.26
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	4	0.26
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	14	0.26
(1,1516)	1:789:A:GLY:H	1:816:A:GLN:HE22	19	0.26
(1,1392)	1:751:A:PHE:H	1:773:A:ILE:HG12	12	0.26
(1,1392)	1:751:A:PHE:H	1:773:A:ILE:HG12	16	0.26
(1,1389)	1:734:A:CYS:H	1:733:A:LEU:HB2	3	0.26
(1,1187)	1:743:A:VAL:HG11	1:743:A:VAL:HA	2	0.26
(1,1187)	1:743:A:VAL:HG11	1:743:A:VAL:HA	5	0.26
(1,1187)	1:743:A:VAL:HG11	1:743:A:VAL:HA	12	0.26
(1,1187)	1:743:A:VAL:HG11	1:743:A:VAL:HA	17	0.26
(1,1180)	1:757:A:ILE:HG12	1:755:A:TYR:HD1	13	0.26
(1,1180)	1:757:A:ILE:HG12	1:755:A:TYR:HD1	19	0.26
(1,1172)	1:765:A:ARG:HB3	1:758:A:ILE:HG21	9	0.26
(1,1172)	1:765:A:ARG:HB3	1:758:A:ILE:HG21	17	0.26
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	8	0.26
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	3	0.26
(1,1103)	1:753:A:LEU:HB3	1:773:A:ILE:HG21	8	0.26
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	15	0.26
(1,1046)	1:741:A:VAL:HG21	1:780:A:ILE:HB	20	0.26
(1,1035)	1:817:A:VAL:HG11	1:733:A:LEU:HB3	12	0.26
(1,1028)	1:733:A:LEU:HB3	1:817:A:VAL:HG21	9	0.26
(1,987)	1:735:A:LEU:HA	1:735:A:LEU:HD21	12	0.26
(1,984)	1:737:A:ASP:HB3	1:733:A:LEU:HD11	3	0.26
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,909)	1:721:A:PRO:HG2	1:806:A:VAL:HG11	15	0.26
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	1	0.26
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	7	0.26
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	9	0.26
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	19	0.26
(1,723)	1:750:A:PRO:HB2	1:772:A:GLU:HA	6	0.26
(1,723)	1:750:A:PRO:HB2	1:772:A:GLU:HA	19	0.26
(1,722)	1:750:A:PRO:HA	1:750:A:PRO:HB2	18	0.26
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	1	0.26
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	9	0.26
(1,681)	1:757:A:ILE:HB	1:766:A:LYS:HB2	18	0.26
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	20	0.26
(1,623)	1:733:A:LEU:HB2	1:737:A:ASP:HB3	3	0.26
(1,565)	1:736:A:GLY:HA3	1:786:A:THR:HG21	3	0.26
(1,556)	1:736:A:GLY:HA2	1:735:A:LEU:HB2	7	0.26
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	5	0.26
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	11	0.26
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	2	0.26
(1,381)	1:765:A:ARG:HA	1:765:A:ARG:HG2	13	0.26
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	15	0.26
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	17	0.26
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	18	0.26
(1,289)	1:764:A:LYS:HA	1:759:A:GLU:HG2	9	0.26
(1,188)	1:815:A:ILE:HA	1:731:A:LEU:HB2	9	0.26
(1,28)	1:794:A:SER:HB2	1:796:A:VAL:HG21	18	0.26
(1,2338)	1:727:A:LEU:H	1:725:A:LEU:HD11	2	0.25
(1,2302)	1:766:A:LYS:H	1:765:A:ARG:HG2	6	0.25
(1,2287)	1:754:A:THR:H	1:753:A:LEU:H	13	0.25
(1,2287)	1:754:A:THR:H	1:753:A:LEU:H	18	0.25
(1,2213)	1:766:A:LYS:HE3	1:766:A:LYS:HD2	3	0.25
(1,2213)	1:726:A:LYS:HD2	1:726:A:LYS:HE3	9	0.25
(1,2213)	1:766:A:LYS:HE3	1:766:A:LYS:HD2	16	0.25
(1,2207)	1:819:A:ARG:HB3	1:819:A:ARG:HD2	6	0.25
(1,2207)	1:819:A:ARG:HB3	1:819:A:ARG:HD2	13	0.25
(1,2202)	1:742:A:PRO:HB3	1:726:A:LYS:HE2	18	0.25
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	5	0.25
(1,2177)	1:781:A:LYS:HE3	1:781:A:LYS:HG2	17	0.25
(1,2174)	1:790:A:ASP:HB3	1:791:A:TYR:HA	3	0.25
(1,2168)	1:735:A:LEU:HB3	1:819:A:ARG:HB2	10	0.25
(1,2144)	1:742:A:PRO:HD3	1:727:A:LEU:HD21	16	0.25
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	3	0.25
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	18	0.25
(1,1991)	1:793:A:LEU:H	1:758:A:ILE:HG12	12	0.25
(1,1991)	1:793:A:LEU:H	1:758:A:ILE:HG12	15	0.25
(1,1978)	1:816:A:GLN:HE22	1:818:A:ARG:HA	3	0.25
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	14	0.25
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	4	0.25
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	6	0.25
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	18	0.25
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	20	0.25
(1,1551)	1:745:A:LEU:H	1:776:A:ASN:HB2	5	0.25
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	16	0.25
(1,1506)	1:818:A:ARG:H	1:733:A:LEU:HB3	15	0.25
(1,1465)	1:799:A:LYS:H	1:798:A:ILE:HG13	12	0.25
(1,1389)	1:734:A:CYS:H	1:733:A:LEU:HB2	5	0.25
(1,1241)	1:725:A:LEU:H	1:725:A:LEU:HD11	5	0.25
(1,1187)	1:743:A:VAL:HG11	1:743:A:VAL:HA	6	0.25
(1,1187)	1:743:A:VAL:HG11	1:743:A:VAL:HA	10	0.25
(1,1187)	1:743:A:VAL:HG11	1:743:A:VAL:HA	18	0.25
(1,1187)	1:743:A:VAL:HG11	1:743:A:VAL:HA	19	0.25
(1,1180)	1:757:A:ILE:HG12	1:755:A:TYR:HD1	20	0.25
(1,1172)	1:765:A:ARG:HB3	1:758:A:ILE:HG21	2	0.25
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	11	0.25
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	7	0.25
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	10	0.25
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	11	0.25
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	14	0.25
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	15	0.25
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	18	0.25
(1,1070)	1:731:A:LEU:HB2	1:815:A:ILE:HG21	14	0.25
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	9	0.25
(1,984)	1:737:A:ASP:HB3	1:733:A:LEU:HD11	5	0.25
(1,984)	1:737:A:ASP:HB3	1:733:A:LEU:HD11	9	0.25
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	16	0.25
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	11	0.25
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	5	0.25
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	17	0.25
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	10	0.25
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	20	0.25
(1,711)	1:777:A:GLU:HG2	1:744:A:ALA:HA	13	0.25
(1,709)	1:777:A:GLU:HG2	1:777:A:GLU:HA	14	0.25
(1,705)	1:799:A:LYS:HB2	1:799:A:LYS:HE3	17	0.25
(1,623)	1:733:A:LEU:HB2	1:737:A:ASP:HB3	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,606)	1:765:A:ARG:HD2	1:758:A:ILE:HD11	6	0.25
(1,604)	1:819:A:ARG:HD3	1:735:A:LEU:HD11	7	0.25
(1,556)	1:736:A:GLY:HA2	1:735:A:LEU:HB2	4	0.25
(1,556)	1:736:A:GLY:HA2	1:735:A:LEU:HB2	5	0.25
(1,508)	1:813:A:ALA:HA	1:793:A:LEU:HB2	8	0.25
(1,392)	1:776:A:ASN:HA	1:776:A:ASN:HB2	20	0.25
(1,278)	1:751:A:PHE:HA	1:800:A:ASP:HB3	18	0.25
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	13	0.25
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	15	0.25
(1,188)	1:815:A:ILE:HA	1:731:A:LEU:HB2	10	0.25
(1,188)	1:815:A:ILE:HA	1:731:A:LEU:HB2	16	0.25
(1,176)	1:815:A:ILE:HA	1:731:A:LEU:HB3	6	0.25
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	16	0.25
(1,91)	1:750:A:PRO:HA	1:772:A:GLU:HB2	3	0.25
(1,46)	1:740:A:SER:HB2	1:779:A:VAL:HG21	16	0.25
(1,1)	1:752:A:THR:HB	1:799:A:LYS:HA	4	0.25
(1,2321)	1:764:A:LYS:H	1:763:A:SER:HB2	7	0.24
(1,2299)	1:778:A:TYR:H	1:743:A:VAL:HG11	19	0.24
(1,2244)	1:781:A:LYS:HG3	1:738:A:HIS:HD2	8	0.24
(1,2241)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	14	0.24
(1,2229)	1:770:A:ILE:HG13	1:755:A:TYR:HE1	5	0.24
(1,2213)	1:726:A:LYS:HD2	1:726:A:LYS:HE3	2	0.24
(1,2213)	1:766:A:LYS:HD3	1:766:A:LYS:HE3	6	0.24
(1,2194)	1:771:A:LYS:HB2	1:771:A:LYS:HE2	13	0.24
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	6	0.24
(1,2171)	1:771:A:LYS:HE3	1:752:A:THR:HG21	7	0.24
(1,2171)	1:771:A:LYS:HE3	1:752:A:THR:HG21	18	0.24
(1,2150)	1:819:A:ARG:HD2	1:787:A:THR:HA	15	0.24
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	5	0.24
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	14	0.24
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	3	0.24
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	8	0.24
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	20	0.24
(1,2058)	1:816:A:GLN:HE21	1:732:A:LYS:HE2	15	0.24
(1,2054)	1:785:A:PHE:H	1:736:A:GLY:HA3	4	0.24
(1,2047)	1:740:A:SER:H	1:782:A:THR:HG21	16	0.24
(1,1978)	1:816:A:GLN:HE22	1:818:A:ARG:HA	19	0.24
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	4	0.24
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	5	0.24
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	13	0.24
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	19	0.24
(1,1908)	1:776:A:ASN:HD21	1:775:A:THR:HB	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	2	0.24
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	5	0.24
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	2	0.24
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	10	0.24
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	13	0.24
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	17	0.24
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	13	0.24
(1,1646)	1:732:A:LYS:H	1:732:A:LYS:HG3	19	0.24
(1,1610)	1:720:A:LYS:H	1:719:A:VAL:HB	3	0.24
(1,1610)	1:720:A:LYS:H	1:719:A:VAL:HB	14	0.24
(1,1599)	1:720:A:LYS:H	1:721:A:PRO:HD2	9	0.24
(1,1598)	1:720:A:LYS:H	1:718:A:ARG:HA	6	0.24
(1,1598)	1:720:A:LYS:H	1:718:A:ARG:HA	16	0.24
(1,1581)	1:765:A:ARG:H	1:759:A:GLU:HG2	12	0.24
(1,1572)	1:759:A:GLU:H	1:759:A:GLU:HB2	6	0.24
(1,1572)	1:759:A:GLU:H	1:759:A:GLU:HB2	19	0.24
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	8	0.24
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	5	0.24
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	13	0.24
(1,1465)	1:799:A:LYS:H	1:798:A:ILE:HG13	16	0.24
(1,1399)	1:736:A:GLY:H	1:735:A:LEU:HB2	18	0.24
(1,1322)	1:757:A:ILE:H	1:756:A:ASP:HB3	17	0.24
(1,1241)	1:725:A:LEU:H	1:725:A:LEU:HD11	12	0.24
(1,1187)	1:743:A:VAL:HG11	1:743:A:VAL:HA	3	0.24
(1,1187)	1:743:A:VAL:HG11	1:743:A:VAL:HA	7	0.24
(1,1187)	1:743:A:VAL:HG11	1:743:A:VAL:HA	8	0.24
(1,1187)	1:743:A:VAL:HG11	1:743:A:VAL:HA	20	0.24
(1,1180)	1:757:A:ILE:HG12	1:755:A:TYR:HD1	1	0.24
(1,1172)	1:765:A:ARG:HB3	1:758:A:ILE:HG21	8	0.24
(1,1172)	1:765:A:ARG:HB3	1:758:A:ILE:HG21	11	0.24
(1,1172)	1:765:A:ARG:HB3	1:758:A:ILE:HG21	13	0.24
(1,1172)	1:765:A:ARG:HB3	1:758:A:ILE:HG21	16	0.24
(1,1154)	1:742:A:PRO:HD2	1:741:A:VAL:HB	7	0.24
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	8	0.24
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	13	0.24
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	20	0.24
(1,1103)	1:753:A:LEU:HB3	1:773:A:ILE:HG21	10	0.24
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	7	0.24
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	18	0.24
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	3	0.24
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	8	0.24
(1,1002)	1:753:A:LEU:HD11	1:798:A:ILE:HG12	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:737:A:ASP:HB3	1:733:A:LEU:HD11	16	0.24
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	4	0.24
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	8	0.24
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	17	0.24
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	20	0.24
(1,933)	1:753:A:LEU:HG	1:753:A:LEU:HD21	1	0.24
(1,933)	1:753:A:LEU:HG	1:753:A:LEU:HD21	2	0.24
(1,933)	1:753:A:LEU:HG	1:753:A:LEU:HD21	4	0.24
(1,933)	1:753:A:LEU:HG	1:753:A:LEU:HD21	6	0.24
(1,933)	1:753:A:LEU:HG	1:753:A:LEU:HD21	15	0.24
(1,933)	1:753:A:LEU:HG	1:753:A:LEU:HD21	17	0.24
(1,933)	1:753:A:LEU:HG	1:753:A:LEU:HD21	19	0.24
(1,933)	1:753:A:LEU:HG	1:753:A:LEU:HD21	20	0.24
(1,930)	1:795:A:LEU:HA	1:795:A:LEU:HD11	4	0.24
(1,930)	1:795:A:LEU:HA	1:795:A:LEU:HD11	16	0.24
(1,909)	1:721:A:PRO:HG2	1:806:A:VAL:HG11	8	0.24
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	2	0.24
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	3	0.24
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	13	0.24
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	15	0.24
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	18	0.24
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	4	0.24
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	8	0.24
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	14	0.24
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	15	0.24
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	7	0.24
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	10	0.24
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	11	0.24
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	14	0.24
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	18	0.24
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	19	0.24
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	12	0.24
(1,780)	1:817:A:VAL:HB	1:816:A:GLN:HE22	19	0.24
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	17	0.24
(1,722)	1:750:A:PRO:HA	1:750:A:PRO:HB2	12	0.24
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	3	0.24
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	7	0.24
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	8	0.24
(1,669)	1:730:A:ASP:HB2	1:815:A:ILE:HA	17	0.24
(1,647)	1:766:A:LYS:HE2	1:766:A:LYS:HG3	5	0.24
(1,639)	1:795:A:LEU:HB2	1:808:A:LEU:HB2	11	0.24
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,623)	1:733:A:LEU:HB2	1:737:A:ASP:HB3	10	0.24
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	6	0.24
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	5	0.24
(1,429)	1:818:A:ARG:HA	1:818:A:ARG:HD2	12	0.24
(1,425)	1:727:A:LEU:HA	1:742:A:PRO:HD3	3	0.24
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	19	0.24
(1,241)	1:774:A:LYS:HA	1:750:A:PRO:HD2	11	0.24
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	2	0.24
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	8	0.24
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	4	0.24
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	15	0.24
(1,79)	1:742:A:PRO:HA	1:779:A:VAL:HG21	19	0.24
(1,2338)	1:727:A:LEU:H	1:725:A:LEU:HD11	7	0.23
(1,2338)	1:727:A:LEU:H	1:727:A:LEU:HD11	14	0.23
(1,2338)	1:727:A:LEU:H	1:727:A:LEU:HD11	16	0.23
(1,2303)	1:766:A:LYS:H	1:757:A:ILE:HG21	15	0.23
(1,2302)	1:766:A:LYS:H	1:765:A:ARG:HG2	18	0.23
(1,2287)	1:755:A:TYR:H	1:754:A:THR:H	1	0.23
(1,2287)	1:755:A:TYR:H	1:754:A:THR:H	2	0.23
(1,2287)	1:754:A:THR:H	1:753:A:LEU:H	12	0.23
(1,2287)	1:754:A:THR:H	1:753:A:LEU:H	20	0.23
(1,2282)	1:794:A:SER:H	1:758:A:ILE:HG13	2	0.23
(1,2282)	1:794:A:SER:H	1:758:A:ILE:HG13	14	0.23
(1,2212)	1:766:A:LYS:HD3	1:766:A:LYS:HA	11	0.23
(1,2207)	1:819:A:ARG:HB3	1:819:A:ARG:HD3	14	0.23
(1,2174)	1:790:A:ASP:HB3	1:791:A:TYR:HA	4	0.23
(1,2171)	1:771:A:LYS:HE3	1:752:A:THR:HG21	2	0.23
(1,2171)	1:771:A:LYS:HE3	1:752:A:THR:HG21	8	0.23
(1,2168)	1:735:A:LEU:HB3	1:819:A:ARG:HB3	4	0.23
(1,2153)	1:819:A:ARG:HD2	1:819:A:ARG:HA	11	0.23
(1,2150)	1:819:A:ARG:HD2	1:787:A:THR:HA	13	0.23
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	16	0.23
(1,2135)	1:781:A:LYS:HA	1:781:A:LYS:HB3	18	0.23
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	3	0.23
(1,2121)	1:732:A:LYS:HA	1:732:A:LYS:HG2	3	0.23
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	2	0.23
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	15	0.23
(1,2099)	1:805:A:VAL:HA	1:799:A:LYS:HG3	20	0.23
(1,2047)	1:740:A:SER:H	1:782:A:THR:HG21	18	0.23
(1,1978)	1:816:A:GLN:HE22	1:818:A:ARG:HA	4	0.23
(1,1978)	1:816:A:GLN:HE22	1:818:A:ARG:HA	15	0.23
(1,1978)	1:816:A:GLN:HE22	1:818:A:ARG:HA	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1929)	1:810:A:GLN:HE21	1:810:A:GLN:HA	7	0.23
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	7	0.23
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	11	0.23
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	16	0.23
(1,1913)	1:787:A:THR:H	1:785:A:PHE:HA	15	0.23
(1,1908)	1:776:A:ASN:HD21	1:775:A:THR:HB	4	0.23
(1,1908)	1:776:A:ASN:HD21	1:775:A:THR:HB	6	0.23
(1,1908)	1:776:A:ASN:HD21	1:775:A:THR:HB	11	0.23
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	5	0.23
(1,1712)	1:719:A:VAL:H	1:720:A:LYS:HA	10	0.23
(1,1684)	1:769:A:GLU:H	1:769:A:GLU:HB2	19	0.23
(1,1646)	1:732:A:LYS:H	1:732:A:LYS:HG3	4	0.23
(1,1599)	1:720:A:LYS:H	1:721:A:PRO:HD2	11	0.23
(1,1581)	1:765:A:ARG:H	1:759:A:GLU:HG2	18	0.23
(1,1572)	1:759:A:GLU:H	1:759:A:GLU:HB2	20	0.23
(1,1546)	1:814:A:LYS:H	1:814:A:LYS:HG2	14	0.23
