



Full wwPDB NMR Structure Validation Report ⓘ

Oct 23, 2021 – 05:21 PM EDT

PDB ID : 1EXE
Title : SOLUTION STRUCTURE OF A MUTANT OF TRANSCRIPTION FACTOR 1.
Authors : Liu, W.; Vu, H.M.; Geiduschek, E.P.; Kearns, D.R.
Deposited on : 2000-05-02

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

MolProbity : 4.02b-467
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
RCI : v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV : Wang et al. (2010)
ShiftChecker : 2.23.2
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.23.2

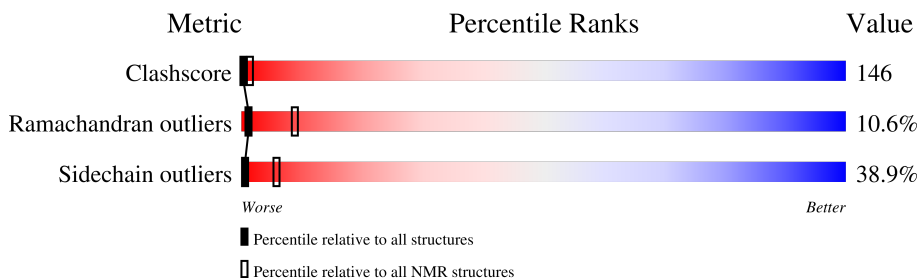
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment was not calculated.

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	158937	12864
Ramachandran outliers	154571	11451
Sidechain outliers	154315	11428

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	99	 . 46% 24% . 24%
1	B	99	 . 48% 24% . 22%

2 Ensemble composition and analysis

This entry contains 23 models. Model 12 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *closest to the average*.

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:1-A:54, A:75-A:95, B:1-B:54, B:75-B:97 (152)	0.53	12

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 3090 atoms, of which 1590 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called TRANSCRIPTION FACTOR 1.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	99	1545	476	795	127	145	2	0
1	B	99	1545	476	795	127	145	2	0

There are 4 discrepancies between the modelled and reference sequences:

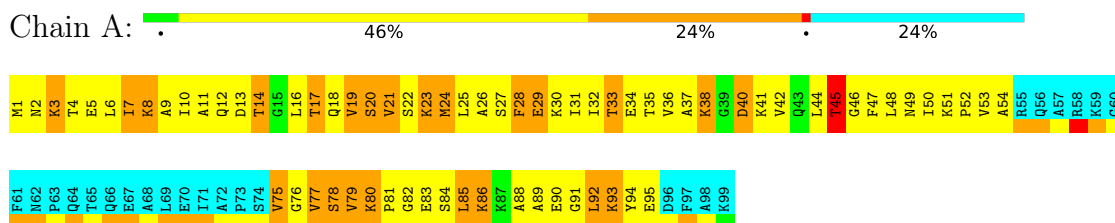
Chain	Residue	Modelled	Actual	Comment	Reference
A	15	GLY	GLU	engineered mutation	UNP P04445
A	32	ILE	THR	engineered mutation	UNP P04445
B	15	GLY	GLU	engineered mutation	UNP P04445
B	32	ILE	THR	engineered mutation	UNP P04445

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: TRANSCRIPTION FACTOR 1



- Molecule 1: TRANSCRIPTION FACTOR 1

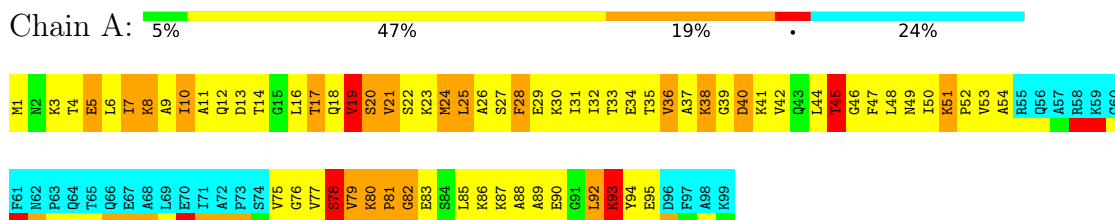


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

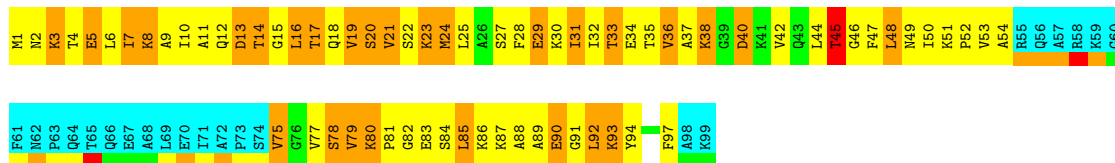
4.2.1 Score per residue for model 1

- Molecule 1: TRANSCRIPTION FACTOR 1




- Molecule 1: TRANSCRIPTION FACTOR 1

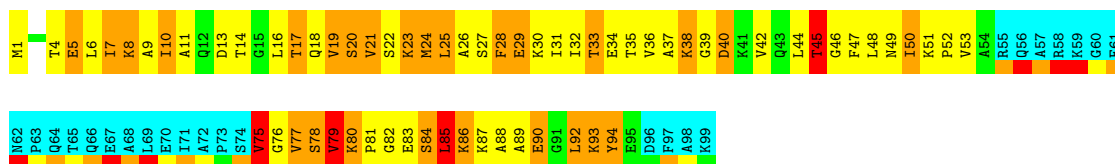
Chain B: 



4.2.2 Score per residue for model 2

- Molecule 1: TRANSCRIPTION FACTOR 1

Chain A: 



- Molecule 1: TRANSCRIPTION FACTOR 1

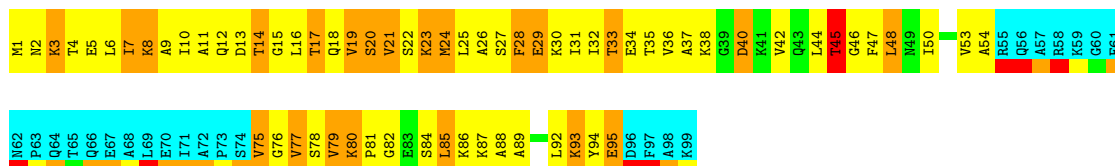
Chain B: 



4.2.3 Score per residue for model 3

- Molecule 1: TRANSCRIPTION FACTOR 1

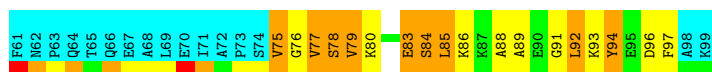
Chain A: 



- Molecule 1: TRANSCRIPTION FACTOR 1

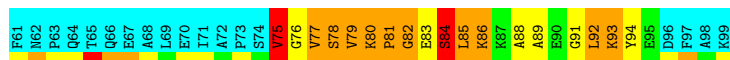
Chain B: 