(1,1546)	1:814:A:LYS:H	1:814:A:LYS:HG2	19	0.23
(1,1399)	1:736:A:GLY:H	1:735:A:LEU:HB2	7	0.23
(1,1389)	1:734:A:CYS:H	1:733:A:LEU:HB2	1	0.23
(1,1241)	1:725:A:LEU:H	1:725:A:LEU:HD11	2	0.23
(1,1187)	1:743:A:VAL:HG11	1:743:A:VAL:HA	9	0.23
(1,1187)	1:743:A:VAL:HG11	1:743:A:VAL:HA	15	0.23
(1,1180)	1:757:A:ILE:HG12	1:755:A:TYR:HD1	6	0.23
(1,1070)	1:731:A:LEU:HB2	1:815:A:ILE:HG21	7	0.23
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	7	0.23
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	14	0.23
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	12	0.23
(1,1047)	1:744:A:ALA:HB1	1:726:A:LYS:HE2	20	0.23
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	13	0.23
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	13	0.23
(1,1028)	1:733:A:LEU:HB3	1:817:A:VAL:HG21	10	0.23
(1,987)	1:735:A:LEU:HA	1:735:A:LEU:HD21	3	0.23
(1,982)	1:733:A:LEU:HD11	1:732:A:LYS:HA	7	0.23
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	15	0.23
(1,904)	1:815:A:ILE:HA	1:731:A:LEU:HG	19	0.23
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	1	0.23
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	4	0.23
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	5	0.23
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	6	0.23
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	7	0.23
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	8	0.23
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	10	0.23
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	11	0.23
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	12	0.23
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	14	0.23
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	16	0.23
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	17	0.23
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	19	0.23
(1,847)	1:780:A:ILE:HB	1:780:A:ILE:HG12	20	0.23
(1,792)	1:729:A:HIS:HB3	1:729:A:HIS:HD2	8	0.23
(1,789)	1:720:A:LYS:HB2	1:806:A:VAL:HG11	10	0.23
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	1	0.23
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	6	0.23
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	12	0.23
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	3	0.23
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	5	0.23
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	13	0.23
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	2	0.23
(1,780)	1:817:A:VAL:HB	1:816:A:GLN:HE22	17	0.23
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	4	0.23
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	11	0.23
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	14	0.23
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	7	0.23
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	3	0.23
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	15	0.23
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	19	0.23
(1,720)	1:743:A:VAL:HB	1:745:A:LEU:HD11	4	0.23
(1,705)	1:799:A:LYS:HB2	1:799:A:LYS:HE3	16	0.23
(1,623)	1:733:A:LEU:HB2	1:737:A:ASP:HB3	20	0.23
(1,616)	1:818:A:ARG:HD2	1:818:A:ARG:HB2	2	0.23
(1,616)	1:818:A:ARG:HD2	1:818:A:ARG:HB2	15	0.23
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	18	0.23
(1,556)	1:736:A:GLY:HA2	1:735:A:LEU:HB2	18	0.23
(1,518)	1:811:A:PRO:HD3	1:810:A:GLN:HG3	7	0.23
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	20	0.23
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	16	0.23
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	1	0.23
(1,474)	1:800:A:ASP:HA	1:800:A:ASP:HB3	1	0.23
(1,474)	1:800:A:ASP:HA	1:800:A:ASP:HB3	18	0.23
(1,474)	1:800:A:ASP:HA	1:800:A:ASP:HB3	19	0.23
(1,398)	1:731:A:LEU:HA	1:731:A:LEU:HD21	5	0.23
(1,398)	1:731:A:LEU:HA	1:731:A:LEU:HD21	9	0.23
(1,398)	1:731:A:LEU:HA	1:731:A:LEU:HD21	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:731:A:LEU:HA	1:731:A:LEU:HD21	13	0.23
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	16	0.23
(1,323)	1:795:A:LEU:HA	1:795:A:LEU:HG	10	0.23
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	13	0.23
(1,176)	1:815:A:ILE:HA	1:731:A:LEU:HB3	12	0.23
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	19	0.23
(1,91)	1:750:A:PRO:HA	1:772:A:GLU:HB2	8	0.23
(1,78)	1:742:A:PRO:HA	1:779:A:VAL:HG11	20	0.23
(1,2338)	1:727:A:LEU:H	1:725:A:LEU:HD11	18	0.22
(1,2321)	1:764:A:LYS:H	1:763:A:SER:HB2	15	0.22
(1,2307)	1:771:A:LYS:H	1:771:A:LYS:HD3	10	0.22
(1,2299)	1:778:A:TYR:H	1:743:A:VAL:HG11	4	0.22
(1,2287)	1:754:A:THR:H	1:753:A:LEU:H	19	0.22
(1,2276)	1:753:A:LEU:H	1:798:A:ILE:HD11	16	0.22
(1,2261)	1:795:A:LEU:HD13	1:724:A:SER:HA	1	0.22
(1,2244)	1:781:A:LYS:HG3	1:738:A:HIS:HD2	1	0.22
(1,2244)	1:781:A:LYS:HG3	1:738:A:HIS:HD2	12	0.22
(1,2244)	1:781:A:LYS:HG3	1:738:A:HIS:HD2	20	0.22
(1,2239)	1:771:A:LYS:HE2	1:771:A:LYS:HG2	17	0.22
(1,2213)	1:771:A:LYS:HE3	1:771:A:LYS:HD2	11	0.22
(1,2212)	1:766:A:LYS:HD3	1:766:A:LYS:HA	13	0.22
(1,2194)	1:771:A:LYS:HB2	1:771:A:LYS:HE2	12	0.22
(1,2174)	1:790:A:ASP:HB3	1:791:A:TYR:HA	9	0.22
(1,2171)	1:771:A:LYS:HE3	1:752:A:THR:HG21	4	0.22
(1,2168)	1:735:A:LEU:HB3	1:819:A:ARG:HB3	7	0.22
(1,2166)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	3	0.22
(1,2150)	1:819:A:ARG:HD2	1:787:A:THR:HA	17	0.22
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	13	0.22
(1,2119)	1:814:A:LYS:HA	1:814:A:LYS:HB2	1	0.22
(1,2117)	1:819:A:ARG:HA	1:819:A:ARG:HB3	2	0.22
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	1	0.22
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	3	0.22
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	10	0.22
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	12	0.22
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	14	0.22
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	11	0.22
(1,1991)	1:793:A:LEU:H	1:758:A:ILE:HG12	1	0.22
(1,1991)	1:793:A:LEU:H	1:758:A:ILE:HG12	17	0.22
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	2	0.22
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	3	0.22
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	12	0.22
(1,1908)	1:776:A:ASN:HD21	1:775:A:THR:HB	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1879)	1:808:A:LEU:H	1:808:A:LEU:HD11	18	0.22
(1,1828)	1:785:A:PHE:H	1:784:A:VAL:HG11	4	0.22
(1,1785)	1:764:A:LYS:H	1:764:A:LYS:HG2	1	0.22
(1,1783)	1:772:A:GLU:H	1:771:A:LYS:HB2	12	0.22
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	16	0.22
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	16	0.22
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	12	0.22
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	19	0.22
(1,1610)	1:720:A:LYS:H	1:719:A:VAL:HB	2	0.22
(1,1572)	1:759:A:GLU:H	1:759:A:GLU:HB2	1	0.22
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	1	0.22
(1,1546)	1:814:A:LYS:H	1:814:A:LYS:HG2	17	0.22
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	4	0.22
(1,1532)	1:778:A:TYR:H	1:744:A:ALA:H	11	0.22
(1,1389)	1:734:A:CYS:H	1:733:A:LEU:HB2	9	0.22
(1,1326)	1:794:A:SER:H	1:793:A:LEU:HG	14	0.22
(1,1274)	1:741:A:VAL:H	1:741:A:VAL:HG11	20	0.22
(1,1241)	1:725:A:LEU:H	1:725:A:LEU:HD11	9	0.22
(1,1241)	1:725:A:LEU:H	1:725:A:LEU:HD11	18	0.22
(1,1111)	1:793:A:LEU:HB3	1:815:A:ILE:HD11	13	0.22
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	13	0.22
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	7	0.22
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	12	0.22
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	17	0.22
(1,1026)	1:779:A:VAL:HG21	1:742:A:PRO:HG2	17	0.22
(1,984)	1:737:A:ASP:HB3	1:733:A:LEU:HD11	14	0.22
(1,982)	1:733:A:LEU:HD11	1:732:A:LYS:HA	15	0.22
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	3	0.22
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	11	0.22
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	16	0.22
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	13	0.22
(1,930)	1:795:A:LEU:HA	1:795:A:LEU:HD11	12	0.22
(1,904)	1:815:A:ILE:HA	1:731:A:LEU:HG	5	0.22
(1,904)	1:815:A:ILE:HA	1:731:A:LEU:HG	9	0.22
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	19	0.22
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	3	0.22
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	16	0.22
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	18	0.22
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	2	0.22
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	15	0.22
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	20	0.22
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	17	0.22
(1,780)	1:817:A:VAL:HB	1:816:A:GLN:HE22	2	0.22
(1,780)	1:817:A:VAL:HB	1:816:A:GLN:HE22	4	0.22
(1,780)	1:817:A:VAL:HB	1:816:A:GLN:HE22	9	0.22
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	8	0.22
(1,705)	1:799:A:LYS:HB2	1:799:A:LYS:HE3	13	0.22
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	6	0.22
(1,659)	1:790:A:ASP:HB3	1:760:A:THR:HA	10	0.22
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	17	0.22
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	11	0.22
(1,474)	1:800:A:ASP:HA	1:800:A:ASP:HB3	2	0.22
(1,474)	1:800:A:ASP:HA	1:800:A:ASP:HB3	3	0.22
(1,474)	1:800:A:ASP:HA	1:800:A:ASP:HB3	4	0.22
(1,474)	1:800:A:ASP:HA	1:800:A:ASP:HB3	5	0.22
(1,474)	1:800:A:ASP:HA	1:800:A:ASP:HB3	6	0.22
(1,474)	1:800:A:ASP:HA	1:800:A:ASP:HB3	7	0.22
(1,474)	1:800:A:ASP:HA	1:800:A:ASP:HB3	10	0.22
(1,474)	1:800:A:ASP:HA	1:800:A:ASP:HB3	11	0.22
(1,474)	1:800:A:ASP:HA	1:800:A:ASP:HB3	12	0.22
(1,474)	1:800:A:ASP:HA	1:800:A:ASP:HB3	13	0.22
(1,474)	1:800:A:ASP:HA	1:800:A:ASP:HB3	14	0.22
(1,474)	1:800:A:ASP:HA	1:800:A:ASP:HB3	16	0.22
(1,474)	1:800:A:ASP:HA	1:800:A:ASP:HB3	20	0.22
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	13	0.22
(1,323)	1:795:A:LEU:HA	1:795:A:LEU:HG	7	0.22
(1,323)	1:795:A:LEU:HA	1:795:A:LEU:HG	8	0.22
(1,323)	1:795:A:LEU:HA	1:795:A:LEU:HG	11	0.22
(1,323)	1:795:A:LEU:HA	1:795:A:LEU:HG	17	0.22
(1,323)	1:795:A:LEU:HA	1:795:A:LEU:HG	18	0.22
(1,279)	1:751:A:PHE:HA	1:799:A:LYS:HB2	17	0.22
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	5	0.22
(1,188)	1:815:A:ILE:HA	1:731:A:LEU:HB2	3	0.22
(1,176)	1:815:A:ILE:HA	1:731:A:LEU:HB3	1	0.22
(1,176)	1:815:A:ILE:HA	1:731:A:LEU:HB3	8	0.22
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	1	0.22
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	2	0.22
(1,133)	1:817:A:VAL:HA	1:817:A:VAL:HG11	2	0.22
(1,111)	1:787:A:THR:HA	1:735:A:LEU:HD21	8	0.22
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	3	0.22
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	4	0.21
(1,2323)	1:800:A:ASP:H	1:799:A:LYS:HB3	1	0.21
(1,2287)	1:754:A:THR:H	1:753:A:LEU:H	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2287)	1:755:A:TYR:H	1:754:A:THR:H	6	0.21
(1,2287)	1:755:A:TYR:H	1:754:A:THR:H	15	0.21
(1,2271)	1:795:A:LEU:H	1:795:A:LEU:HD11	4	0.21
(1,2244)	1:781:A:LYS:HG3	1:738:A:HIS:HD2	15	0.21
(1,2239)	1:771:A:LYS:HE2	1:771:A:LYS:HG2	4	0.21
(1,2239)	1:771:A:LYS:HE2	1:771:A:LYS:HG2	5	0.21
(1,2213)	1:771:A:LYS:HE3	1:771:A:LYS:HD2	15	0.21
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	17	0.21
(1,2180)	1:785:A:PHE:HB2	1:817:A:VAL:HG21	8	0.21
(1,2174)	1:790:A:ASP:HB3	1:791:A:TYR:HA	16	0.21
(1,2174)	1:790:A:ASP:HB3	1:791:A:TYR:HA	17	0.21
(1,2173)	1:791:A:TYR:HB2	1:815:A:ILE:HD11	3	0.21
(1,2173)	1:791:A:TYR:HB2	1:815:A:ILE:HD11	15	0.21
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	13	0.21
(1,2153)	1:819:A:ARG:HD2	1:819:A:ARG:HA	20	0.21
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	17	0.21
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	19	0.21
(1,2121)	1:732:A:LYS:HA	1:732:A:LYS:HG2	1	0.21
(1,2121)	1:732:A:LYS:HA	1:732:A:LYS:HG2	13	0.21
(1,2117)	1:819:A:ARG:HA	1:819:A:ARG:HB3	16	0.21
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	7	0.21
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	19	0.21
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	12	0.21
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	18	0.21
(1,1991)	1:793:A:LEU:H	1:758:A:ILE:HG12	16	0.21
(1,1976)	1:748:A:GLN:HE22	1:746:A:LYS:HG2	10	0.21
(1,1947)	1:762:A:SER:H	1:759:A:GLU:HB3	17	0.21
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	8	0.21
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	10	0.21
(1,1908)	1:776:A:ASN:HD21	1:775:A:THR:HB	10	0.21
(1,1908)	1:776:A:ASN:HD21	1:775:A:THR:HB	16	0.21
(1,1782)	1:764:A:LYS:H	1:759:A:GLU:HB2	20	0.21
(1,1749)	1:740:A:SER:H	1:733:A:LEU:HD21	12	0.21
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	13	0.21
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	1	0.21
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	6	0.21
(1,1610)	1:720:A:LYS:H	1:719:A:VAL:HB	9	0.21
(1,1598)	1:720:A:LYS:H	1:718:A:ARG:HA	5	0.21
(1,1598)	1:720:A:LYS:H	1:718:A:ARG:HA	11	0.21
(1,1598)	1:720:A:LYS:H	1:718:A:ARG:HA	12	0.21
(1,1598)	1:720:A:LYS:H	1:718:A:ARG:HA	13	0.21
(1,1581)	1:765:A:ARG:H	1:759:A:GLU:HG2	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1581)	1:765:A:ARG:H	1:759:A:GLU:HG2	13	0.21
(1,1576)	1:759:A:GLU:H	1:758:A:ILE:HG21	11	0.21
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	15	0.21
(1,1426)	1:815:A:ILE:H	1:814:A:LYS:HB2	9	0.21
(1,1392)	1:751:A:PHE:H	1:773:A:ILE:HG12	5	0.21
(1,1351)	1:788:A:GLY:H	1:818:A:ARG:HA	13	0.21
(1,1351)	1:788:A:GLY:H	1:818:A:ARG:HA	20	0.21
(1,1322)	1:757:A:ILE:H	1:756:A:ASP:HB3	15	0.21
(1,1241)	1:725:A:LEU:H	1:725:A:LEU:HD11	7	0.21
(1,1241)	1:725:A:LEU:H	1:725:A:LEU:HD11	10	0.21
(1,1241)	1:725:A:LEU:H	1:725:A:LEU:HD11	16	0.21
(1,1180)	1:757:A:ILE:HG12	1:755:A:TYR:HD1	5	0.21
(1,1180)	1:757:A:ILE:HG12	1:755:A:TYR:HD1	12	0.21
(1,1172)	1:765:A:ARG:HB3	1:758:A:ILE:HG21	7	0.21
(1,1154)	1:742:A:PRO:HD2	1:741:A:VAL:HB	6	0.21
(1,1154)	1:742:A:PRO:HD2	1:741:A:VAL:HB	14	0.21
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	1	0.21
(1,1118)	1:780:A:ILE:HG21	1:780:A:ILE:HD11	1	0.21
(1,1103)	1:753:A:LEU:HB3	1:773:A:ILE:HG21	11	0.21
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	12	0.21
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	11	0.21
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	10	0.21
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	2	0.21
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	7	0.21
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	9	0.21
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	10	0.21
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	15	0.21
(1,980)	1:799:A:LYS:HG3	1:805:A:VAL:HG11	12	0.21
(1,924)	1:793:A:LEU:HD11	1:757:A:ILE:HD11	6	0.21
(1,924)	1:793:A:LEU:HD11	1:757:A:ILE:HD11	19	0.21
(1,904)	1:815:A:ILE:HA	1:731:A:LEU:HG	10	0.21
(1,904)	1:815:A:ILE:HA	1:731:A:LEU:HG	13	0.21
(1,904)	1:815:A:ILE:HA	1:731:A:LEU:HG	14	0.21
(1,904)	1:815:A:ILE:HA	1:731:A:LEU:HG	16	0.21
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	9	0.21
(1,807)	1:819:A:ARG:HA	1:819:A:ARG:HB3	9	0.21
(1,807)	1:819:A:ARG:HA	1:819:A:ARG:HB3	11	0.21
(1,807)	1:819:A:ARG:HA	1:819:A:ARG:HB3	17	0.21
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	7	0.21
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	8	0.21
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	12	0.21
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	17	0.21
(1,782)	1:788:A:GLY:HA3	1:817:A:VAL:HB	18	0.21
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	7	0.21
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	11	0.21
(1,719)	1:743:A:VAL:HB	1:725:A:LEU:HD21	11	0.21
(1,705)	1:799:A:LYS:HB2	1:799:A:LYS:HE3	18	0.21
(1,681)	1:757:A:ILE:HB	1:766:A:LYS:HB2	12	0.21
(1,681)	1:757:A:ILE:HB	1:766:A:LYS:HB2	19	0.21
(1,623)	1:733:A:LEU:HB2	1:737:A:ASP:HB3	17	0.21
(1,616)	1:818:A:ARG:HD2	1:818:A:ARG:HB2	10	0.21
(1,572)	1:756:A:ASP:HB3	1:765:A:ARG:HD3	8	0.21
(1,556)	1:736:A:GLY:HA2	1:735:A:LEU:HB2	8	0.21
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	4	0.21
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	7	0.21