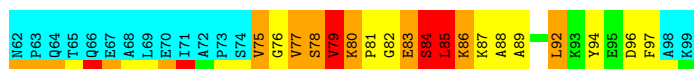


4.2.4 Score per residue for model 4

- Molecule 1: TRANSCRIPTION FACTOR 1



- Molecule 1: TRANSCRIPTION FACTOR 1

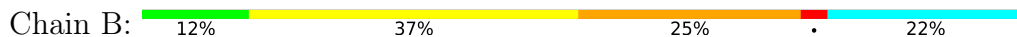


4.2.5 Score per residue for model 5

- Molecule 1: TRANSCRIPTION FACTOR 1



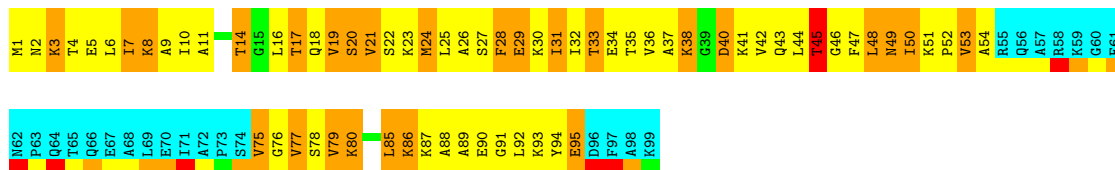
- Molecule 1: TRANSCRIPTION FACTOR 1



4.2.6 Score per residue for model 6

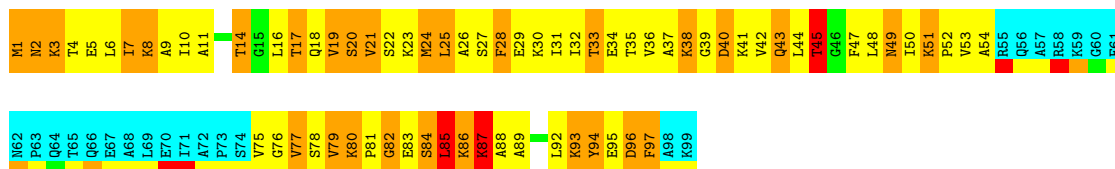
- Molecule 1: TRANSCRIPTION FACTOR 1

Chain A: 8% 40% 26% 24%



- Molecule 1: TRANSCRIPTION FACTOR 1

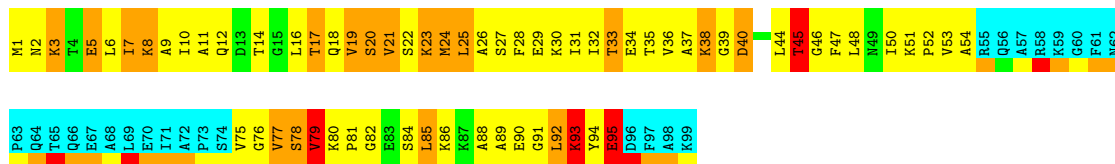
Chain B: 6% 39% 29% 22%



4.2.7 Score per residue for model 7

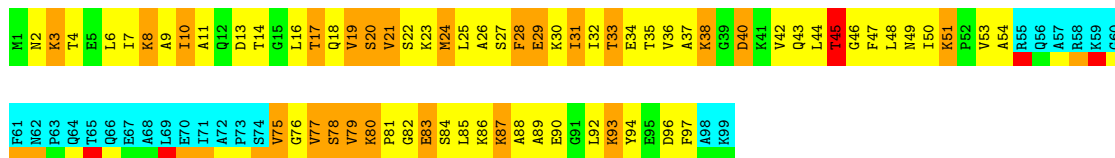
- Molecule 1: TRANSCRIPTION FACTOR 1

Chain A: 9% 44% 18% 24%



- Molecule 1: TRANSCRIPTION FACTOR 1

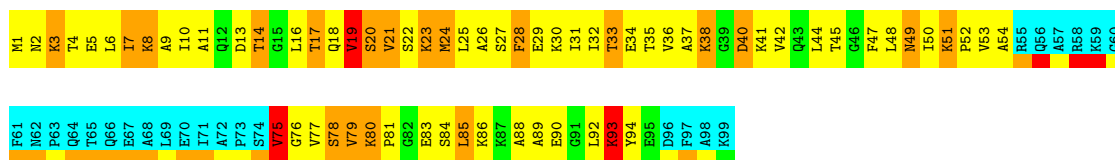
Chain B: 9% 44% 23% 22%



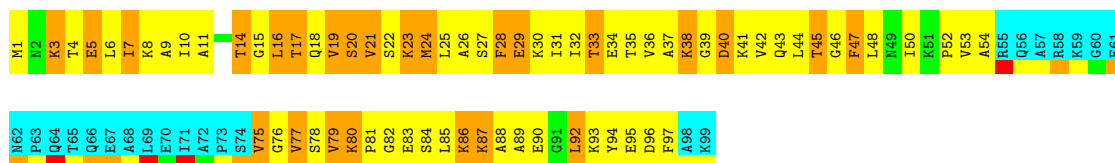
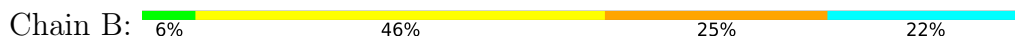
4.2.8 Score per residue for model 8