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	13	0.21
(1,297)	1:819:A:ARG:HA	1:735:A:LEU:HD11	13	0.21
(1,279)	1:751:A:PHE:HA	1:799:A:LYS:HB2	6	0.21
(1,278)	1:751:A:PHE:HA	1:800:A:ASP:HB3	14	0.21
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	8	0.21
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	18	0.21
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	3	0.21
(1,207)	1:785:A:PHE:HA	1:785:A:PHE:HD1	1	0.21
(1,176)	1:815:A:ILE:HA	1:731:A:LEU:HB3	18	0.21
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	16	0.21
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	7	0.21
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	12	0.21
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	13	0.21
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	14	0.21
(1,121)	1:779:A:VAL:HA	1:779:A:VAL:HG11	9	0.21
(1,98)	1:786:A:THR:HA	1:735:A:LEU:HB2	8	0.21
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	12	0.2
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	20	0.2
(1,2321)	1:764:A:LYS:H	1:763:A:SER:HB2	10	0.2
(1,2320)	1:801:A:SER:H	1:801:A:SER:HB3	9	0.2
(1,2246)	1:727:A:LEU:HB2	1:727:A:LEU:HD21	4	0.2
(1,2244)	1:781:A:LYS:HG3	1:738:A:HIS:HD2	11	0.2
(1,2239)	1:771:A:LYS:HE2	1:771:A:LYS:HG2	14	0.2
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	18	0.2
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	19	0.2
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	7	0.2
(1,2153)	1:819:A:ARG:HD2	1:819:A:ARG:HA	10	0.2
(1,2151)	1:718:A:ARG:HA	1:718:A:ARG:HD2	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	4	0.2
(1,2121)	1:732:A:LYS:HA	1:732:A:LYS:HG2	2	0.2
(1,2121)	1:732:A:LYS:HA	1:732:A:LYS:HG2	6	0.2
(1,2121)	1:732:A:LYS:HA	1:732:A:LYS:HG2	19	0.2
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	5	0.2
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	9	0.2
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB3	7	0.2
(1,1995)	1:788:A:GLY:H	1:735:A:LEU:HD21	17	0.2
(1,1929)	1:810:A:GLN:HE21	1:810:A:GLN:HA	18	0.2
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	1	0.2
(1,1908)	1:776:A:ASN:HD21	1:775:A:THR:HB	12	0.2
(1,1893)	1:777:A:GLU:H	1:776:A:ASN:HB3	11	0.2
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	7	0.2
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	8	0.2
(1,1610)	1:720:A:LYS:H	1:719:A:VAL:HB	17	0.2
(1,1598)	1:720:A:LYS:H	1:718:A:ARG:HA	19	0.2
(1,1581)	1:765:A:ARG:H	1:759:A:GLU:HG2	2	0.2
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	2	0.2
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	8	0.2
(1,1505)	1:818:A:ARG:H	1:818:A:ARG:HB3	12	0.2
(1,1505)	1:818:A:ARG:H	1:818:A:ARG:HB3	15	0.2
(1,1426)	1:815:A:ILE:H	1:814:A:LYS:HB2	14	0.2
(1,1426)	1:815:A:ILE:H	1:814:A:LYS:HB2	18	0.2
(1,1399)	1:736:A:GLY:H	1:735:A:LEU:HB2	5	0.2
(1,1392)	1:751:A:PHE:H	1:773:A:ILE:HG12	14	0.2
(1,1351)	1:788:A:GLY:H	1:818:A:ARG:HA	1	0.2
(1,1351)	1:788:A:GLY:H	1:818:A:ARG:HA	4	0.2
(1,1326)	1:794:A:SER:H	1:793:A:LEU:HG	12	0.2
(1,1257)	1:770:A:ILE:H	1:770:A:ILE:HG21	13	0.2
(1,1257)	1:770:A:ILE:H	1:770:A:ILE:HG21	16	0.2
(1,1241)	1:725:A:LEU:H	1:725:A:LEU:HD11	8	0.2
(1,1241)	1:725:A:LEU:H	1:725:A:LEU:HD11	17	0.2
(1,1228)	1:768:A:PHE:H	1:768:A:PHE:HD1	3	0.2
(1,1172)	1:765:A:ARG:HB3	1:758:A:ILE:HG21	14	0.2
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	5	0.2
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	6	0.2
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	18	0.2
(1,1103)	1:753:A:LEU:HB3	1:773:A:ILE:HG21	16	0.2
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	9	0.2
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	14	0.2
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	16	0.2
(1,1046)	1:741:A:VAL:HG21	1:780:A:ILE:HB	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	17	0.2
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	20	0.2
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	4	0.2
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	5	0.2
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	16	0.2
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	19	0.2
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	20	0.2
(1,991)	1:725:A:LEU:HD21	1:725:A:LEU:HB2	4	0.2
(1,991)	1:725:A:LEU:HD21	1:725:A:LEU:HB2	7	0.2
(1,991)	1:725:A:LEU:HD21	1:725:A:LEU:HB2	18	0.2
(1,931)	1:753:A:LEU:HD21	1:770:A:ILE:HB	9	0.2
(1,924)	1:793:A:LEU:HD11	1:757:A:ILE:HD11	18	0.2
(1,912)	1:718:A:ARG:HG3	1:718:A:ARG:HA	8	0.2
(1,909)	1:721:A:PRO:HG2	1:806:A:VAL:HG13	1	0.2
(1,904)	1:815:A:ILE:HA	1:731:A:LEU:HG	3	0.2
(1,904)	1:815:A:ILE:HA	1:731:A:LEU:HG	7	0.2
(1,904)	1:815:A:ILE:HA	1:731:A:LEU:HG	11	0.2
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	6	0.2
(1,807)	1:819:A:ARG:HA	1:819:A:ARG:HB3	1	0.2
(1,807)	1:819:A:ARG:HA	1:819:A:ARG:HB3	10	0.2
(1,807)	1:819:A:ARG:HA	1:819:A:ARG:HB3	20	0.2
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	1	0.2
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	2	0.2
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	4	0.2
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	5	0.2
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	6	0.2
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	7	0.2
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	8	0.2
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	10	0.2
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	12	0.2
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	14	0.2
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	15	0.2
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	16	0.2
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	18	0.2
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	11	0.2
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	1	0.2
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	4	0.2
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	18	0.2
(1,719)	1:743:A:VAL:HB	1:725:A:LEU:HD21	1	0.2
(1,719)	1:743:A:VAL:HB	1:725:A:LEU:HD21	14	0.2
(1,705)	1:799:A:LYS:HB2	1:799:A:LYS:HE3	3	0.2
(1,681)	1:757:A:ILE:HB	1:766:A:LYS:HB2	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	13	0.2
(1,616)	1:818:A:ARG:HD2	1:818:A:ARG:HB2	12	0.2
(1,605)	1:819:A:ARG:HD3	1:735:A:LEU:HD21	13	0.2
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	9	0.2
(1,530)	1:721:A:PRO:HD3	1:806:A:VAL:HG11	11	0.2
(1,518)	1:811:A:PRO:HD3	1:810:A:GLN:HG3	12	0.2
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	12	0.2
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	9	0.2
(1,362)	1:759:A:GLU:HA	1:759:A:GLU:HG2	11	0.2
(1,270)	1:764:A:LYS:HA	1:764:A:LYS:HG3	18	0.2
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	16	0.2
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	19	0.2
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	8	0.2
(1,212)	1:797:A:SER:HA	1:808:A:LEU:HA	12	0.2
(1,207)	1:785:A:PHE:HA	1:785:A:PHE:HD1	8	0.2
(1,207)	1:785:A:PHE:HA	1:785:A:PHE:HD1	9	0.2
(1,176)	1:815:A:ILE:HA	1:731:A:LEU:HB3	17	0.2
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	5	0.2
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	15	0.2
(1,108)	1:787:A:THR:HB	1:787:A:THR:HA	7	0.2
(1,24)	1:794:A:SER:HB3	1:792:A:ILE:HG21	2	0.2
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG21	1	0.2
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG22	10	0.2
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG22	13	0.2
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG22	14	0.2
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG22	16	0.2
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG23	20	0.2
(1,1)	1:752:A:THR:HB	1:799:A:LYS:HA	7	0.2
(1,1)	1:752:A:THR:HB	1:799:A:LYS:HA	17	0.2
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	15	0.19
(1,2320)	1:801:A:SER:H	1:801:A:SER:HB3	7	0.19
(1,2320)	1:801:A:SER:H	1:801:A:SER:HB3	14	0.19
(1,2299)	1:778:A:TYR:H	1:743:A:VAL:HG11	11	0.19
(1,2299)	1:778:A:TYR:H	1:743:A:VAL:HG11	16	0.19
(1,2296)	1:782:A:THR:H	1:781:A:LYS:HG3	2	0.19
(1,2287)	1:755:A:TYR:H	1:754:A:THR:H	4	0.19
(1,2287)	1:754:A:THR:H	1:753:A:LEU:H	9	0.19
(1,2287)	1:754:A:THR:H	1:753:A:LEU:H	14	0.19
(1,2261)	1:795:A:LEU:HD12	1:724:A:SER:HA	16	0.19
(1,2245)	1:727:A:LEU:HD11	1:728:A:HIS:HA	19	0.19
(1,2239)	1:771:A:LYS:HE2	1:771:A:LYS:HG2	8	0.19
(1,2239)	1:771:A:LYS:HE2	1:771:A:LYS:HG2	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2229)	1:770:A:ILE:HG13	1:755:A:TYR:HE1	4	0.19
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	2	0.19
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	15	0.19
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	1	0.19
(1,2179)	1:790:A:ASP:HB3	1:760:A:THR:HG21	1	0.19
(1,2177)	1:781:A:LYS:HE3	1:781:A:LYS:HG2	18	0.19
(1,2173)	1:791:A:TYR:HB2	1:815:A:ILE:HD11	9	0.19
(1,2171)	1:771:A:LYS:HE2	1:752:A:THR:HG21	12	0.19
(1,2171)	1:771:A:LYS:HE3	1:752:A:THR:HG21	17	0.19
(1,2171)	1:771:A:LYS:HE3	1:752:A:THR:HG21	19	0.19
(1,2170)	1:726:A:LYS:HE3	1:726:A:LYS:HG2	9	0.19
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	2	0.19
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	2	0.19
(1,2099)	1:805:A:VAL:HA	1:799:A:LYS:HG3	7	0.19
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB3	16	0.19
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	17	0.19
(1,1978)	1:816:A:GLN:HE22	1:818:A:ARG:HA	5	0.19
(1,1929)	1:810:A:GLN:HE21	1:810:A:GLN:HA	3	0.19
(1,1929)	1:810:A:GLN:HE21	1:810:A:GLN:HA	12	0.19
(1,1929)	1:810:A:GLN:HE21	1:810:A:GLN:HA	13	0.19
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	6	0.19
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	9	0.19
(1,1908)	1:776:A:ASN:HD21	1:775:A:THR:HB	20	0.19
(1,1893)	1:777:A:GLU:H	1:776:A:ASN:HB3	15	0.19
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	2	0.19
(1,1782)	1:764:A:LYS:H	1:759:A:GLU:HB2	6	0.19
(1,1772)	1:764:A:LYS:H	1:762:A:SER:H	15	0.19
(1,1724)	1:776:A:ASN:H	1:777:A:GLU:HB3	11	0.19
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	4	0.19
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	19	0.19
(1,1690)	1:747:A:GLY:H	1:776:A:ASN:HD21	20	0.19
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	15	0.19
(1,1576)	1:759:A:GLU:H	1:758:A:ILE:HG21	19	0.19
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	1	0.19
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	7	0.19
(1,1505)	1:818:A:ARG:H	1:818:A:ARG:HB3	3	0.19
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	4	0.19
(1,1426)	1:815:A:ILE:H	1:814:A:LYS:HB2	6	0.19
(1,1392)	1:751:A:PHE:H	1:773:A:ILE:HG12	1	0.19
(1,1351)	1:788:A:GLY:H	1:818:A:ARG:HA	9	0.19
(1,1326)	1:794:A:SER:H	1:793:A:LEU:HG	18	0.19
(1,1241)	1:725:A:LEU:H	1:725:A:LEU:HD11	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1241)	1:725:A:LEU:H	1:725:A:LEU:HD11	4	0.19
(1,1228)	1:768:A:PHE:H	1:768:A:PHE:HD1	5	0.19
(1,1228)	1:768:A:PHE:H	1:768:A:PHE:HD1	20	0.19
(1,1180)	1:757:A:ILE:HG12	1:755:A:TYR:HD1	3	0.19
(1,1180)	1:757:A:ILE:HG12	1:755:A:TYR:HD1	10	0.19
(1,1154)	1:742:A:PRO:HD2	1:741:A:VAL:HB	3	0.19
(1,1150)	1:753:A:LEU:HA	1:798:A:ILE:HG12	4	0.19
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	16	0.19
(1,1070)	1:731:A:LEU:HB2	1:815:A:ILE:HG21	11	0.19
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	8	0.19
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	11	0.19
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	15	0.19
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	20	0.19
(1,1046)	1:741:A:VAL:HG21	1:780:A:ILE:HB	1	0.19
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	2	0.19
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	11	0.19
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	14	0.19
(1,991)	1:725:A:LEU:HD21	1:725:A:LEU:HB2	2	0.19
(1,991)	1:725:A:LEU:HD21	1:725:A:LEU:HB2	10	0.19
(1,952)	1:733:A:LEU:HD21	1:739:A:SER:HA	11	0.19
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	8	0.19
(1,924)	1:793:A:LEU:HD11	1:757:A:ILE:HD11	1	0.19
(1,924)	1:793:A:LEU:HD11	1:757:A:ILE:HD11	14	0.19
(1,909)	1:721:A:PRO:HG2	1:806:A:VAL:HG13	14	0.19
(1,904)	1:815:A:ILE:HA	1:731:A:LEU:HG	15	0.19
(1,903)	1:731:A:LEU:HB2	1:731:A:LEU:HG	9	0.19
(1,903)	1:731:A:LEU:HB2	1:731:A:LEU:HG	11	0.19
(1,903)	1:731:A:LEU:HB2	1:731:A:LEU:HG	14	0.19
(1,903)	1:731:A:LEU:HB2	1:731:A:LEU:HG	15	0.19
(1,903)	1:731:A:LEU:HB2	1:731:A:LEU:HG	16	0.19
(1,903)	1:731:A:LEU:HB2	1:731:A:LEU:HG	19	0.19
(1,789)	1:720:A:LYS:HB2	1:806:A:VAL:HG11	15	0.19
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	3	0.19
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	11	0.19
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	10	0.19
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	19	0.19
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	6	0.19
(1,785)	1:811:A:PRO:HB3	1:811:A:PRO:HD3	9	0.19
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	3	0.19
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	5	0.19
(1,720)	1:743:A:VAL:HB	1:745:A:LEU:HD11	6	0.19
(1,719)	1:743:A:VAL:HB	1:725:A:LEU:HD21	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:799:A:LYS:HB2	1:805:A:VAL:HG11	9	0.19
(1,702)	1:772:A:GLU:HA	1:772:A:GLU:HG3	18	0.19
(1,699)	1:772:A:GLU:HG2	1:771:A:LYS:HB3	19	0.19
(1,681)	1:757:A:ILE:HB	1:766:A:LYS:HB2	11	0.19
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	13	0.19
(1,556)	1:736:A:GLY:HA2	1:735:A:LEU:HB2	16	0.19
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	13	0.19
(1,512)	1:721:A:PRO:HD2	1:720:A:LYS:HB2	18	0.19
(1,461)	1:810:A:GLN:HA	1:811:A:PRO:HD2	18	0.19
(1,425)	1:727:A:LEU:HA	1:742:A:PRO:HD3	7	0.19
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	4	0.19
(1,351)	1:794:A:SER:HA	1:758:A:ILE:HG13	12	0.19
(1,338)	1:725:A:LEU:HA	1:726:A:LYS:HG2	20	0.19
(1,279)	1:751:A:PHE:HA	1:799:A:LYS:HB2	19	0.19
(1,278)	1:751:A:PHE:HA	1:800:A:ASP:HB3	5	0.19
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	4	0.19
(1,250)	1:722:A:SER:HA	1:753:A:LEU:HD11	14	0.19
(1,240)	1:774:A:LYS:HA	1:749:A:GLY:HA3	17	0.19
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	17	0.19
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	20	0.19
(1,176)	1:815:A:ILE:HA	1:731:A:LEU:HB3	4	0.19
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	14	0.19
(1,121)	1:779:A:VAL:HA	1:779:A:VAL:HG11	13	0.19
(1,91)	1:750:A:PRO:HA	1:772:A:GLU:HB2	17	0.19
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG22	2	0.19
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG22	3	0.19
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG22	5	0.19
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG21	6	0.19
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG22	7	0.19
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG21	8	0.19
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG22	9	0.19
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG22	11	0.19
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG22	12	0.19
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG21	15	0.19
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG21	17	0.19
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG22	19	0.19
(1,1)	1:752:A:THR:HB	1:799:A:LYS:HA	11	0.19
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	8	0.18
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	11	0.18
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	14	0.18
(1,2321)	1:764:A:LYS:H	1:763:A:SER:HB2	14	0.18
(1,2320)	1:801:A:SER:H	1:801:A:SER:HB3	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2320)	1:801:A:SER:H	1:801:A:SER:HB3	8	0.18
(1,2320)	1:801:A:SER:H	1:801:A:SER:HB3	15	0.18
(1,2315)	1:719:A:VAL:H	1:718:A:ARG:HB3	9	0.18
(1,2268)	1:748:A:GLN:H	1:748:A:GLN:HB3	8	0.18
(1,2245)	1:727:A:LEU:HD11	1:728:A:HIS:HA	2	0.18
(1,2245)	1:727:A:LEU:HD11	1:728:A:HIS:HA	17	0.18
(1,2245)	1:727:A:LEU:HD11	1:728:A:HIS:HA	20	0.18
(1,2207)	1:819:A:ARG:HB3	1:819:A:ARG:HD3	17	0.18
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	1	0.18
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	13	0.18
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	10	0.18
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	15	0.18
(1,2171)	1:771:A:LYS:HE3	1:752:A:THR:HG21	5	0.18
(1,2171)	1:771:A:LYS:HE3	1:752:A:THR:HG21	6	0.18
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	6	0.18
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	20	0.18
(1,2153)	1:819:A:ARG:HD2	1:819:A:ARG:HA	4	0.18
(1,2150)	1:819:A:ARG:HD2	1:787:A:THR:HA	1	0.18
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	12	0.18
(1,2135)	1:781:A:LYS:HA	1:781:A:LYS:HB3	5	0.18
(1,2135)	1:781:A:LYS:HA	1:781:A:LYS:HB3	6	0.18
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	6	0.18
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	17	0.18
(1,2099)	1:805:A:VAL:HA	1:799:A:LYS:HG3	12	0.18
(1,2098)	1:805:A:VAL:HA	1:804:A:CYS:HA	1	0.18
(1,2098)	1:805:A:VAL:HA	1:804:A:CYS:HA	3	0.18
(1,2098)	1:805:A:VAL:HA	1:804:A:CYS:HA	4	0.18
(1,2098)	1:805:A:VAL:HA	1:804:A:CYS:HA	15	0.18
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB2	6	0.18
(1,2087)	1:762:A:SER:HB2	1:763:A:SER:HB2	11	0.18
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	1	0.18
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	6	0.18
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	14	0.18
(1,2079)	1:752:A:THR:H	1:798:A:ILE:HA	16	0.18
(1,2047)	1:740:A:SER:H	1:782:A:THR:HG21	14	0.18
(1,1976)	1:748:A:GLN:HE22	1:746:A:LYS:HG2	12	0.18
(1,1976)	1:748:A:GLN:HE22	1:746:A:LYS:HG2	20	0.18
(1,1929)	1:810:A:GLN:HE21	1:810:A:GLN:HA	2	0.18
(1,1929)	1:810:A:GLN:HE21	1:810:A:GLN:HA	11	0.18
(1,1913)	1:787:A:THR:H	1:785:A:PHE:HA	18	0.18
(1,1894)	1:777:A:GLU:H	1:777:A:GLU:HG2	4	0.18
(1,1893)	1:777:A:GLU:H	1:776:A:ASN:HB3	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	14	0.18
(1,1772)	1:764:A:LYS:H	1:762:A:SER:H	8	0.18
(1,1772)	1:764:A:LYS:H	1:762:A:SER:H	14	0.18
(1,1712)	1:719:A:VAL:H	1:720:A:LYS:HA	13	0.18
(1,1690)	1:747:A:GLY:H	1:776:A:ASN:HD21	13	0.18
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	6	0.18
(1,1625)	1:722:A:SER:H	1:747:A:GLY:HA2	16	0.18
(1,1620)	1:726:A:LYS:H	1:725:A:LEU:HD11	10	0.18
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	8	0.18
(1,1581)	1:765:A:ARG:H	1:759:A:GLU:HG2	7	0.18
(1,1581)	1:765:A:ARG:H	1:759:A:GLU:HG2	8	0.18
(1,1576)	1:759:A:GLU:H	1:758:A:ILE:HG21	6	0.18
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	3	0.18
(1,1551)	1:745:A:LEU:H	1:776:A:ASN:HB2	4	0.18
(1,1547)	1:814:A:LYS:H	1:813:A:ALA:HB1	3	0.18
(1,1546)	1:814:A:LYS:H	1:814:A:LYS:HG2	15	0.18
(1,1471)	1:731:A:LEU:H	1:730:A:ASP:HB2	10	0.18
(1,1392)	1:751:A:PHE:H	1:773:A:ILE:HG12	18	0.18
(1,1351)	1:788:A:GLY:H	1:818:A:ARG:HA	7	0.18
(1,1351)	1:788:A:GLY:H	1:818:A:ARG:HA	10	0.18
(1,1326)	1:794:A:SER:H	1:793:A:LEU:HG	5	0.18
(1,1326)	1:794:A:SER:H	1:793:A:LEU:HG	6	0.18
(1,1326)	1:794:A:SER:H	1:793:A:LEU:HG	19	0.18
(1,1280)	1:753:A:LEU:H	1:753:A:LEU:HG	18	0.18
(1,1252)	1:770:A:ILE:H	1:752:A:THR:HA	2	0.18
(1,1241)	1:725:A:LEU:H	1:725:A:LEU:HD11	11	0.18
(1,1228)	1:768:A:PHE:H	1:768:A:PHE:HD1	7	0.18
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	13	0.18
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	3	0.18
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	4	0.18
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	10	0.18
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	1	0.18
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	9	0.18
(1,1035)	1:817:A:VAL:HG11	1:733:A:LEU:HB3	6	0.18
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	1	0.18
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	6	0.18
(1,991)	1:725:A:LEU:HD21	1:725:A:LEU:HB2	1	0.18
(1,991)	1:725:A:LEU:HD21	1:725:A:LEU:HB2	8	0.18
(1,991)	1:725:A:LEU:HD21	1:725:A:LEU:HB2	12	0.18
(1,991)	1:725:A:LEU:HD21	1:725:A:LEU:HB2	17	0.18
(1,980)	1:799:A:LYS:HG3	1:805:A:VAL:HG11	13	0.18
(1,960)	1:720:A:LYS:HG3	1:719:A:VAL:HG21	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	9	0.18
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	20	0.18
(1,924)	1:793:A:LEU:HD11	1:757:A:ILE:HD11	5	0.18
(1,924)	1:793:A:LEU:HD11	1:757:A:ILE:HD11	10	0.18
(1,924)	1:793:A:LEU:HD11	1:757:A:ILE:HD11	12	0.18
(1,924)	1:793:A:LEU:HD11	1:757:A:ILE:HD11	20	0.18
(1,903)	1:731:A:LEU:HB2	1:731:A:LEU:HG	3	0.18
(1,903)	1:731:A:LEU:HB2	1:731:A:LEU:HG	5	0.18
(1,903)	1:731:A:LEU:HB2	1:731:A:LEU:HG	7	0.18
(1,903)	1:731:A:LEU:HB2	1:731:A:LEU:HG	10	0.18
(1,903)	1:731:A:LEU:HB2	1:731:A:LEU:HG	13	0.18
(1,807)	1:819:A:ARG:HA	1:819:A:ARG:HB3	14	0.18
(1,789)	1:720:A:LYS:HB2	1:806:A:VAL:HG11	12	0.18
(1,787)	1:720:A:LYS:HB2	1:720:A:LYS:HD2	2	0.18
(1,768)	1:742:A:PRO:HD3	1:742:A:PRO:HB2	13	0.18
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	3	0.18
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	8	0.18
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	14	0.18
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	2	0.18
(1,720)	1:743:A:VAL:HB	1:745:A:LEU:HD11	5	0.18
(1,711)	1:777:A:GLU:HG2	1:744:A:ALA:HA	5	0.18
(1,671)	1:730:A:ASP:HB2	1:732:A:LYS:HD2	19	0.18
(1,647)	1:766:A:LYS:HE2	1:766:A:LYS:HG3	18	0.18
(1,616)	1:818:A:ARG:HD2	1:818:A:ARG:HB2	19	0.18
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	7	0.18
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	11	0.18
(1,404)	1:720:A:LYS:HA	1:720:A:LYS:HE2	19	0.18
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	7	0.18
(1,212)	1:797:A:SER:HA	1:808:A:LEU:HA	5	0.18
(1,207)	1:785:A:PHE:HA	1:785:A:PHE:HD1	16	0.18
(1,176)	1:815:A:ILE:HA	1:731:A:LEU:HB3	2	0.18
(1,176)	1:815:A:ILE:HA	1:731:A:LEU:HB3	20	0.18
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	2	0.18
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	15	0.18
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	10	0.18
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	19	0.18
(1,121)	1:779:A:VAL:HA	1:779:A:VAL:HG11	1	0.18
(1,78)	1:742:A:PRO:HA	1:779:A:VAL:HG11	14	0.18
(1,25)	1:797:A:SER:HB2	1:805:A:VAL:HG11	9	0.18
(1,24)	1:794:A:SER:HB3	1:792:A:ILE:HG21	4	0.18
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG22	4	0.18
(1,7)	1:802:A:THR:HB	1:802:A:THR:HG22	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	3	0.17
(1,2321)	1:764:A:LYS:H	1:763:A:SER:HB2	11	0.17
(1,2318)	1:780:A:ILE:H	1:741:A:VAL:HG21	9	0.17
(1,2303)	1:766:A:LYS:H	1:757:A:ILE:HG21	6	0.17
(1,2287)	1:754:A:THR:H	1:753:A:LEU:H	7	0.17
(1,2282)	1:794:A:SER:H	1:758:A:ILE:HG13	20	0.17
(1,2261)	1:795:A:LEU:HD13	1:724:A:SER:HA	14	0.17
(1,2245)	1:727:A:LEU:HD11	1:728:A:HIS:HA	3	0.17
(1,2245)	1:727:A:LEU:HD11	1:728:A:HIS:HA	6	0.17
(1,2244)	1:781:A:LYS:HG3	1:738:A:HIS:HD2	10	0.17
(1,2241)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	12	0.17
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	20	0.17
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	9	0.17
(1,2180)	1:785:A:PHE:HB2	1:817:A:VAL:HG21	15	0.17
(1,2173)	1:791:A:TYR:HB2	1:815:A:ILE:HD11	16	0.17
(1,2171)	1:771:A:LYS:HE3	1:752:A:THR:HG21	9	0.17
(1,2171)	1:771:A:LYS:HE3	1:752:A:THR:HG21	16	0.17
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	1	0.17
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	3	0.17
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	5	0.17
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	9	0.17
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	19	0.17
(1,2153)	1:819:A:ARG:HD2	1:819:A:ARG:HA	1	0.17
(1,2153)	1:819:A:ARG:HD2	1:819:A:ARG:HA	12	0.17
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	4	0.17
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	6	0.17
(1,2135)	1:781:A:LYS:HA	1:781:A:LYS:HB3	10	0.17
(1,2121)	1:732:A:LYS:HA	1:732:A:LYS:HG2	15	0.17
(1,2121)	1:732:A:LYS:HA	1:732:A:LYS:HG2	16	0.17
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	4	0.17
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	11	0.17
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	11	0.17
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	17	0.17
(1,2098)	1:805:A:VAL:HA	1:804:A:CYS:HA	14	0.17
(1,2098)	1:805:A:VAL:HA	1:804:A:CYS:HA	16	0.17
(1,2098)	1:805:A:VAL:HA	1:804:A:CYS:HA	17	0.17
(1,2098)	1:805:A:VAL:HA	1:804:A:CYS:HA	20	0.17
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	10	0.17
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	13	0.17
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	14	0.17
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	13	0.17
(1,1996)	1:817:A:VAL:H	1:817:A:VAL:HG11	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1991)	1:793:A:LEU:H	1:758:A:ILE:HG12	10	0.17
(1,1935)	1:775:A:THR:H	1:773:A:ILE:HA	14	0.17
(1,1935)	1:775:A:THR:H	1:773:A:ILE:HA	19	0.17
(1,1929)	1:810:A:GLN:HE21	1:810:A:GLN:HA	6	0.17
(1,1929)	1:810:A:GLN:HE21	1:810:A:GLN:HA	8	0.17
(1,1893)	1:777:A:GLU:H	1:776:A:ASN:HB3	4	0.17
(1,1893)	1:777:A:GLU:H	1:776:A:ASN:HB3	9	0.17
(1,1893)	1:777:A:GLU:H	1:776:A:ASN:HB3	16	0.17
(1,1852)	1:784:A:VAL:H	1:783:A:PRO:HB2	15	0.17
(1,1839)	1:737:A:ASP:H	1:733:A:LEU:HB2	7	0.17
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	4	0.17
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	7	0.17
(1,1782)	1:764:A:LYS:H	1:759:A:GLU:HB2	11	0.17
(1,1782)	1:764:A:LYS:H	1:759:A:GLU:HB2	19	0.17
(1,1772)	1:764:A:LYS:H	1:762:A:SER:H	18	0.17
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	20	0.17
(1,1690)	1:747:A:GLY:H	1:776:A:ASN:HD21	8	0.17
(1,1598)	1:720:A:LYS:H	1:718:A:ARG:HA	1	0.17
(1,1598)	1:720:A:LYS:H	1:718:A:ARG:HA	7	0.17
(1,1598)	1:720:A:LYS:H	1:718:A:ARG:HA	20	0.17
(1,1594)	1:771:A:LYS:H	1:753:A:LEU:H	12	0.17
(1,1581)	1:765:A:ARG:H	1:759:A:GLU:HG2	5	0.17
(1,1581)	1:765:A:ARG:H	1:759:A:GLU:HG2	15	0.17
(1,1581)	1:765:A:ARG:H	1:759:A:GLU:HG2	17	0.17
(1,1576)	1:759:A:GLU:H	1:758:A:ILE:HG21	20	0.17
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	20	0.17
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	4	0.17
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	10	0.17
(1,1505)	1:818:A:ARG:H	1:818:A:ARG:HB3	19	0.17
(1,1426)	1:815:A:ILE:H	1:814:A:LYS:HB2	13	0.17
(1,1392)	1:751:A:PHE:H	1:773:A:ILE:HG12	9	0.17
(1,1326)	1:794:A:SER:H	1:793:A:LEU:HG	10	0.17
(1,1280)	1:753:A:LEU:H	1:753:A:LEU:HG	8	0.17
(1,1257)	1:770:A:ILE:H	1:770:A:ILE:HG21	17	0.17
(1,1228)	1:768:A:PHE:H	1:768:A:PHE:HD1	9	0.17
(1,1154)	1:742:A:PRO:HD2	1:741:A:VAL:HB	2	0.17
(1,1144)	1:748:A:GLN:HB2	1:748:A:GLN:HA	9	0.17
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	13	0.17
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	5	0.17
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	6	0.17
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	10	0.17
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1046)	1:741:A:VAL:HG21	1:780:A:ILE:HB	6	0.17
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	14	0.17
(1,1029)	1:769:A:GLU:HG3	1:752:A:THR:HG21	18	0.17
(1,1028)	1:733:A:LEU:HB3	1:817:A:VAL:HG21	7	0.17
(1,1022)	1:817:A:VAL:HG21	1:816:A:GLN:HE22	10	0.17
(1,991)	1:725:A:LEU:HD21	1:725:A:LEU:HB2	5	0.17
(1,991)	1:725:A:LEU:HD21	1:725:A:LEU:HB2	16	0.17
(1,990)	1:723:A:ALA:HB1	1:746:A:LYS:HB3	19	0.17
(1,987)	1:735:A:LEU:HA	1:735:A:LEU:HD21	13	0.17
(1,985)	1:733:A:LEU:HB2	1:733:A:LEU:HD11	18	0.17
(1,984)	1:737:A:ASP:HB3	1:733:A:LEU:HD11	1	0.17
(1,982)	1:733:A:LEU:HD11	1:732:A:LYS:HA	2	0.17
(1,967)	1:731:A:LEU:HB2	1:731:A:LEU:HD11	7	0.17
(1,967)	1:731:A:LEU:HB2	1:731:A:LEU:HD11	11	0.17
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	5	0.17
(1,893)	1:745:A:LEU:HG	1:777:A:GLU:HA	4	0.17
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	13	0.17
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	8	0.17
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	19	0.17
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	2	0.17
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	8	0.17
(1,708)	1:759:A:GLU:HG2	1:760:A:THR:HG21	10	0.17
(1,654)	1:735:A:LEU:HB3	1:735:A:LEU:HD11	3	0.17
(1,654)	1:735:A:LEU:HB3	1:735:A:LEU:HD11	11	0.17
(1,635)	1:798:A:ILE:HB	1:753:A:LEU:HA	12	0.17
(1,635)	1:798:A:ILE:HB	1:753:A:LEU:HA	16	0.17
(1,628)	1:778:A:TYR:HB3	1:773:A:ILE:HD11	12	0.17
(1,616)	1:818:A:ARG:HD2	1:818:A:ARG:HB2	3	0.17
(1,616)	1:818:A:ARG:HD2	1:818:A:ARG:HB2	4	0.17
(1,616)	1:818:A:ARG:HD2	1:818:A:ARG:HB2	17	0.17
(1,606)	1:765:A:ARG:HD2	1:758:A:ILE:HD11	12	0.17
(1,565)	1:736:A:GLY:HA3	1:786:A:THR:HG21	2	0.17
(1,556)	1:736:A:GLY:HA2	1:735:A:LEU:HB2	13	0.17
(1,556)	1:736:A:GLY:HA2	1:735:A:LEU:HB2	19	0.17
(1,535)	1:782:A:THR:HB	1:783:A:PRO:HD3	16	0.17
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	6	0.17
(1,362)	1:759:A:GLU:HA	1:759:A:GLU:HG2	6	0.17
(1,362)	1:759:A:GLU:HA	1:759:A:GLU:HG2	19	0.17
(1,350)	1:794:A:SER:HA	1:812:A:ASP:HA	14	0.17
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	1	0.17
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	2	0.17
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	5	0.17
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	7	0.17
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	8	0.17
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	10	0.17
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	12	0.17
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	13	0.17
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	15	0.17
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	17	0.17
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	18	0.17
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	19	0.17
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	20	0.17
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	12	0.17
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	14	0.17
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	18	0.17
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	7	0.17
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	4	0.17
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	9	0.17
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	12	0.17
(1,91)	1:750:A:PRO:HA	1:772:A:GLU:HB2	20	0.17
(1,79)	1:742:A:PRO:HA	1:779:A:VAL:HG21	13	0.17
(1,13)	1:760:A:THR:HA	1:792:A:ILE:HD11	6	0.17
(1,13)	1:760:A:THR:HA	1:792:A:ILE:HD11	19	0.17
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	1	0.16
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	6	0.16
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	19	0.16
(1,2321)	1:764:A:LYS:H	1:763:A:SER:HB2	13	0.16
(1,2303)	1:766:A:LYS:H	1:757:A:ILE:HG21	19	0.16
(1,2302)	1:766:A:LYS:H	1:765:A:ARG:HG2	19	0.16
(1,2299)	1:778:A:TYR:H	1:743:A:VAL:HG11	7	0.16
(1,2287)	1:754:A:THR:H	1:753:A:LEU:H	10	0.16
(1,2266)	1:791:A:TYR:H	1:790:A:ASP:HB3	8	0.16
(1,2266)	1:791:A:TYR:H	1:790:A:ASP:HB3	13	0.16
(1,2261)	1:795:A:LEU:HD13	1:724:A:SER:HA	5	0.16
(1,2261)	1:795:A:LEU:HD13	1:724:A:SER:HA	15	0.16
(1,2245)	1:727:A:LEU:HD11	1:728:A:HIS:HA	7	0.16
(1,2245)	1:727:A:LEU:HD11	1:728:A:HIS:HA	10	0.16
(1,2244)	1:781:A:LYS:HG2	1:738:A:HIS:HD2	4	0.16
(1,2241)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	9	0.16
(1,2239)	1:771:A:LYS:HE2	1:771:A:LYS:HG2	1	0.16
(1,2212)	1:766:A:LYS:HD3	1:766:A:LYS:HA	17	0.16
(1,2212)	1:766:A:LYS:HD3	1:766:A:LYS:HA	20	0.16
(1,2205)	1:781:A:LYS:HE2	1:781:A:LYS:HB2	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	10	0.16
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	11	0.16
(1,2180)	1:785:A:PHE:HB2	1:817:A:VAL:HG21	10	0.16
(1,2173)	1:791:A:TYR:HB2	1:815:A:ILE:HD11	10	0.16
(1,2170)	1:726:A:LYS:HE3	1:726:A:LYS:HG2	5	0.16
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	2	0.16
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	11	0.16
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	17	0.16
(1,2153)	1:819:A:ARG:HD2	1:819:A:ARG:HA	15	0.16
(1,2135)	1:781:A:LYS:HA	1:781:A:LYS:HB3	14	0.16
(1,2122)	1:771:A:LYS:HA	1:771:A:LYS:HG2	10	0.16
(1,2121)	1:732:A:LYS:HA	1:732:A:LYS:HG2	4	0.16
(1,2119)	1:814:A:LYS:HA	1:814:A:LYS:HB2	4	0.16
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	15	0.16
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	18	0.16
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	1	0.16
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	2	0.16
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	5	0.16
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	15	0.16
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	18	0.16
(1,2099)	1:805:A:VAL:HA	1:799:A:LYS:HG3	14	0.16
(1,2098)	1:805:A:VAL:HA	1:804:A:CYS:HA	7	0.16
(1,2098)	1:805:A:VAL:HA	1:804:A:CYS:HA	12	0.16
(1,2098)	1:805:A:VAL:HA	1:804:A:CYS:HA	18	0.16
(1,2098)	1:805:A:VAL:HA	1:806:A:VAL:HA	19	0.16
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	18	0.16
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	12	0.16
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	16	0.16
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	20	0.16
(1,1991)	1:793:A:LEU:H	1:758:A:ILE:HG12	18	0.16
(1,1960)	1:723:A:ALA:H	1:722:A:SER:HB3	16	0.16
(1,1949)	1:727:A:LEU:H	1:725:A:LEU:HB2	6	0.16
(1,1949)	1:727:A:LEU:H	1:725:A:LEU:HB2	15	0.16
(1,1935)	1:775:A:THR:H	1:773:A:ILE:HA	20	0.16
(1,1929)	1:810:A:GLN:HE21	1:810:A:GLN:HA	5	0.16
(1,1918)	1:787:A:THR:H	1:817:A:VAL:HG11	6	0.16
(1,1908)	1:776:A:ASN:HD21	1:775:A:THR:HB	15	0.16
(1,1894)	1:777:A:GLU:H	1:777:A:GLU:HG2	7	0.16
(1,1893)	1:777:A:GLU:H	1:776:A:ASN:HB3	5	0.16
(1,1893)	1:777:A:GLU:H	1:776:A:ASN:HB3	6	0.16
(1,1893)	1:777:A:GLU:H	1:776:A:ASN:HB3	10	0.16
(1,1893)	1:777:A:GLU:H	1:776:A:ASN:HB3	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1893)	1:777:A:GLU:H	1:776:A:ASN:HB3	18	0.16
(1,1863)	1:760:A:THR:H	1:760:A:THR:HB	1	0.16
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	10	0.16
(1,1712)	1:719:A:VAL:H	1:720:A:LYS:HA	20	0.16
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	5	0.16
(1,1690)	1:747:A:GLY:H	1:776:A:ASN:HD21	2	0.16
(1,1690)	1:747:A:GLY:H	1:776:A:ASN:HD21	17	0.16
(1,1646)	1:732:A:LYS:H	1:732:A:LYS:HG3	3	0.16
(1,1610)	1:720:A:LYS:H	1:719:A:VAL:HB	19	0.16
(1,1598)	1:720:A:LYS:H	1:718:A:ARG:HA	17	0.16
(1,1594)	1:771:A:LYS:H	1:753:A:LEU:H	10	0.16
(1,1581)	1:765:A:ARG:H	1:759:A:GLU:HG2	3	0.16
(1,1581)	1:765:A:ARG:H	1:759:A:GLU:HG2	14	0.16
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	9	0.16
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	12	0.16
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	15	0.16
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	16	0.16
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	17	0.16
(1,1551)	1:745:A:LEU:H	1:776:A:ASN:HB2	16	0.16
(1,1546)	1:814:A:LYS:H	1:814:A:LYS:HG2	2	0.16
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	8	0.16
(1,1453)	1:816:A:GLN:H	1:815:A:ILE:HG12	16	0.16
(1,1441)	1:754:A:THR:H	1:753:A:LEU:HB2	16	0.16
(1,1426)	1:815:A:ILE:H	1:814:A:LYS:HB2	15	0.16
(1,1351)	1:788:A:GLY:H	1:818:A:ARG:HA	19	0.16
(1,1326)	1:794:A:SER:H	1:793:A:LEU:HG	1	0.16
(1,1326)	1:794:A:SER:H	1:793:A:LEU:HG	13	0.16
(1,1280)	1:753:A:LEU:H	1:753:A:LEU:HG	3	0.16
(1,1280)	1:753:A:LEU:H	1:753:A:LEU:HG	5	0.16
(1,1280)	1:753:A:LEU:H	1:753:A:LEU:HG	11	0.16
(1,1280)	1:753:A:LEU:H	1:753:A:LEU:HG	12	0.16
(1,1256)	1:770:A:ILE:H	1:770:A:ILE:HD11	10	0.16
(1,1256)	1:770:A:ILE:H	1:770:A:ILE:HD11	12	0.16
(1,1241)	1:725:A:LEU:H	1:725:A:LEU:HD11	14	0.16
(1,1228)	1:768:A:PHE:H	1:768:A:PHE:HD1	11	0.16
(1,1228)	1:768:A:PHE:H	1:768:A:PHE:HD1	15	0.16
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	9	0.16
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	11	0.16
(1,1172)	1:765:A:ARG:HB3	1:758:A:ILE:HG21	1	0.16
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	3	0.16
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	17	0.16
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	2	0.16
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	16	0.16
(1,1043)	1:793:A:LEU:HB2	1:813:A:ALA:HB1	13	0.16
(1,990)	1:723:A:ALA:HB1	1:746:A:LYS:HB3	4	0.16
(1,985)	1:733:A:LEU:HB2	1:733:A:LEU:HD11	6	0.16
(1,948)	1:814:A:LYS:HG2	1:792:A:ILE:HD11	11	0.16
(1,939)	1:795:A:LEU:HD11	1:808:A:LEU:HB2	18	0.16
(1,863)	1:773:A:ILE:HG13	1:798:A:ILE:HD11	16	0.16
(1,789)	1:720:A:LYS:HB2	1:806:A:VAL:HG11	5	0.16
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	19	0.16
(1,788)	1:720:A:LYS:HB2	1:720:A:LYS:HG2	20	0.16
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	18	0.16
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	11	0.16
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	20	0.16
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	3	0.16
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	5	0.16
(1,720)	1:743:A:VAL:HB	1:745:A:LEU:HD11	18	0.16
(1,699)	1:772:A:GLU:HG2	1:771:A:LYS:HB3	3	0.16
(1,699)	1:772:A:GLU:HG2	1:771:A:LYS:HB3	6	0.16
(1,664)	1:752:A:THR:HB	1:799:A:LYS:HE3	11	0.16
(1,647)	1:766:A:LYS:HE2	1:766:A:LYS:HG3	4	0.16
(1,628)	1:778:A:TYR:HB3	1:773:A:ILE:HD11	16	0.16
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	18	0.16
(1,623)	1:733:A:LEU:HB2	1:737:A:ASP:HB3	15	0.16
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	13	0.16
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	12	0.16
(1,416)	1:781:A:LYS:HA	1:780:A:ILE:HG21	20	0.16
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	5	0.16
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	6	0.16
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	12	0.16
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	18	0.16
(1,350)	1:794:A:SER:HA	1:812:A:ASP:HA	4	0.16
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	3	0.16
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	6	0.16
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	9	0.16
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	11	0.16
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	16	0.16
(1,308)	1:771:A:LYS:HA	1:772:A:GLU:HG2	5	0.16
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	1	0.16
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	9	0.16
(1,212)	1:797:A:SER:HA	1:808:A:LEU:HA	9	0.16
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	5	0.16
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	9	0.16
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	10	0.16
(1,152)	1:758:A:ILE:HA	1:759:A:GLU:HG3	5	0.16
(1,144)	1:782:A:THR:HA	1:780:A:ILE:HG21	15	0.16
(1,121)	1:779:A:VAL:HA	1:779:A:VAL:HG11	11	0.16
(1,112)	1:719:A:VAL:HA	1:721:A:PRO:HD2	8	0.16
(1,111)	1:787:A:THR:HA	1:735:A:LEU:HD21	10	0.16
(1,79)	1:742:A:PRO:HA	1:779:A:VAL:HG21	4	0.16
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	5	0.15
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	10	0.15
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	18	0.15
(1,2321)	1:764:A:LYS:H	1:763:A:SER:HB2	12	0.15
(1,2299)	1:778:A:TYR:H	1:743:A:VAL:HG11	1	0.15
(1,2287)	1:754:A:THR:H	1:753:A:LEU:H	16	0.15
(1,2282)	1:794:A:SER:H	1:758:A:ILE:HG13	9	0.15
(1,2276)	1:753:A:LEU:H	1:770:A:ILE:HG21	4	0.15
(1,2276)	1:753:A:LEU:H	1:770:A:ILE:HG21	12	0.15
(1,2259)	1:819:A:ARG:HB3	1:819:A:ARG:HD2	6	0.15
(1,2259)	1:819:A:ARG:HB3	1:819:A:ARG:HD2	13	0.15
(1,2245)	1:727:A:LEU:HD11	1:728:A:HIS:HA	5	0.15
(1,2245)	1:727:A:LEU:HD11	1:728:A:HIS:HA	18	0.15
(1,2212)	1:766:A:LYS:HD3	1:766:A:LYS:HA	15	0.15
(1,2205)	1:781:A:LYS:HE2	1:781:A:LYS:HB2	14	0.15
(1,2202)	1:742:A:PRO:HB3	1:726:A:LYS:HE2	10	0.15
(1,2187)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	4	0.15
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	8	0.15
(1,2178)	1:781:A:LYS:HE2	1:779:A:VAL:HG21	9	0.15
(1,2171)	1:771:A:LYS:HE3	1:752:A:THR:HG21	14	0.15
(1,2170)	1:726:A:LYS:HE3	1:726:A:LYS:HG2	4	0.15
(1,2170)	1:726:A:LYS:HE3	1:726:A:LYS:HG2	8	0.15
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	4	0.15
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	14	0.15
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	15	0.15
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	18	0.15
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	15	0.15
(1,2135)	1:781:A:LYS:HA	1:781:A:LYS:HB3	17	0.15
(1,2135)	1:781:A:LYS:HA	1:781:A:LYS:HB3	20	0.15
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	7	0.15
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	11	0.15
(1,2119)	1:814:A:LYS:HA	1:814:A:LYS:HB2	10	0.15
(1,2110)	1:735:A:LEU:HA	1:817:A:VAL:HG11	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	6	0.15
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	9	0.15
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	10	0.15
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	13	0.15
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	14	0.15
(1,2098)	1:805:A:VAL:HA	1:806:A:VAL:HA	2	0.15
(1,2098)	1:805:A:VAL:HA	1:806:A:VAL:HA	5	0.15
(1,2098)	1:805:A:VAL:HA	1:804:A:CYS:HA	10	0.15
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	3	0.15
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	5	0.15
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	9	0.15
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	12	0.15
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	15	0.15
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	16	0.15
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	19	0.15
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	4	0.15
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	7	0.15
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	10	0.15
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	19	0.15
(1,2079)	1:752:A:THR:H	1:798:A:ILE:HA	12	0.15
(1,2053)	1:803:A:GLY:H	1:799:A:LYS:HE3	4	0.15
(1,2047)	1:740:A:SER:H	1:782:A:THR:HG21	7	0.15
(1,2047)	1:740:A:SER:H	1:782:A:THR:HG21	10	0.15
(1,2023)	1:724:A:SER:H	1:743:A:VAL:HA	17	0.15
(1,1991)	1:793:A:LEU:H	1:758:A:ILE:HG12	7	0.15
(1,1976)	1:748:A:GLN:HE22	1:746:A:LYS:HG2	5	0.15
(1,1949)	1:727:A:LEU:H	1:725:A:LEU:HB2	3	0.15
(1,1949)	1:727:A:LEU:H	1:725:A:LEU:HB2	19	0.15
(1,1949)	1:727:A:LEU:H	1:725:A:LEU:HB2	20	0.15
(1,1942)	1:762:A:SER:H	1:760:A:THR:HB	5	0.15
(1,1929)	1:810:A:GLN:HE21	1:810:A:GLN:HA	19	0.15
(1,1927)	1:735:A:LEU:H	1:735:A:LEU:HB3	2	0.15
(1,1908)	1:776:A:ASN:HD21	1:775:A:THR:HB	3	0.15
(1,1893)	1:777:A:GLU:H	1:776:A:ASN:HB3	3	0.15
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	3	0.15
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	15	0.15
(1,1712)	1:719:A:VAL:H	1:720:A:LYS:HA	5	0.15
(1,1712)	1:719:A:VAL:H	1:720:A:LYS:HA	8	0.15
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	16	0.15
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	6	0.15
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	7	0.15
(1,1551)	1:745:A:LEU:H	1:776:A:ASN:HB2	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:814:A:LYS:H	1:814:A:LYS:HG2	3	0.15
(1,1505)	1:818:A:ARG:H	1:818:A:ARG:HB3	4	0.15
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	19	0.15
(1,1442)	1:816:A:GLN:H	1:731:A:LEU:HG	17	0.15
(1,1430)	1:815:A:ILE:H	1:814:A:LYS:HG3	9	0.15
(1,1430)	1:815:A:ILE:H	1:814:A:LYS:HG3	11	0.15
(1,1426)	1:815:A:ILE:H	1:814:A:LYS:HB2	16	0.15
(1,1414)	1:752:A:THR:H	1:751:A:PHE:HB2	5	0.15
(1,1399)	1:736:A:GLY:H	1:735:A:LEU:HB2	8	0.15
(1,1351)	1:788:A:GLY:H	1:818:A:ARG:HA	5	0.15
(1,1351)	1:788:A:GLY:H	1:818:A:ARG:HA	11	0.15
(1,1326)	1:794:A:SER:H	1:793:A:LEU:HG	20	0.15
(1,1280)	1:753:A:LEU:H	1:753:A:LEU:HG	10	0.15
(1,1256)	1:770:A:ILE:H	1:770:A:ILE:HD11	2	0.15
(1,1252)	1:770:A:ILE:H	1:752:A:THR:HA	4	0.15
(1,1228)	1:768:A:PHE:H	1:768:A:PHE:HD1	1	0.15
(1,1192)	1:758:A:ILE:HG21	1:756:A:ASP:HA	17	0.15
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	1	0.15
(1,1154)	1:742:A:PRO:HD2	1:741:A:VAL:HB	15	0.15
(1,1083)	1:770:A:ILE:HG21	1:755:A:TYR:HE2	18	0.15
(1,1077)	1:757:A:ILE:HG13	1:757:A:ILE:HG21	13	0.15
(1,1074)	1:757:A:ILE:HG12	1:757:A:ILE:HG21	8	0.15
(1,1074)	1:757:A:ILE:HG12	1:757:A:ILE:HG21	14	0.15
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	12	0.15
(1,1046)	1:741:A:VAL:HG21	1:780:A:ILE:HB	12	0.15
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	4	0.15
(1,1035)	1:817:A:VAL:HG11	1:733:A:LEU:HB3	13	0.15
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	2	0.15
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	17	0.15
(1,1011)	1:795:A:LEU:HD21	1:753:A:LEU:HD11	14	0.15
(1,1003)	1:753:A:LEU:HG	1:753:A:LEU:HD11	9	0.15
(1,1003)	1:753:A:LEU:HG	1:753:A:LEU:HD11	13	0.15
(1,991)	1:725:A:LEU:HD21	1:725:A:LEU:HB2	9	0.15
(1,991)	1:725:A:LEU:HD21	1:725:A:LEU:HB2	11	0.15
(1,990)	1:723:A:ALA:HB1	1:746:A:LYS:HB3	10	0.15
(1,980)	1:799:A:LYS:HG3	1:805:A:VAL:HG11	18	0.15
(1,979)	1:799:A:LYS:HG3	1:752:A:THR:HB	14	0.15
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	2	0.15
(1,872)	1:819:A:ARG:HA	1:819:A:ARG:HG3	3	0.15
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	5	0.15
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	16	0.15
(1,765)	1:721:A:PRO:HB2	1:747:A:GLY:HA3	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	4	0.15
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	5	0.15
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	9	0.15
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	4	0.15
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	6	0.15
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	9	0.15
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	20	0.15
(1,667)	1:790:A:ASP:HB2	1:791:A:TYR:HD1	2	0.15
(1,664)	1:752:A:THR:HB	1:799:A:LYS:HE3	6	0.15
(1,659)	1:790:A:ASP:HB3	1:760:A:THR:HA	5	0.15
(1,654)	1:735:A:LEU:HB3	1:735:A:LEU:HD11	6	0.15
(1,628)	1:778:A:TYR:HB3	1:773:A:ILE:HD11	3	0.15
(1,628)	1:778:A:TYR:HB3	1:773:A:ILE:HD11	5	0.15
(1,628)	1:778:A:TYR:HB3	1:773:A:ILE:HD11	8	0.15
(1,628)	1:778:A:TYR:HB3	1:773:A:ILE:HD11	18	0.15
(1,620)	1:733:A:LEU:HB2	1:737:A:ASP:HB2	18	0.15
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	8	0.15
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	10	0.15
(1,563)	1:803:A:GLY:HA3	1:799:A:LYS:HD3	20	0.15
(1,562)	1:788:A:GLY:HA3	1:817:A:VAL:HG11	17	0.15
(1,556)	1:736:A:GLY:HA2	1:735:A:LEU:HB2	15	0.15
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	1	0.15
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	3	0.15
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	5	0.15
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	8	0.15
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	9	0.15
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	14	0.15
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	15	0.15
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	18	0.15
(1,411)	1:793:A:LEU:HA	1:757:A:ILE:HG21	11	0.15
(1,411)	1:793:A:LEU:HA	1:757:A:ILE:HG21	17	0.15
(1,387)	1:729:A:HIS:HA	1:729:A:HIS:HB3	8	0.15
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	14	0.15
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	16	0.15
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	19	0.15
(1,337)	1:725:A:LEU:HA	1:725:A:LEU:HB2	14	0.15
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	10	0.15
(1,212)	1:797:A:SER:HA	1:808:A:LEU:HA	16	0.15
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	3	0.15
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	8	0.15
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	13	0.15
(1,149)	1:754:A:THR:HA	1:754:A:THR:HG21	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:754:A:THR:HA	1:754:A:THR:HG21	7	0.15
(1,149)	1:754:A:THR:HA	1:754:A:THR:HG21	8	0.15
(1,149)	1:754:A:THR:HA	1:754:A:THR:HG21	14	0.15
(1,144)	1:782:A:THR:HA	1:780:A:ILE:HG21	2	0.15
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	1	0.15
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	3	0.15
(1,121)	1:779:A:VAL:HA	1:779:A:VAL:HG11	19	0.15
(1,46)	1:740:A:SER:HB2	1:779:A:VAL:HG21	2	0.15
(1,1)	1:752:A:THR:HB	1:799:A:LYS:HA	6	0.15
(1,1)	1:752:A:THR:HB	1:799:A:LYS:HA	9	0.15
(1,1)	1:752:A:THR:HB	1:799:A:LYS:HA	19	0.15
(1,2342)	1:751:A:PHE:H	1:774:A:LYS:HE2	9	0.14
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	2	0.14
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	7	0.14
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	17	0.14
(1,2324)	1:790:A:ASP:H	1:790:A:ASP:HB3	15	0.14
(1,2324)	1:790:A:ASP:H	1:790:A:ASP:HB3	19	0.14
(1,2312)	1:749:A:GLY:H	1:748:A:GLN:HB3	16	0.14
(1,2287)	1:754:A:THR:H	1:753:A:LEU:H	3	0.14
(1,2282)	1:794:A:SER:H	1:758:A:ILE:HG13	11	0.14
(1,2245)	1:727:A:LEU:HD11	1:728:A:HIS:HA	8	0.14
(1,2244)	1:781:A:LYS:HG3	1:738:A:HIS:HD2	17	0.14
(1,2241)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	13	0.14
(1,2241)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	19	0.14
(1,2239)	1:771:A:LYS:HE2	1:771:A:LYS:HG2	19	0.14
(1,2229)	1:770:A:ILE:HG13	1:755:A:TYR:HE1	18	0.14
(1,2207)	1:819:A:ARG:HB3	1:819:A:ARG:HD3	11	0.14
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	3	0.14
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	6	0.14
(1,2187)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	14	0.14
(1,2180)	1:785:A:PHE:HB2	1:817:A:VAL:HG21	13	0.14
(1,2174)	1:790:A:ASP:HB3	1:791:A:TYR:HA	18	0.14
(1,2174)	1:790:A:ASP:HB3	1:791:A:TYR:HA	20	0.14
(1,2173)	1:791:A:TYR:HB2	1:815:A:ILE:HD11	2	0.14
(1,2171)	1:771:A:LYS:HE3	1:752:A:THR:HG21	1	0.14
(1,2171)	1:771:A:LYS:HE2	1:752:A:THR:HG21	13	0.14
(1,2170)	1:726:A:LYS:HE3	1:726:A:LYS:HG2	3	0.14
(1,2170)	1:771:A:LYS:HE2	1:771:A:LYS:HG2	10	0.14
(1,2170)	1:726:A:LYS:HE3	1:726:A:LYS:HG2	18	0.14
(1,2166)	1:732:A:LYS:HE2	1:732:A:LYS:HG2	2	0.14
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	8	0.14
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	12	0.14
(1,2153)	1:819:A:ARG:HD2	1:819:A:ARG:HA	7	0.14
(1,2150)	1:819:A:ARG:HD3	1:787:A:THR:HA	12	0.14
(1,2144)	1:742:A:PRO:HD3	1:727:A:LEU:HD21	20	0.14
(1,2135)	1:781:A:LYS:HA	1:781:A:LYS:HB3	1	0.14
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	8	0.14
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	15	0.14
(1,2121)	1:732:A:LYS:HA	1:732:A:LYS:HG2	5	0.14
(1,2119)	1:814:A:LYS:HA	1:814:A:LYS:HB2	18	0.14
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	4	0.14
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	7	0.14
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	8	0.14
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	16	0.14
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	19	0.14
(1,2098)	1:805:A:VAL:HA	1:806:A:VAL:HA	6	0.14
(1,2098)	1:805:A:VAL:HA	1:804:A:CYS:HA	9	0.14
(1,2098)	1:805:A:VAL:HA	1:806:A:VAL:HA	11	0.14
(1,2098)	1:805:A:VAL:HA	1:804:A:CYS:HA	13	0.14
(1,2083)	1:760:A:THR:H	1:759:A:GLU:HG2	20	0.14
(1,2047)	1:740:A:SER:H	1:782:A:THR:HG21	2	0.14
(1,2023)	1:724:A:SER:H	1:743:A:VAL:HA	16	0.14
(1,1995)	1:788:A:GLY:H	1:735:A:LEU:HD21	1	0.14
(1,1994)	1:788:A:GLY:H	1:735:A:LEU:HD11	9	0.14
(1,1991)	1:793:A:LEU:H	1:758:A:ILE:HG12	19	0.14
(1,1991)	1:793:A:LEU:H	1:758:A:ILE:HG12	20	0.14
(1,1959)	1:723:A:ALA:H	1:722:A:SER:HB2	6	0.14
(1,1935)	1:775:A:THR:H	1:773:A:ILE:HA	2	0.14
(1,1929)	1:810:A:GLN:HE21	1:810:A:GLN:HA	20	0.14
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	20	0.14
(1,1879)	1:808:A:LEU:H	1:808:A:LEU:HD11	12	0.14
(1,1879)	1:808:A:LEU:H	1:808:A:LEU:HD11	16	0.14
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	8	0.14
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	12	0.14
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	18	0.14
(1,1798)	1:800:A:ASP:H	1:721:A:PRO:HG3	3	0.14
(1,1787)	1:764:A:LYS:H	1:759:A:GLU:HB3	6	0.14
(1,1712)	1:719:A:VAL:H	1:720:A:LYS:HA	1	0.14
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	3	0.14
(1,1690)	1:747:A:GLY:H	1:776:A:ASN:HD21	1	0.14
(1,1690)	1:747:A:GLY:H	1:776:A:ASN:HD21	19	0.14
(1,1646)	1:732:A:LYS:H	1:732:A:LYS:HG3	20	0.14
(1,1620)	1:726:A:LYS:H	1:725:A:LEU:HD11	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1598)	1:720:A:LYS:H	1:718:A:ARG:HA	8	0.14
(1,1580)	1:820:A:ASP:H	1:820:A:ASP:HB3	20	0.14
(1,1579)	1:765:A:ARG:H	1:764:A:LYS:HA	12	0.14
(1,1576)	1:759:A:GLU:H	1:758:A:ILE:HG21	2	0.14
(1,1559)	1:766:A:LYS:H	1:758:A:ILE:HG12	16	0.14
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	14	0.14
(1,1551)	1:745:A:LEU:H	1:776:A:ASN:HB2	14	0.14
(1,1551)	1:745:A:LEU:H	1:776:A:ASN:HB2	20	0.14
(1,1546)	1:814:A:LYS:H	1:814:A:LYS:HG2	7	0.14
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	12	0.14
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	16	0.14
(1,1471)	1:731:A:LEU:H	1:730:A:ASP:HB2	17	0.14
(1,1448)	1:810:A:GLN:H	1:808:A:LEU:HA	8	0.14
(1,1441)	1:754:A:THR:H	1:753:A:LEU:HB2	3	0.14
(1,1441)	1:754:A:THR:H	1:753:A:LEU:HB2	14	0.14
(1,1426)	1:815:A:ILE:H	1:814:A:LYS:HB2	3	0.14
(1,1399)	1:736:A:GLY:H	1:735:A:LEU:HB2	16	0.14
(1,1345)	1:743:A:VAL:H	1:780:A:ILE:HB	13	0.14
(1,1228)	1:768:A:PHE:H	1:768:A:PHE:HD1	4	0.14
(1,1228)	1:768:A:PHE:H	1:768:A:PHE:HD1	13	0.14
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	4	0.14
(1,1154)	1:742:A:PRO:HD2	1:741:A:VAL:HB	1	0.14
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	2	0.14
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	8	0.14
(1,1129)	1:770:A:ILE:HD11	1:755:A:TYR:HD2	17	0.14
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	2	0.14
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	4	0.14
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	13	0.14
(1,1083)	1:770:A:ILE:HG21	1:755:A:TYR:HE2	4	0.14
(1,1077)	1:757:A:ILE:HG13	1:757:A:ILE:HG21	5	0.14
(1,1077)	1:757:A:ILE:HG13	1:757:A:ILE:HG21	8	0.14
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	13	0.14
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	17	0.14
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	4	0.14
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	5	0.14
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	9	0.14
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	12	0.14
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	18	0.14
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	19	0.14
(1,1014)	1:786:A:THR:HG21	1:784:A:VAL:HG21	4	0.14
(1,1003)	1:753:A:LEU:HG	1:753:A:LEU:HD11	16	0.14
(1,988)	1:735:A:LEU:HB2	1:735:A:LEU:HD21	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,980)	1:799:A:LYS:HG3	1:805:A:VAL:HG11	14	0.14
(1,979)	1:799:A:LYS:HG3	1:752:A:THR:HB	18	0.14
(1,977)	1:793:A:LEU:HD21	1:813:A:ALA:HB1	18	0.14
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	14	0.14
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	19	0.14
(1,960)	1:720:A:LYS:HG3	1:719:A:VAL:HG21	11	0.14
(1,958)	1:745:A:LEU:HD22	1:773:A:ILE:HG23	7	0.14
(1,953)	1:743:A:VAL:HB	1:745:A:LEU:HD21	3	0.14
(1,953)	1:743:A:VAL:HB	1:745:A:LEU:HD21	10	0.14
(1,924)	1:793:A:LEU:HD11	1:757:A:ILE:HD11	13	0.14
(1,915)	1:777:A:GLU:HA	1:745:A:LEU:HD11	1	0.14
(1,915)	1:777:A:GLU:HA	1:745:A:LEU:HD11	16	0.14
(1,872)	1:819:A:ARG:HA	1:819:A:ARG:HG3	5	0.14
(1,872)	1:819:A:ARG:HA	1:819:A:ARG:HG3	15	0.14
(1,786)	1:720:A:LYS:HB2	1:720:A:LYS:HE2	10	0.14
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	15	0.14
(1,732)	1:771:A:LYS:HB2	1:752:A:THR:HG21	16	0.14
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	1	0.14
(1,713)	1:777:A:GLU:HG3	1:777:A:GLU:HA	7	0.14
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	8	0.14
(1,708)	1:759:A:GLU:HG2	1:760:A:THR:HG21	2	0.14
(1,708)	1:759:A:GLU:HG2	1:760:A:THR:HG21	4	0.14
(1,705)	1:799:A:LYS:HB2	1:799:A:LYS:HE3	15	0.14
(1,699)	1:772:A:GLU:HG2	1:771:A:LYS:HB3	1	0.14
(1,667)	1:790:A:ASP:HB2	1:791:A:TYR:HD1	5	0.14
(1,664)	1:752:A:THR:HB	1:799:A:LYS:HE3	14	0.14
(1,654)	1:735:A:LEU:HB3	1:735:A:LEU:HD11	12	0.14
(1,638)	1:745:A:LEU:HB3	1:745:A:LEU:HD11	9	0.14
(1,638)	1:745:A:LEU:HB3	1:745:A:LEU:HD11	10	0.14
(1,628)	1:778:A:TYR:HB3	1:773:A:ILE:HD11	7	0.14
(1,628)	1:778:A:TYR:HB3	1:773:A:ILE:HD11	11	0.14
(1,616)	1:818:A:ARG:HD2	1:818:A:ARG:HB2	16	0.14
(1,570)	1:793:A:LEU:HB3	1:793:A:LEU:HD11	13	0.14
(1,507)	1:813:A:ALA:HA	1:727:A:LEU:HB2	13	0.14
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	14	0.14
(1,448)	1:753:A:LEU:HA	1:773:A:ILE:HG21	16	0.14
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	2	0.14
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	6	0.14
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	7	0.14
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	10	0.14
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	11	0.14
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	16	0.14
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	19	0.14
(1,416)	1:781:A:LYS:HA	1:780:A:ILE:HG21	17	0.14
(1,411)	1:793:A:LEU:HA	1:757:A:ILE:HG21	13	0.14
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	7	0.14
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	17	0.14
(1,350)	1:794:A:SER:HA	1:812:A:ASP:HA	3	0.14
(1,350)	1:794:A:SER:HA	1:812:A:ASP:HA	19	0.14
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	7	0.14
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	13	0.14
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	19	0.14
(1,212)	1:797:A:SER:HA	1:808:A:LEU:HA	1	0.14
(1,212)	1:797:A:SER:HA	1:808:A:LEU:HA	7	0.14
(1,212)	1:797:A:SER:HA	1:808:A:LEU:HA	8	0.14
(1,212)	1:797:A:SER:HA	1:808:A:LEU:HA	17	0.14
(1,212)	1:797:A:SER:HA	1:808:A:LEU:HA	20	0.14
(1,207)	1:785:A:PHE:HA	1:785:A:PHE:HD1	2	0.14
(1,167)	1:801:A:SER:HA	1:750:A:PRO:HD3	16	0.14
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	6	0.14
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	18	0.14
(1,149)	1:754:A:THR:HA	1:754:A:THR:HG21	5	0.14
(1,149)	1:754:A:THR:HA	1:754:A:THR:HG21	9	0.14
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	8	0.14
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	16	0.14
(1,133)	1:817:A:VAL:HA	1:817:A:VAL:HG11	8	0.14
(1,121)	1:779:A:VAL:HA	1:779:A:VAL:HG11	4	0.14
(1,109)	1:787:A:THR:HA	1:787:A:THR:HG21	4	0.14
(1,24)	1:794:A:SER:HB3	1:792:A:ILE:HG21	12	0.14
(1,13)	1:760:A:THR:HA	1:792:A:ILE:HD11	16	0.14
(1,13)	1:760:A:THR:HA	1:792:A:ILE:HD11	20	0.14
(1,1)	1:752:A:THR:HB	1:799:A:LYS:HA	13	0.14
(1,1)	1:752:A:THR:HB	1:799:A:LYS:HA	14	0.14
(1,1)	1:752:A:THR:HB	1:799:A:LYS:HA	16	0.14
(1,2303)	1:766:A:LYS:H	1:757:A:ILE:HG21	4	0.13
(1,2299)	1:778:A:TYR:H	1:743:A:VAL:HG11	14	0.13
(1,2299)	1:778:A:TYR:H	1:743:A:VAL:HG11	20	0.13
(1,2296)	1:782:A:THR:H	1:781:A:LYS:HG3	11	0.13
(1,2287)	1:754:A:THR:H	1:753:A:LEU:H	8	0.13
(1,2282)	1:794:A:SER:H	1:758:A:ILE:HG13	10	0.13
(1,2282)	1:794:A:SER:H	1:758:A:ILE:HG13	13	0.13
(1,2276)	1:753:A:LEU:H	1:770:A:ILE:HG21	5	0.13
(1,2276)	1:753:A:LEU:H	1:770:A:ILE:HG21	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2275)	1:741:A:VAL:H	1:780:A:ILE:H	3	0.13
(1,2259)	1:819:A:ARG:HB3	1:819:A:ARG:HD3	14	0.13
(1,2245)	1:727:A:LEU:HD11	1:728:A:HIS:HA	16	0.13
(1,2236)	1:771:A:LYS:HB2	1:771:A:LYS:HG3	12	0.13
(1,2236)	1:764:A:LYS:HG2	1:764:A:LYS:HB2	13	0.13
(1,2233)	1:733:A:LEU:HD21	1:733:A:LEU:HG	5	0.13
(1,2233)	1:733:A:LEU:HD21	1:733:A:LEU:HG	9	0.13
(1,2233)	1:733:A:LEU:HD21	1:733:A:LEU:HG	14	0.13
(1,2229)	1:770:A:ILE:HG13	1:755:A:TYR:HE1	10	0.13
(1,2212)	1:766:A:LYS:HD3	1:766:A:LYS:HA	8	0.13
(1,2184)	1:772:A:GLU:HG2	1:774:A:LYS:HE3	3	0.13
(1,2170)	1:732:A:LYS:HE2	1:732:A:LYS:HG2	2	0.13
(1,2170)	1:726:A:LYS:HE3	1:726:A:LYS:HG2	7	0.13
(1,2153)	1:819:A:ARG:HA	1:819:A:ARG:HD3	3	0.13
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	11	0.13
(1,2135)	1:781:A:LYS:HA	1:781:A:LYS:HB3	3	0.13
(1,2135)	1:781:A:LYS:HA	1:781:A:LYS:HB3	8	0.13
(1,2135)	1:781:A:LYS:HA	1:781:A:LYS:HB3	12	0.13
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	19	0.13
(1,2121)	1:732:A:LYS:HA	1:732:A:LYS:HG2	7	0.13
(1,2121)	1:732:A:LYS:HA	1:732:A:LYS:HG2	17	0.13
(1,2110)	1:735:A:LEU:HA	1:817:A:VAL:HG11	1	0.13
(1,2103)	1:741:A:VAL:HA	1:742:A:PRO:HG3	16	0.13
(1,2102)	1:792:A:ILE:HA	1:792:A:ILE:HG21	3	0.13
(1,2098)	1:805:A:VAL:HA	1:804:A:CYS:HA	8	0.13
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	2	0.13
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	20	0.13
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	1	0.13
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	8	0.13
(1,2070)	1:795:A:LEU:H	1:796:A:VAL:HG21	7	0.13
(1,2059)	1:761:A:PHE:H	1:761:A:PHE:HD1	19	0.13
(1,2047)	1:740:A:SER:H	1:782:A:THR:HG21	9	0.13
(1,2047)	1:740:A:SER:H	1:782:A:THR:HG21	19	0.13
(1,2023)	1:724:A:SER:H	1:743:A:VAL:HA	4	0.13
(1,2023)	1:724:A:SER:H	1:743:A:VAL:HA	8	0.13
(1,1991)	1:793:A:LEU:H	1:758:A:ILE:HG12	5	0.13
(1,1960)	1:723:A:ALA:H	1:722:A:SER:HB3	15	0.13
(1,1949)	1:727:A:LEU:H	1:725:A:LEU:HB2	13	0.13
(1,1942)	1:762:A:SER:H	1:760:A:THR:HB	18	0.13
(1,1935)	1:775:A:THR:H	1:773:A:ILE:HA	1	0.13
(1,1935)	1:775:A:THR:H	1:773:A:ILE:HA	17	0.13
(1,1935)	1:775:A:THR:H	1:773:A:ILE:HA	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1929)	1:810:A:GLN:HE21	1:810:A:GLN:HA	16	0.13
(1,1918)	1:787:A:THR:H	1:817:A:VAL:HG11	18	0.13
(1,1852)	1:784:A:VAL:H	1:783:A:PRO:HB2	5	0.13
(1,1852)	1:784:A:VAL:H	1:783:A:PRO:HB2	14	0.13
(1,1852)	1:784:A:VAL:H	1:783:A:PRO:HB2	17	0.13
(1,1846)	1:767:A:THR:H	1:767:A:THR:HB	1	0.13
(1,1846)	1:767:A:THR:H	1:767:A:THR:HB	16	0.13
(1,1846)	1:767:A:THR:H	1:767:A:THR:HB	18	0.13
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	13	0.13
(1,1787)	1:764:A:LYS:H	1:759:A:GLU:HB3	19	0.13
(1,1787)	1:764:A:LYS:H	1:759:A:GLU:HB3	20	0.13
(1,1783)	1:772:A:GLU:H	1:771:A:LYS:HB2	18	0.13
(1,1743)	1:781:A:LYS:H	1:780:A:ILE:HG21	7	0.13
(1,1743)	1:781:A:LYS:H	1:780:A:ILE:HG21	10	0.13
(1,1743)	1:781:A:LYS:H	1:780:A:ILE:HG21	18	0.13
(1,1700)	1:739:A:SER:H	1:738:A:HIS:H	9	0.13
(1,1700)	1:739:A:SER:H	1:738:A:HIS:H	10	0.13
(1,1700)	1:739:A:SER:H	1:738:A:HIS:H	11	0.13
(1,1700)	1:739:A:SER:H	1:738:A:HIS:H	14	0.13
(1,1700)	1:739:A:SER:H	1:738:A:HIS:H	15	0.13
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	12	0.13
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	17	0.13
(1,1646)	1:732:A:LYS:H	1:732:A:LYS:HG3	17	0.13
(1,1620)	1:726:A:LYS:H	1:725:A:LEU:HD11	14	0.13
(1,1598)	1:720:A:LYS:H	1:718:A:ARG:HA	14	0.13
(1,1581)	1:765:A:ARG:H	1:759:A:GLU:HG2	4	0.13
(1,1579)	1:765:A:ARG:H	1:764:A:LYS:HA	2	0.13
(1,1579)	1:765:A:ARG:H	1:764:A:LYS:HA	10	0.13
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	19	0.13
(1,1551)	1:745:A:LEU:H	1:776:A:ASN:HB2	3	0.13
(1,1547)	1:814:A:LYS:H	1:813:A:ALA:HB1	10	0.13
(1,1505)	1:818:A:ARG:H	1:818:A:ARG:HB3	2	0.13
(1,1448)	1:810:A:GLN:H	1:808:A:LEU:HA	7	0.13
(1,1448)	1:810:A:GLN:H	1:808:A:LEU:HA	10	0.13
(1,1448)	1:810:A:GLN:H	1:808:A:LEU:HA	12	0.13
(1,1448)	1:810:A:GLN:H	1:808:A:LEU:HA	13	0.13
(1,1430)	1:815:A:ILE:H	1:814:A:LYS:HG3	5	0.13
(1,1351)	1:788:A:GLY:H	1:818:A:ARG:HA	12	0.13
(1,1351)	1:788:A:GLY:H	1:818:A:ARG:HA	16	0.13
(1,1345)	1:743:A:VAL:H	1:780:A:ILE:HB	9	0.13
(1,1345)	1:743:A:VAL:H	1:780:A:ILE:HB	19	0.13
(1,1309)	1:794:A:SER:H	1:793:A:LEU:HB2	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:794:A:SER:H	1:793:A:LEU:HB2	9	0.13
(1,1256)	1:770:A:ILE:H	1:770:A:ILE:HD11	6	0.13
(1,1256)	1:770:A:ILE:H	1:770:A:ILE:HD11	13	0.13
(1,1252)	1:770:A:ILE:H	1:752:A:THR:HA	8	0.13
(1,1192)	1:758:A:ILE:HG21	1:756:A:ASP:HA	8	0.13
(1,1180)	1:757:A:ILE:HG12	1:755:A:TYR:HD1	7	0.13
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	8	0.13
(1,1175)	1:777:A:GLU:HG2	1:777:A:GLU:HB2	10	0.13
(1,1152)	1:812:A:ASP:HA	1:793:A:LEU:HG	2	0.13
(1,1152)	1:812:A:ASP:HA	1:793:A:LEU:HG	7	0.13
(1,1152)	1:812:A:ASP:HA	1:793:A:LEU:HG	15	0.13
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	12	0.13
(1,1103)	1:753:A:LEU:HB3	1:773:A:ILE:HG21	18	0.13
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	3	0.13
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	6	0.13
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	7	0.13
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	10	0.13
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	14	0.13
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	17	0.13
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	19	0.13
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	20	0.13
(1,1074)	1:757:A:ILE:HG12	1:757:A:ILE:HG21	4	0.13
(1,1074)	1:757:A:ILE:HG12	1:757:A:ILE:HG21	5	0.13
(1,1059)	1:773:A:ILE:HD11	1:778:A:TYR:HB2	13	0.13
(1,1045)	1:806:A:VAL:HG21	1:721:A:PRO:HD3	3	0.13
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	10	0.13
(1,979)	1:799:A:LYS:HG3	1:752:A:THR:HB	8	0.13
(1,979)	1:799:A:LYS:HG3	1:752:A:THR:HB	11	0.13
(1,967)	1:731:A:LEU:HB2	1:731:A:LEU:HD11	9	0.13
(1,961)	1:732:A:LYS:HA	1:732:A:LYS:HG3	13	0.13
(1,957)	1:745:A:LEU:HD22	1:753:A:LEU:HD22	16	0.13
(1,953)	1:743:A:VAL:HB	1:745:A:LEU:HD21	8	0.13
(1,953)	1:743:A:VAL:HB	1:745:A:LEU:HD21	12	0.13
(1,953)	1:743:A:VAL:HB	1:745:A:LEU:HD21	19	0.13
(1,909)	1:721:A:PRO:HG2	1:806:A:VAL:HG13	17	0.13
(1,902)	1:731:A:LEU:HA	1:731:A:LEU:HG	11	0.13
(1,902)	1:731:A:LEU:HA	1:731:A:LEU:HG	19	0.13
(1,789)	1:720:A:LYS:HB2	1:806:A:VAL:HG11	8	0.13
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	17	0.13
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	1	0.13
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	6	0.13
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	19	0.13
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	7	0.13
(1,731)	1:771:A:LYS:HB2	1:752:A:THR:HA	14	0.13
(1,712)	1:777:A:GLU:HG3	1:777:A:GLU:HB3	10	0.13
(1,708)	1:759:A:GLU:HG2	1:760:A:THR:HG21	12	0.13
(1,705)	1:799:A:LYS:HB2	1:799:A:LYS:HE3	19	0.13
(1,681)	1:757:A:ILE:HB	1:766:A:LYS:HB2	3	0.13
(1,664)	1:752:A:THR:HB	1:799:A:LYS:HE3	2	0.13
(1,638)	1:745:A:LEU:HB3	1:745:A:LEU:HD11	7	0.13
(1,638)	1:745:A:LEU:HB3	1:745:A:LEU:HD11	8	0.13
(1,628)	1:778:A:TYR:HB3	1:773:A:ILE:HD11	2	0.13
(1,628)	1:778:A:TYR:HB3	1:773:A:ILE:HD11	10	0.13
(1,628)	1:778:A:TYR:HB3	1:773:A:ILE:HD11	14	0.13
(1,628)	1:778:A:TYR:HB3	1:773:A:ILE:HD11	20	0.13
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	3	0.13
(1,623)	1:733:A:LEU:HB2	1:737:A:ASP:HB3	4	0.13
(1,616)	1:818:A:ARG:HD2	1:818:A:ARG:HB2	1	0.13
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	15	0.13
(1,570)	1:793:A:LEU:HB3	1:793:A:LEU:HD11	17	0.13
(1,518)	1:811:A:PRO:HD3	1:810:A:GLN:HG3	2	0.13
(1,518)	1:811:A:PRO:HD3	1:810:A:GLN:HG3	3	0.13
(1,494)	1:744:A:ALA:HA	1:744:A:ALA:HB1	20	0.13
(1,456)	1:753:A:LEU:HA	1:798:A:ILE:HD11	15	0.13
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	17	0.13
(1,430)	1:818:A:ARG:HA	1:818:A:ARG:HB2	7	0.13
(1,430)	1:818:A:ARG:HA	1:818:A:ARG:HB2	12	0.13
(1,430)	1:818:A:ARG:HA	1:818:A:ARG:HB2	16	0.13
(1,430)	1:818:A:ARG:HA	1:818:A:ARG:HB2	19	0.13
(1,416)	1:781:A:LYS:HA	1:780:A:ILE:HG21	1	0.13
(1,416)	1:781:A:LYS:HA	1:780:A:ILE:HG21	4	0.13
(1,416)	1:781:A:LYS:HA	1:780:A:ILE:HG21	8	0.13
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	3	0.13
(1,380)	1:765:A:ARG:HA	1:758:A:ILE:HG12	5	0.13
(1,374)	1:746:A:LYS:HA	1:746:A:LYS:HE2	16	0.13
(1,357)	1:816:A:GLN:HA	1:790:A:ASP:HB2	8	0.13
(1,278)	1:751:A:PHE:HA	1:800:A:ASP:HB3	20	0.13
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	6	0.13
(1,258)	1:734:A:CYS:HA	1:819:A:ARG:HB3	12	0.13
(1,231)	1:734:A:CYS:HA	1:819:A:ARG:HA	11	0.13
(1,212)	1:797:A:SER:HA	1:808:A:LEU:HA	10	0.13
(1,212)	1:797:A:SER:HA	1:808:A:LEU:HA	14	0.13
(1,212)	1:797:A:SER:HA	1:808:A:LEU:HA	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:743:A:VAL:HA	1:726:A:LYS:HG2	2	0.13
(1,183)	1:743:A:VAL:HA	1:726:A:LYS:HG2	3	0.13
(1,183)	1:743:A:VAL:HA	1:726:A:LYS:HG2	13	0.13
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	1	0.13
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	4	0.13
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	11	0.13
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	19	0.13
(1,149)	1:754:A:THR:HA	1:754:A:THR:HG21	18	0.13
(1,149)	1:754:A:THR:HA	1:754:A:THR:HG21	20	0.13
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	20	0.13
(1,109)	1:787:A:THR:HA	1:787:A:THR:HG21	10	0.13
(1,79)	1:742:A:PRO:HA	1:779:A:VAL:HG21	11	0.13
(1,65)	1:801:A:SER:HB3	1:750:A:PRO:HD3	11	0.13
(1,1)	1:752:A:THR:HB	1:799:A:LYS:HA	18	0.13
(1,2338)	1:727:A:LEU:H	1:727:A:LEU:HD11	9	0.12
(1,2336)	1:727:A:LEU:H	1:727:A:LEU:HA	9	0.12
(1,2299)	1:778:A:TYR:H	1:743:A:VAL:HG11	15	0.12
(1,2282)	1:794:A:SER:H	1:758:A:ILE:HG13	3	0.12
(1,2235)	1:764:A:LYS:HB3	1:764:A:LYS:HG2	3	0.12
(1,2235)	1:764:A:LYS:HB3	1:764:A:LYS:HG2	7	0.12
(1,2235)	1:814:A:LYS:HB3	1:814:A:LYS:HG2	19	0.12
(1,2233)	1:733:A:LEU:HD21	1:733:A:LEU:HG	3	0.12
(1,2212)	1:766:A:LYS:HD3	1:766:A:LYS:HA	9	0.12
(1,2212)	1:766:A:LYS:HD3	1:766:A:LYS:HA	14	0.12
(1,2205)	1:781:A:LYS:HE2	1:781:A:LYS:HB2	5	0.12
(1,2205)	1:781:A:LYS:HE2	1:781:A:LYS:HB2	6	0.12
(1,2202)	1:742:A:PRO:HB3	1:726:A:LYS:HE2	15	0.12
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	9	0.12
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	16	0.12
(1,2179)	1:790:A:ASP:HB3	1:760:A:THR:HG21	2	0.12
(1,2179)	1:790:A:ASP:HB3	1:760:A:THR:HG21	9	0.12
(1,2178)	1:781:A:LYS:HE3	1:779:A:VAL:HG21	13	0.12
(1,2171)	1:771:A:LYS:HE2	1:752:A:THR:HG21	10	0.12
(1,2171)	1:771:A:LYS:HE2	1:752:A:THR:HG21	11	0.12
(1,2171)	1:771:A:LYS:HE2	1:752:A:THR:HG21	15	0.12
(1,2164)	1:774:A:LYS:HE2	1:774:A:LYS:HG2	16	0.12
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	1	0.12
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	10	0.12
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	13	0.12
(1,2128)	1:746:A:LYS:HA	1:746:A:LYS:HB2	1	0.12
(1,2119)	1:814:A:LYS:HA	1:814:A:LYS:HB2	6	0.12
(1,2119)	1:814:A:LYS:HA	1:814:A:LYS:HB2	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	8	0.12
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	4	0.12
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	6	0.12
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	15	0.12
(1,2079)	1:752:A:THR:H	1:798:A:ILE:HA	4	0.12
(1,2070)	1:795:A:LEU:H	1:796:A:VAL:HG21	17	0.12
(1,2047)	1:740:A:SER:H	1:782:A:THR:HG21	15	0.12
(1,2038)	1:726:A:LYS:H	1:726:A:LYS:HB3	11	0.12
(1,2023)	1:724:A:SER:H	1:743:A:VAL:HA	1	0.12
(1,2023)	1:724:A:SER:H	1:743:A:VAL:HA	6	0.12
(1,2023)	1:724:A:SER:H	1:743:A:VAL:HA	13	0.12
(1,2023)	1:724:A:SER:H	1:743:A:VAL:HA	19	0.12
(1,1994)	1:788:A:GLY:H	1:735:A:LEU:HD11	14	0.12
(1,1959)	1:723:A:ALA:H	1:722:A:SER:HB2	9	0.12
(1,1935)	1:775:A:THR:H	1:773:A:ILE:HA	6	0.12
(1,1927)	1:735:A:LEU:H	1:735:A:LEU:HB3	4	0.12
(1,1918)	1:787:A:THR:H	1:817:A:VAL:HG11	12	0.12
(1,1918)	1:787:A:THR:H	1:817:A:VAL:HG11	17	0.12
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	15	0.12
(1,1894)	1:777:A:GLU:H	1:777:A:GLU:HG2	13	0.12
(1,1852)	1:784:A:VAL:H	1:783:A:PRO:HB2	2	0.12
(1,1852)	1:784:A:VAL:H	1:783:A:PRO:HB2	7	0.12
(1,1852)	1:784:A:VAL:H	1:783:A:PRO:HB2	16	0.12
(1,1846)	1:767:A:THR:H	1:767:A:THR:HB	10	0.12
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	9	0.12
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	20	0.12
(1,1783)	1:772:A:GLU:H	1:771:A:LYS:HB2	5	0.12
(1,1783)	1:772:A:GLU:H	1:771:A:LYS:HB2	16	0.12
(1,1783)	1:772:A:GLU:H	1:771:A:LYS:HB2	17	0.12
(1,1743)	1:781:A:LYS:H	1:780:A:ILE:HG21	2	0.12
(1,1743)	1:781:A:LYS:H	1:780:A:ILE:HG21	15	0.12
(1,1712)	1:719:A:VAL:H	1:720:A:LYS:HA	6	0.12
(1,1712)	1:719:A:VAL:H	1:720:A:LYS:HA	7	0.12
(1,1712)	1:719:A:VAL:H	1:720:A:LYS:HA	14	0.12
(1,1700)	1:739:A:SER:H	1:738:A:HIS:H	3	0.12
(1,1700)	1:739:A:SER:H	1:738:A:HIS:H	13	0.12
(1,1700)	1:739:A:SER:H	1:738:A:HIS:H	19	0.12
(1,1698)	1:747:A:GLY:H	1:746:A:LYS:HB3	1	0.12
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	10	0.12
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	15	0.12
(1,1690)	1:747:A:GLY:H	1:776:A:ASN:HD21	14	0.12
(1,1646)	1:732:A:LYS:H	1:732:A:LYS:HG3	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1620)	1:726:A:LYS:H	1:725:A:LEU:HD11	5	0.12
(1,1620)	1:726:A:LYS:H	1:725:A:LEU:HD11	9	0.12
(1,1620)	1:726:A:LYS:H	1:725:A:LEU:HD11	18	0.12
(1,1598)	1:720:A:LYS:H	1:718:A:ARG:HA	2	0.12
(1,1579)	1:765:A:ARG:H	1:764:A:LYS:HA	8	0.12
(1,1576)	1:759:A:GLU:H	1:758:A:ILE:HG21	8	0.12
(1,1576)	1:759:A:GLU:H	1:758:A:ILE:HG21	13	0.12
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	18	0.12
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	20	0.12
(1,1551)	1:745:A:LEU:H	1:776:A:ASN:HB2	7	0.12
(1,1551)	1:745:A:LEU:H	1:776:A:ASN:HB2	8	0.12
(1,1547)	1:814:A:LYS:H	1:813:A:ALA:HB1	6	0.12
(1,1547)	1:814:A:LYS:H	1:813:A:ALA:HB1	18	0.12
(1,1546)	1:814:A:LYS:H	1:814:A:LYS:HG2	16	0.12
(1,1545)	1:814:A:LYS:H	1:814:A:LYS:HB3	20	0.12
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	11	0.12
(1,1516)	1:789:A:GLY:H	1:816:A:GLN:HE22	17	0.12
(1,1512)	1:789:A:GLY:H	1:817:A:VAL:HG11	19	0.12
(1,1506)	1:818:A:ARG:H	1:733:A:LEU:HB3	4	0.12
(1,1505)	1:818:A:ARG:H	1:818:A:ARG:HB3	17	0.12
(1,1448)	1:810:A:GLN:H	1:808:A:LEU:HA	17	0.12
(1,1441)	1:754:A:THR:H	1:753:A:LEU:HB2	8	0.12
(1,1441)	1:754:A:THR:H	1:753:A:LEU:HB2	9	0.12
(1,1441)	1:754:A:THR:H	1:753:A:LEU:HB2	10	0.12
(1,1414)	1:752:A:THR:H	1:751:A:PHE:HB2	4	0.12
(1,1414)	1:752:A:THR:H	1:751:A:PHE:HB2	11	0.12
(1,1399)	1:736:A:GLY:H	1:735:A:LEU:HB2	13	0.12
(1,1392)	1:751:A:PHE:H	1:773:A:ILE:HG12	4	0.12
(1,1389)	1:734:A:CYS:H	1:733:A:LEU:HB2	15	0.12
(1,1363)	1:774:A:LYS:H	1:774:A:LYS:HG2	20	0.12
(1,1351)	1:788:A:GLY:H	1:818:A:ARG:HA	3	0.12
(1,1351)	1:788:A:GLY:H	1:818:A:ARG:HA	8	0.12
(1,1345)	1:743:A:VAL:H	1:780:A:ILE:HB	14	0.12
(1,1309)	1:794:A:SER:H	1:793:A:LEU:HB2	2	0.12
(1,1309)	1:794:A:SER:H	1:793:A:LEU:HB2	7	0.12
(1,1309)	1:794:A:SER:H	1:793:A:LEU:HB2	15	0.12
(1,1309)	1:794:A:SER:H	1:793:A:LEU:HB2	16	0.12
(1,1252)	1:770:A:ILE:H	1:752:A:THR:HA	14	0.12
(1,1252)	1:770:A:ILE:H	1:752:A:THR:HA	16	0.12
(1,1252)	1:770:A:ILE:H	1:752:A:THR:HA	17	0.12
(1,1228)	1:768:A:PHE:H	1:768:A:PHE:HD1	8	0.12
(1,1201)	1:758:A:ILE:H	1:758:A:ILE:HB	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1201)	1:758:A:ILE:H	1:758:A:ILE:HB	11	0.12
(1,1201)	1:758:A:ILE:H	1:758:A:ILE:HB	16	0.12
(1,1192)	1:758:A:ILE:HG21	1:756:A:ASP:HA	2	0.12
(1,1192)	1:758:A:ILE:HG21	1:756:A:ASP:HA	11	0.12
(1,1192)	1:758:A:ILE:HG21	1:756:A:ASP:HA	15	0.12
(1,1189)	1:742:A:PRO:HB2	1:779:A:VAL:HG11	19	0.12
(1,1172)	1:765:A:ARG:HB3	1:758:A:ILE:HG21	15	0.12
(1,1152)	1:812:A:ASP:HA	1:793:A:LEU:HG	3	0.12
(1,1146)	1:730:A:ASP:HA	1:815:A:ILE:HD11	3	0.12
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	7	0.12
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	10	0.12
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	14	0.12
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	19	0.12
(1,1090)	1:798:A:ILE:HG21	1:805:A:VAL:HA	9	0.12
(1,1090)	1:798:A:ILE:HG21	1:805:A:VAL:HA	16	0.12
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	1	0.12
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	8	0.12
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	9	0.12
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	11	0.12
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	15	0.12
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	18	0.12
(1,1083)	1:770:A:ILE:HG21	1:755:A:TYR:HE2	5	0.12
(1,1083)	1:770:A:ILE:HG21	1:755:A:TYR:HE2	6	0.12
(1,1077)	1:757:A:ILE:HG13	1:757:A:ILE:HG21	4	0.12
(1,1074)	1:757:A:ILE:HG12	1:757:A:ILE:HG21	2	0.12
(1,1074)	1:757:A:ILE:HG12	1:757:A:ILE:HG21	6	0.12
(1,1074)	1:757:A:ILE:HG12	1:757:A:ILE:HG21	11	0.12
(1,1074)	1:757:A:ILE:HG12	1:757:A:ILE:HG21	13	0.12
(1,1074)	1:757:A:ILE:HG12	1:757:A:ILE:HG21	19	0.12
(1,1058)	1:773:A:ILE:HD11	1:775:A:THR:HA	18	0.12
(1,1054)	1:796:A:VAL:HG21	1:797:A:SER:HB2	18	0.12
(1,1046)	1:741:A:VAL:HG21	1:780:A:ILE:HB	4	0.12
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	3	0.12
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	6	0.12
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	8	0.12
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	15	0.12
(1,990)	1:723:A:ALA:HB1	1:746:A:LYS:HB3	2	0.12
(1,982)	1:733:A:LEU:HD11	1:732:A:LYS:HA	4	0.12
(1,979)	1:799:A:LYS:HG3	1:752:A:THR:HB	7	0.12
(1,953)	1:743:A:VAL:HB	1:745:A:LEU:HD21	17	0.12
(1,902)	1:731:A:LEU:HA	1:731:A:LEU:HG	13	0.12
(1,876)	1:733:A:LEU:HA	1:733:A:LEU:HG	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,864)	1:772:A:GLU:HB2	1:750:A:PRO:HB3	5	0.12
(1,780)	1:817:A:VAL:HB	1:816:A:GLN:HE22	3	0.12
(1,713)	1:777:A:GLU:HG3	1:777:A:GLU:HA	4	0.12
(1,708)	1:759:A:GLU:HG2	1:760:A:THR:HG21	3	0.12
(1,708)	1:759:A:GLU:HG2	1:760:A:THR:HG21	7	0.12
(1,708)	1:759:A:GLU:HG2	1:760:A:THR:HG21	15	0.12
(1,683)	1:780:A:ILE:HB	1:741:A:VAL:HG11	19	0.12
(1,681)	1:757:A:ILE:HB	1:766:A:LYS:HB2	17	0.12
(1,669)	1:730:A:ASP:HB2	1:815:A:ILE:HA	10	0.12
(1,664)	1:752:A:THR:HB	1:799:A:LYS:HE3	7	0.12
(1,664)	1:752:A:THR:HB	1:799:A:LYS:HE3	10	0.12
(1,659)	1:790:A:ASP:HB3	1:760:A:THR:HA	20	0.12
(1,638)	1:745:A:LEU:HB3	1:745:A:LEU:HD11	12	0.12
(1,638)	1:745:A:LEU:HB3	1:745:A:LEU:HD11	15	0.12
(1,638)	1:745:A:LEU:HB3	1:745:A:LEU:HD11	19	0.12
(1,628)	1:778:A:TYR:HB3	1:773:A:ILE:HD11	9	0.12
(1,627)	1:812:A:ASP:HB3	1:792:A:ILE:HG21	8	0.12
(1,616)	1:818:A:ARG:HD2	1:818:A:ARG:HB2	7	0.12
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	3	0.12
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	17	0.12
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	6	0.12
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	7	0.12
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	9	0.12
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	11	0.12
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	14	0.12
(1,494)	1:744:A:ALA:HA	1:744:A:ALA:HB1	12	0.12
(1,440)	1:799:A:LYS:HA	1:799:A:LYS:HB3	4	0.12
(1,430)	1:818:A:ARG:HA	1:818:A:ARG:HB2	1	0.12
(1,430)	1:818:A:ARG:HA	1:818:A:ARG:HB2	2	0.12
(1,430)	1:818:A:ARG:HA	1:818:A:ARG:HB2	3	0.12
(1,430)	1:818:A:ARG:HA	1:818:A:ARG:HB2	4	0.12
(1,430)	1:818:A:ARG:HA	1:818:A:ARG:HB2	17	0.12
(1,416)	1:781:A:LYS:HA	1:780:A:ILE:HG21	12	0.12
(1,416)	1:781:A:LYS:HA	1:780:A:ILE:HG21	19	0.12
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	1	0.12
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	20	0.12
(1,357)	1:816:A:GLN:HA	1:790:A:ASP:HB2	1	0.12
(1,357)	1:816:A:GLN:HA	1:790:A:ASP:HB2	15	0.12
(1,350)	1:794:A:SER:HA	1:812:A:ASP:HA	2	0.12
(1,350)	1:794:A:SER:HA	1:812:A:ASP:HA	9	0.12
(1,336)	1:725:A:LEU:HA	1:743:A:VAL:HB	1	0.12
(1,336)	1:725:A:LEU:HA	1:743:A:VAL:HB	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,296)	1:819:A:ARG:HA	1:819:A:ARG:HD3	3	0.12
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	2	0.12
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	6	0.12
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	15	0.12
(1,207)	1:785:A:PHE:HA	1:785:A:PHE:HD1	10	0.12
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	12	0.12
(1,149)	1:754:A:THR:HA	1:754:A:THR:HG21	13	0.12
(1,143)	1:782:A:THR:HA	1:782:A:THR:HG21	11	0.12
(1,135)	1:817:A:VAL:HA	1:817:A:VAL:HG21	8	0.12
(1,111)	1:787:A:THR:HA	1:735:A:LEU:HD21	6	0.12
(1,79)	1:742:A:PRO:HA	1:779:A:VAL:HG21	1	0.12
(1,79)	1:742:A:PRO:HA	1:779:A:VAL:HG21	9	0.12
(1,43)	1:796:A:VAL:HA	1:796:A:VAL:HG21	3	0.12
(1,24)	1:794:A:SER:HB3	1:792:A:ILE:HG21	8	0.12
(1,15)	1:782:A:THR:HB	1:785:A:PHE:HE1	4	0.12
(1,2338)	1:727:A:LEU:H	1:725:A:LEU:HD11	4	0.11
(1,2303)	1:766:A:LYS:H	1:757:A:ILE:HG21	11	0.11
(1,2294)	1:818:A:ARG:H	1:817:A:VAL:H	19	0.11
(1,2290)	1:810:A:GLN:H	1:810:A:GLN:HG3	15	0.11
(1,2276)	1:753:A:LEU:H	1:770:A:ILE:HG21	1	0.11
(1,2276)	1:753:A:LEU:H	1:770:A:ILE:HG21	6	0.11
(1,2276)	1:753:A:LEU:H	1:770:A:ILE:HG21	14	0.11
(1,2275)	1:741:A:VAL:H	1:780:A:ILE:H	18	0.11
(1,2244)	1:781:A:LYS:HG3	1:738:A:HIS:HD2	2	0.11
(1,2244)	1:781:A:LYS:HG2	1:738:A:HIS:HD2	16	0.11
(1,2242)	1:735:A:LEU:HG	1:735:A:LEU:HD11	10	0.11
(1,2242)	1:735:A:LEU:HG	1:735:A:LEU:HD11	20	0.11
(1,2241)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	7	0.11
(1,2239)	1:771:A:LYS:HE2	1:771:A:LYS:HG2	7	0.11
(1,2239)	1:771:A:LYS:HE2	1:771:A:LYS:HG2	20	0.11
(1,2237)	1:771:A:LYS:HE2	1:771:A:LYS:HG2	17	0.11
(1,2235)	1:814:A:LYS:HB3	1:814:A:LYS:HG2	10	0.11
(1,2227)	1:718:A:ARG:HG2	1:718:A:ARG:HB2	6	0.11
(1,2205)	1:781:A:LYS:HE2	1:781:A:LYS:HB2	17	0.11
(1,2187)	1:772:A:GLU:HG2	1:772:A:GLU:HB3	12	0.11
(1,2181)	1:757:A:ILE:HB	1:757:A:ILE:HG13	3	0.11
(1,2181)	1:757:A:ILE:HB	1:757:A:ILE:HG21	7	0.11
(1,2174)	1:790:A:ASP:HB2	1:791:A:TYR:HA	15	0.11
(1,2153)	1:819:A:ARG:HD2	1:819:A:ARG:HA	14	0.11
(1,2153)	1:819:A:ARG:HD2	1:819:A:ARG:HA	17	0.11
(1,2135)	1:781:A:LYS:HA	1:781:A:LYS:HB3	9	0.11
(1,2135)	1:781:A:LYS:HA	1:781:A:LYS:HB2	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2113)	1:778:A:TYR:HA	1:773:A:ILE:HD11	10	0.11
(1,2099)	1:805:A:VAL:HA	1:799:A:LYS:HG3	5	0.11
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	8	0.11
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	9	0.11
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	11	0.11
(1,2062)	1:777:A:GLU:H	1:744:A:ALA:HA	13	0.11
(1,2047)	1:740:A:SER:H	1:782:A:THR:HG21	13	0.11
(1,2038)	1:726:A:LYS:H	1:726:A:LYS:HB3	12	0.11
(1,2038)	1:726:A:LYS:H	1:726:A:LYS:HB3	14	0.11
(1,2023)	1:724:A:SER:H	1:743:A:VAL:HA	9	0.11
(1,2023)	1:724:A:SER:H	1:743:A:VAL:HA	11	0.11
(1,2023)	1:724:A:SER:H	1:743:A:VAL:HA	15	0.11
(1,1982)	1:748:A:GLN:H	1:746:A:LYS:HG2	3	0.11
(1,1959)	1:723:A:ALA:H	1:722:A:SER:HB2	13	0.11
(1,1947)	1:762:A:SER:H	1:759:A:GLU:HB3	5	0.11
(1,1942)	1:762:A:SER:H	1:760:A:THR:HB	15	0.11
(1,1935)	1:775:A:THR:H	1:773:A:ILE:HA	7	0.11
(1,1927)	1:735:A:LEU:H	1:735:A:LEU:HB3	17	0.11
(1,1918)	1:787:A:THR:H	1:817:A:VAL:HG11	3	0.11
(1,1918)	1:787:A:THR:H	1:817:A:VAL:HG11	10	0.11
(1,1918)	1:787:A:THR:H	1:817:A:VAL:HG11	15	0.11
(1,1896)	1:777:A:GLU:H	1:777:A:GLU:HB3	7	0.11
(1,1852)	1:784:A:VAL:H	1:783:A:PRO:HB2	9	0.11
(1,1846)	1:767:A:THR:H	1:767:A:THR:HB	7	0.11
(1,1846)	1:767:A:THR:H	1:767:A:THR:HB	12	0.11
(1,1828)	1:785:A:PHE:H	1:784:A:VAL:HG11	20	0.11
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	6	0.11
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	16	0.11
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	17	0.11
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	19	0.11
(1,1743)	1:781:A:LYS:H	1:780:A:ILE:HG21	5	0.11
(1,1743)	1:781:A:LYS:H	1:780:A:ILE:HG21	6	0.11
(1,1743)	1:781:A:LYS:H	1:780:A:ILE:HG21	8	0.11
(1,1743)	1:781:A:LYS:H	1:780:A:ILE:HG21	12	0.11
(1,1729)	1:781:A:LYS:H	1:782:A:THR:H	1	0.11
(1,1712)	1:719:A:VAL:H	1:720:A:LYS:HA	2	0.11
(1,1712)	1:719:A:VAL:H	1:720:A:LYS:HA	15	0.11
(1,1700)	1:739:A:SER:H	1:738:A:HIS:H	5	0.11
(1,1700)	1:739:A:SER:H	1:738:A:HIS:H	16	0.11
(1,1690)	1:747:A:GLY:H	1:776:A:ASN:HD21	7	0.11
(1,1690)	1:747:A:GLY:H	1:776:A:ASN:HD21	18	0.11
(1,1683)	1:812:A:ASP:H	1:811:A:PRO:HB2	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1642)	1:731:A:LEU:H	1:732:A:LYS:H	1	0.11
(1,1630)	1:722:A:SER:H	1:721:A:PRO:HB3	5	0.11
(1,1620)	1:726:A:LYS:H	1:725:A:LEU:HD11	2	0.11
(1,1620)	1:726:A:LYS:H	1:725:A:LEU:HD11	17	0.11
(1,1611)	1:720:A:LYS:H	1:721:A:PRO:HG2	12	0.11
(1,1594)	1:771:A:LYS:H	1:753:A:LEU:H	13	0.11
(1,1580)	1:820:A:ASP:H	1:820:A:ASP:HB3	11	0.11
(1,1579)	1:765:A:ARG:H	1:764:A:LYS:HA	9	0.11
(1,1579)	1:765:A:ARG:H	1:764:A:LYS:HA	13	0.11
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	11	0.11
(1,1557)	1:766:A:LYS:H	1:767:A:THR:H	13	0.11
(1,1551)	1:745:A:LEU:H	1:776:A:ASN:HB2	2	0.11
(1,1547)	1:814:A:LYS:H	1:813:A:ALA:HB1	2	0.11
(1,1547)	1:814:A:LYS:H	1:813:A:ALA:HB1	7	0.11
(1,1547)	1:814:A:LYS:H	1:813:A:ALA:HB1	11	0.11
(1,1547)	1:814:A:LYS:H	1:813:A:ALA:HB1	15	0.11
(1,1545)	1:814:A:LYS:H	1:814:A:LYS:HB3	9	0.11
(1,1543)	1:778:A:TYR:H	1:777:A:GLU:HB2	16	0.11
(1,1512)	1:789:A:GLY:H	1:817:A:VAL:HG11	1	0.11
(1,1505)	1:818:A:ARG:H	1:818:A:ARG:HB3	16	0.11
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	6	0.11
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	11	0.11
(1,1494)	1:807:A:GLY:H	1:806:A:VAL:HG21	15	0.11
(1,1483)	1:807:A:GLY:H	1:805:A:VAL:HA	13	0.11
(1,1483)	1:807:A:GLY:H	1:805:A:VAL:HA	18	0.11
(1,1448)	1:810:A:GLN:H	1:808:A:LEU:HA	3	0.11
(1,1448)	1:810:A:GLN:H	1:808:A:LEU:HA	5	0.11
(1,1448)	1:810:A:GLN:H	1:808:A:LEU:HA	14	0.11
(1,1448)	1:810:A:GLN:H	1:808:A:LEU:HA	18	0.11
(1,1442)	1:816:A:GLN:H	1:731:A:LEU:HG	20	0.11
(1,1426)	1:815:A:ILE:H	1:814:A:LYS:HB2	19	0.11
(1,1363)	1:774:A:LYS:H	1:774:A:LYS:HG2	8	0.11
(1,1363)	1:774:A:LYS:H	1:774:A:LYS:HG2	17	0.11
(1,1345)	1:743:A:VAL:H	1:780:A:ILE:HB	11	0.11
(1,1256)	1:770:A:ILE:H	1:770:A:ILE:HD11	4	0.11
(1,1256)	1:770:A:ILE:H	1:770:A:ILE:HD11	16	0.11
(1,1256)	1:770:A:ILE:H	1:770:A:ILE:HD11	18	0.11
(1,1252)	1:770:A:ILE:H	1:752:A:THR:HA	5	0.11
(1,1252)	1:770:A:ILE:H	1:752:A:THR:HA	6	0.11
(1,1252)	1:770:A:ILE:H	1:752:A:THR:HA	7	0.11
(1,1252)	1:770:A:ILE:H	1:752:A:THR:HA	20	0.11
(1,1201)	1:758:A:ILE:H	1:758:A:ILE:HB	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1201)	1:758:A:ILE:H	1:758:A:ILE:HB	13	0.11
(1,1192)	1:758:A:ILE:HG21	1:756:A:ASP:HA	3	0.11
(1,1180)	1:757:A:ILE:HG12	1:755:A:TYR:HD1	16	0.11
(1,1172)	1:765:A:ARG:HB3	1:758:A:ILE:HG21	10	0.11
(1,1159)	1:783:A:PRO:HD3	1:785:A:PHE:HE1	16	0.11
(1,1154)	1:742:A:PRO:HD2	1:741:A:VAL:HB	13	0.11
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	1	0.11
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	4	0.11
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	9	0.11
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	15	0.11
(1,1140)	1:744:A:ALA:HB1	1:777:A:GLU:HA	20	0.11
(1,1121)	1:757:A:ILE:HD11	1:755:A:TYR:HD2	3	0.11
(1,1121)	1:757:A:ILE:HD11	1:755:A:TYR:HD2	7	0.11
(1,1090)	1:798:A:ILE:HG21	1:805:A:VAL:HA	20	0.11
(1,1089)	1:798:A:ILE:HG12	1:798:A:ILE:HD11	5	0.11
(1,1083)	1:770:A:ILE:HG21	1:755:A:TYR:HE2	3	0.11
(1,1083)	1:770:A:ILE:HG21	1:755:A:TYR:HE2	11	0.11
(1,1077)	1:757:A:ILE:HG13	1:757:A:ILE:HG21	14	0.11
(1,1074)	1:757:A:ILE:HG12	1:757:A:ILE:HG21	12	0.11
(1,1046)	1:741:A:VAL:HG21	1:780:A:ILE:HB	5	0.11
(1,1028)	1:733:A:LEU:HB3	1:817:A:VAL:HG21	17	0.11
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	7	0.11
(1,1015)	1:743:A:VAL:HG11	1:780:A:ILE:HD11	20	0.11
(1,967)	1:731:A:LEU:HB2	1:731:A:LEU:HD11	15	0.11
(1,953)	1:743:A:VAL:HB	1:745:A:LEU:HD21	7	0.11
(1,953)	1:743:A:VAL:HB	1:745:A:LEU:HD21	15	0.11
(1,953)	1:743:A:VAL:HB	1:745:A:LEU:HD21	20	0.11
(1,947)	1:774:A:LYS:HG3	1:750:A:PRO:HB2	8	0.11
(1,947)	1:774:A:LYS:HG3	1:750:A:PRO:HB2	15	0.11
(1,930)	1:795:A:LEU:HA	1:795:A:LEU:HD11	2	0.11
(1,919)	1:725:A:LEU:HD11	1:813:A:ALA:HA	7	0.11
(1,909)	1:721:A:PRO:HG2	1:806:A:VAL:HG11	19	0.11
(1,902)	1:731:A:LEU:HA	1:731:A:LEU:HG	7	0.11
(1,902)	1:731:A:LEU:HA	1:731:A:LEU:HG	15	0.11
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	1	0.11
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	6	0.11
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	11	0.11
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	10	0.11
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	13	0.11
(1,743)	1:796:A:VAL:HB	1:754:A:THR:HG21	17	0.11
(1,720)	1:743:A:VAL:HB	1:745:A:LEU:HD11	7	0.11
(1,706)	1:799:A:LYS:HB3	1:805:A:VAL:HG11	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:772:A:GLU:HG2	1:771:A:LYS:HB3	4	0.11
(1,641)	1:725:A:LEU:HB2	1:725:A:LEU:HD11	16	0.11
(1,638)	1:745:A:LEU:HB3	1:745:A:LEU:HD11	17	0.11
(1,638)	1:745:A:LEU:HB3	1:745:A:LEU:HD11	20	0.11
(1,623)	1:733:A:LEU:HB2	1:737:A:ASP:HB3	19	0.11
(1,620)	1:733:A:LEU:HB2	1:737:A:ASP:HB2	15	0.11
(1,608)	1:749:A:GLY:HA3	1:750:A:PRO:HG2	2	0.11
(1,572)	1:756:A:ASP:HB3	1:765:A:ARG:HD3	1	0.11
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	1	0.11
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	4	0.11
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	5	0.11
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	18	0.11
(1,497)	1:750:A:PRO:HA	1:750:A:PRO:HD2	19	0.11
(1,430)	1:818:A:ARG:HA	1:818:A:ARG:HB2	10	0.11
(1,430)	1:818:A:ARG:HA	1:818:A:ARG:HB2	15	0.11
(1,428)	1:781:A:LYS:HA	1:738:A:HIS:HD2	4	0.11
(1,416)	1:781:A:LYS:HA	1:780:A:ILE:HG21	6	0.11
(1,416)	1:781:A:LYS:HA	1:780:A:ILE:HG21	10	0.11
(1,411)	1:793:A:LEU:HA	1:757:A:ILE:HG21	5	0.11
(1,411)	1:793:A:LEU:HA	1:757:A:ILE:HG21	12	0.11
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	15	0.11
(1,336)	1:725:A:LEU:HA	1:743:A:VAL:HB	11	0.11
(1,319)	1:771:A:LYS:HA	1:752:A:THR:HB	7	0.11
(1,236)	1:761:A:PHE:HA	1:760:A:THR:HG21	1	0.11
(1,228)	1:797:A:SER:HA	1:808:A:LEU:HD11	14	0.11
(1,217)	1:798:A:ILE:HA	1:798:A:ILE:HG12	4	0.11
(1,214)	1:798:A:ILE:HA	1:753:A:LEU:HA	19	0.11
(1,212)	1:797:A:SER:HA	1:808:A:LEU:HA	4	0.11
(1,183)	1:743:A:VAL:HA	1:726:A:LYS:HG2	16	0.11
(1,183)	1:743:A:VAL:HA	1:726:A:LYS:HG2	19	0.11
(1,180)	1:743:A:VAL:HA	1:743:A:VAL:HB	1	0.11
(1,180)	1:743:A:VAL:HA	1:743:A:VAL:HB	11	0.11
(1,180)	1:743:A:VAL:HA	1:743:A:VAL:HB	14	0.11
(1,180)	1:743:A:VAL:HA	1:743:A:VAL:HB	16	0.11
(1,157)	1:782:A:THR:HA	1:783:A:PRO:HG2	20	0.11
(1,149)	1:754:A:THR:HA	1:754:A:THR:HG21	2	0.11
(1,149)	1:754:A:THR:HA	1:754:A:THR:HG21	4	0.11
(1,149)	1:754:A:THR:HA	1:754:A:THR:HG21	6	0.11
(1,149)	1:754:A:THR:HA	1:754:A:THR:HG21	11	0.11
(1,149)	1:754:A:THR:HA	1:754:A:THR:HG21	15	0.11
(1,144)	1:782:A:THR:HA	1:780:A:ILE:HG21	16	0.11
(1,136)	1:787:A:THR:HA	1:788:A:GLY:HA2	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,109)	1:787:A:THR:HA	1:787:A:THR:HG21	8	0.11
(1,109)	1:787:A:THR:HA	1:787:A:THR:HG21	14	0.11
(1,98)	1:786:A:THR:HA	1:735:A:LEU:HB2	15	0.11
(1,89)	1:786:A:THR:HB	1:786:A:THR:HA	11	0.11
(1,89)	1:786:A:THR:HB	1:786:A:THR:HA	14	0.11
(1,89)	1:786:A:THR:HB	1:786:A:THR:HA	19	0.11
(1,43)	1:796:A:VAL:HA	1:796:A:VAL:HG21	1	0.11
(1,43)	1:796:A:VAL:HA	1:796:A:VAL:HG21	2	0.11
(1,43)	1:796:A:VAL:HA	1:796:A:VAL:HG21	4	0.11
(1,43)	1:796:A:VAL:HA	1:796:A:VAL:HG21	12	0.11
(1,43)	1:796:A:VAL:HA	1:796:A:VAL:HG21	15	0.11
(1,43)	1:796:A:VAL:HA	1:796:A:VAL:HG21	16	0.11
(1,43)	1:796:A:VAL:HA	1:796:A:VAL:HG21	19	0.11
(1,24)	1:794:A:SER:HB3	1:792:A:ILE:HG21	13	0.11
(1,13)	1:760:A:THR:HA	1:792:A:ILE:HD11	3	0.11
(1,2312)	1:749:A:GLY:H	1:748:A:GLN:HB3	12	0.1
(1,2299)	1:778:A:TYR:H	1:743:A:VAL:HG11	2	0.1
(1,2296)	1:782:A:THR:H	1:781:A:LYS:HG3	15	0.1
(1,2282)	1:794:A:SER:H	1:758:A:ILE:HG13	4	0.1
(1,2276)	1:753:A:LEU:H	1:770:A:ILE:HG21	7	0.1
(1,2275)	1:741:A:VAL:H	1:780:A:ILE:H	12	0.1
(1,2241)	1:799:A:LYS:HE2	1:799:A:LYS:HG2	10	0.1
(1,2239)	1:771:A:LYS:HE2	1:771:A:LYS:HG2	9	0.1
(1,2237)	1:771:A:LYS:HE2	1:771:A:LYS:HG2	4	0.1
(1,2235)	1:764:A:LYS:HB3	1:764:A:LYS:HG2	2	0.1
(1,2235)	1:764:A:LYS:HB3	1:764:A:LYS:HG2	12	0.1
(1,2207)	1:819:A:ARG:HB3	1:819:A:ARG:HD3	10	0.1
(1,2181)	1:757:A:ILE:HB	1:757:A:ILE:HG21	1	0.1
(1,2179)	1:790:A:ASP:HB2	1:760:A:THR:HG21	16	0.1
(1,2178)	1:781:A:LYS:HE2	1:779:A:VAL:HG21	1	0.1
(1,2170)	1:726:A:LYS:HE3	1:726:A:LYS:HG2	16	0.1
(1,2170)	1:726:A:LYS:HE3	1:726:A:LYS:HG2	17	0.1
(1,2150)	1:819:A:ARG:HD2	1:787:A:THR:HA	5	0.1
(1,2138)	1:799:A:LYS:HA	1:752:A:THR:HG22	20	0.1
(1,2085)	1:788:A:GLY:H	1:736:A:GLY:H	7	0.1
(1,2083)	1:760:A:THR:H	1:759:A:GLU:HG2	11	0.1
(1,2082)	1:767:A:THR:H	1:766:A:LYS:HG3	2	0.1
(1,2079)	1:752:A:THR:H	1:798:A:ILE:HA	20	0.1
(1,2062)	1:777:A:GLU:H	1:744:A:ALA:HA	8	0.1
(1,2062)	1:777:A:GLU:H	1:744:A:ALA:HA	10	0.1
(1,2038)	1:726:A:LYS:H	1:726:A:LYS:HB3	4	0.1
(1,2028)	1:799:A:LYS:H	1:800:A:ASP:HA	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2023)	1:724:A:SER:H	1:743:A:VAL:HA	7	0.1
(1,2023)	1:724:A:SER:H	1:743:A:VAL:HA	10	0.1
(1,2023)	1:724:A:SER:H	1:743:A:VAL:HA	18	0.1
(1,1991)	1:793:A:LEU:H	1:758:A:ILE:HG12	2	0.1
(1,1935)	1:775:A:THR:H	1:773:A:ILE:HA	8	0.1
(1,1935)	1:775:A:THR:H	1:773:A:ILE:HA	9	0.1
(1,1935)	1:775:A:THR:H	1:773:A:ILE:HA	10	0.1
(1,1918)	1:787:A:THR:H	1:817:A:VAL:HG11	5	0.1
(1,1917)	1:787:A:THR:H	1:786:A:THR:HG21	17	0.1
(1,1879)	1:808:A:LEU:H	1:808:A:LEU:HD11	10	0.1
(1,1879)	1:808:A:LEU:H	1:808:A:LEU:HD11	17	0.1
(1,1852)	1:784:A:VAL:H	1:783:A:PRO:HB2	8	0.1
(1,1852)	1:784:A:VAL:H	1:783:A:PRO:HB2	18	0.1
(1,1846)	1:767:A:THR:H	1:767:A:THR:HB	4	0.1
(1,1846)	1:767:A:THR:H	1:767:A:THR:HB	17	0.1
(1,1828)	1:785:A:PHE:H	1:784:A:VAL:HG11	8	0.1
(1,1806)	1:790:A:ASP:H	1:760:A:THR:H	11	0.1
(1,1783)	1:772:A:GLU:H	1:771:A:LYS:HB2	2	0.1
(1,1783)	1:772:A:GLU:H	1:771:A:LYS:HB2	7	0.1
(1,1772)	1:764:A:LYS:H	1:762:A:SER:H	12	0.1
(1,1749)	1:740:A:SER:H	1:733:A:LEU:HD21	1	0.1
(1,1743)	1:781:A:LYS:H	1:780:A:ILE:HG21	20	0.1
(1,1692)	1:747:A:GLY:H	1:810:A:GLN:HE22	14	0.1
(1,1690)	1:747:A:GLY:H	1:776:A:ASN:HD21	5	0.1
(1,1648)	1:732:A:LYS:H	1:731:A:LEU:HD21	20	0.1
(1,1630)	1:722:A:SER:H	1:721:A:PRO:HB3	6	0.1
(1,1613)	1:720:A:LYS:H	1:720:A:LYS:HG3	9	0.1
(1,1610)	1:720:A:LYS:H	1:719:A:VAL:HB	15	0.1
(1,1594)	1:771:A:LYS:H	1:753:A:LEU:H	3	0.1
(1,1594)	1:771:A:LYS:H	1:753:A:LEU:H	11	0.1
(1,1576)	1:759:A:GLU:H	1:758:A:ILE:HG21	4	0.1
(1,1547)	1:814:A:LYS:H	1:813:A:ALA:HB1	12	0.1
(1,1545)	1:814:A:LYS:H	1:814:A:LYS:HB3	8	0.1
(1,1514)	1:818:A:ARG:H	1:817:A:VAL:HG21	9	0.1
(1,1512)	1:789:A:GLY:H	1:817:A:VAL:HG11	2	0.1
(1,1483)	1:807:A:GLY:H	1:805:A:VAL:HA	6	0.1
(1,1442)	1:816:A:GLN:H	1:731:A:LEU:HG	1	0.1
(1,1351)	1:788:A:GLY:H	1:818:A:ARG:HA	14	0.1
(1,1345)	1:743:A:VAL:H	1:780:A:ILE:HB	2	0.1
(1,1309)	1:794:A:SER:H	1:793:A:LEU:HB2	4	0.1
(1,1309)	1:794:A:SER:H	1:793:A:LEU:HB2	11	0.1
(1,1256)	1:770:A:ILE:H	1:770:A:ILE:HD11	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1256)	1:770:A:ILE:H	1:770:A:ILE:HD11	8	0.1
(1,1201)	1:758:A:ILE:H	1:758:A:ILE:HB	2	0.1
(1,1201)	1:758:A:ILE:H	1:758:A:ILE:HB	15	0.1
(1,1192)	1:758:A:ILE:HG21	1:756:A:ASP:HA	4	0.1
(1,1154)	1:742:A:PRO:HD2	1:741:A:VAL:HB	5	0.1
(1,1152)	1:812:A:ASP:HA	1:793:A:LEU:HG	11	0.1
(1,1129)	1:770:A:ILE:HD11	1:755:A:TYR:HD2	13	0.1
(1,1107)	1:815:A:ILE:HD11	1:791:A:TYR:HD1	11	0.1
(1,1090)	1:798:A:ILE:HG21	1:805:A:VAL:HA	1	0.1
(1,1083)	1:770:A:ILE:HG21	1:755:A:TYR:HE2	2	0.1
(1,1083)	1:770:A:ILE:HG21	1:755:A:TYR:HE2	10	0.1
(1,1074)	1:757:A:ILE:HG12	1:757:A:ILE:HG21	10	0.1
(1,1052)	1:754:A:THR:HG21	1:795:A:LEU:HA	3	0.1
(1,991)	1:725:A:LEU:HD21	1:725:A:LEU:HB2	14	0.1
(1,990)	1:723:A:ALA:HB1	1:746:A:LYS:HB3	7	0.1
(1,980)	1:799:A:LYS:HG3	1:805:A:VAL:HG11	17	0.1
(1,953)	1:743:A:VAL:HB	1:745:A:LEU:HD21	2	0.1
(1,947)	1:774:A:LYS:HG3	1:750:A:PRO:HB2	3	0.1
(1,947)	1:774:A:LYS:HG3	1:750:A:PRO:HB2	17	0.1
(1,930)	1:795:A:LEU:HA	1:795:A:LEU:HD11	19	0.1
(1,919)	1:725:A:LEU:HD11	1:813:A:ALA:HA	2	0.1
(1,904)	1:815:A:ILE:HA	1:731:A:LEU:HG	18	0.1
(1,902)	1:731:A:LEU:HA	1:731:A:LEU:HG	10	0.1
(1,784)	1:777:A:GLU:HB3	1:778:A:TYR:HB3	13	0.1
(1,765)	1:721:A:PRO:HB2	1:747:A:GLY:HA3	13	0.1
(1,720)	1:743:A:VAL:HB	1:745:A:LEU:HD11	9	0.1
(1,706)	1:799:A:LYS:HB3	1:805:A:VAL:HG11	16	0.1
(1,681)	1:757:A:ILE:HB	1:766:A:LYS:HB2	4	0.1
(1,628)	1:778:A:TYR:HB3	1:773:A:ILE:HD11	6	0.1
(1,628)	1:778:A:TYR:HB3	1:773:A:ILE:HD11	13	0.1
(1,628)	1:778:A:TYR:HB3	1:773:A:ILE:HD11	15	0.1
(1,495)	1:744:A:ALA:HA	1:726:A:LYS:HE2	18	0.1
(1,492)	1:744:A:ALA:HA	1:777:A:GLU:HB2	10	0.1
(1,441)	1:799:A:LYS:HA	1:798:A:ILE:HG13	12	0.1
(1,428)	1:781:A:LYS:HA	1:738:A:HIS:HD2	20	0.1
(1,411)	1:793:A:LEU:HA	1:757:A:ILE:HG21	18	0.1
(1,385)	1:729:A:HIS:HA	1:729:A:HIS:HD2	2	0.1
(1,350)	1:794:A:SER:HA	1:812:A:ASP:HA	8	0.1
(1,336)	1:725:A:LEU:HA	1:743:A:VAL:HB	16	0.1
(1,300)	1:791:A:TYR:HA	1:760:A:THR:HG21	11	0.1
(1,278)	1:751:A:PHE:HA	1:800:A:ASP:HB3	11	0.1
(1,228)	1:797:A:SER:HA	1:808:A:LEU:HD11	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:797:A:SER:HA	1:808:A:LEU:HD11	10	0.1
(1,212)	1:797:A:SER:HA	1:808:A:LEU:HA	11	0.1
(1,183)	1:743:A:VAL:HA	1:726:A:LYS:HG2	1	0.1
(1,183)	1:743:A:VAL:HA	1:726:A:LYS:HG2	8	0.1
(1,183)	1:743:A:VAL:HA	1:726:A:LYS:HG2	11	0.1
(1,180)	1:743:A:VAL:HA	1:743:A:VAL:HB	13	0.1
(1,149)	1:754:A:THR:HA	1:754:A:THR:HG21	10	0.1
(1,149)	1:754:A:THR:HA	1:754:A:THR:HG21	16	0.1
(1,91)	1:750:A:PRO:HA	1:772:A:GLU:HB2	2	0.1
(1,89)	1:786:A:THR:HB	1:786:A:THR:HA	5	0.1
(1,43)	1:796:A:VAL:HA	1:796:A:VAL:HG21	10	0.1
(1,43)	1:796:A:VAL:HA	1:796:A:VAL:HG21	18	0.1
(1,13)	1:760:A:THR:HA	1:792:A:ILE:HD11	1	0.1
(1,13)	1:760:A:THR:HA	1:792:A:ILE:HD11	11	0.1

10 Dihedral-angle violation analysis ⓘ

No dihedral-angle restraints found