- Molecule 1: TRANSCRIPTION FACTOR 1

Chain A: 9% 44% 19% 24%

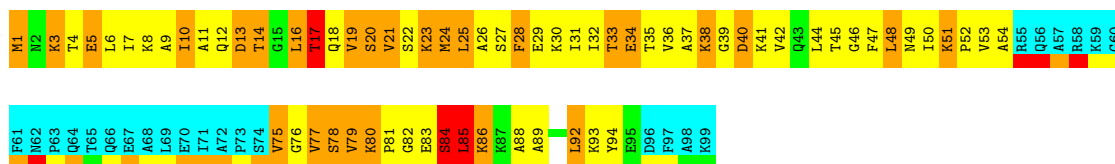


- Molecule 1: TRANSCRIPTION FACTOR 1

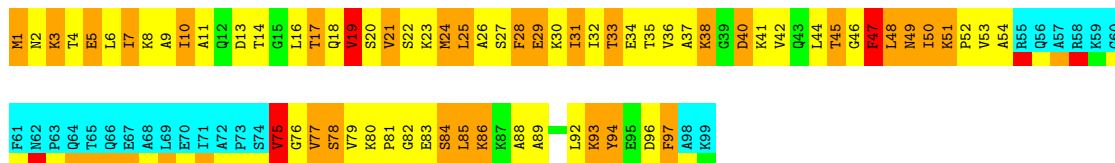
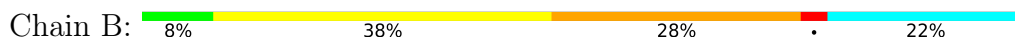


4.2.9 Score per residue for model 9

- Molecule 1: TRANSCRIPTION FACTOR 1

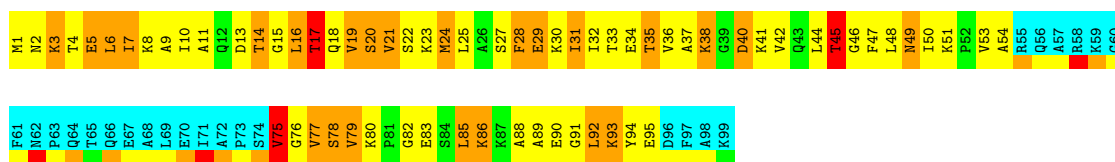


- Molecule 1: TRANSCRIPTION FACTOR 1

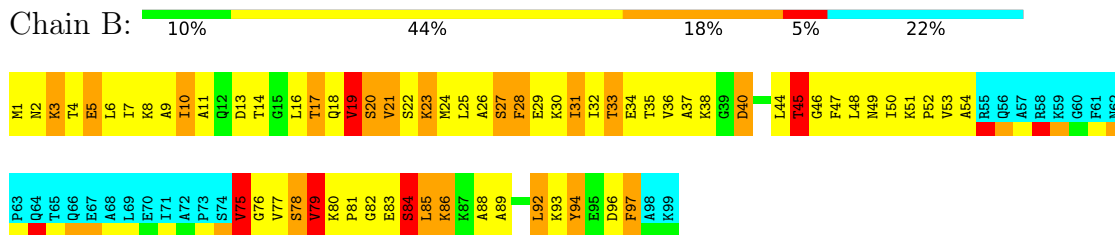


4.2.10 Score per residue for model 10

- Molecule 1: TRANSCRIPTION FACTOR 1

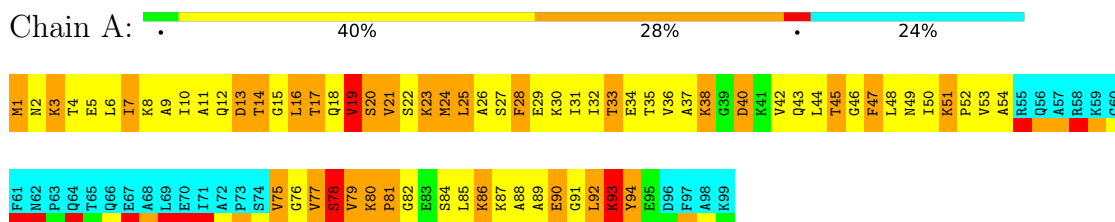


- Molecule 1: TRANSCRIPTION FACTOR 1

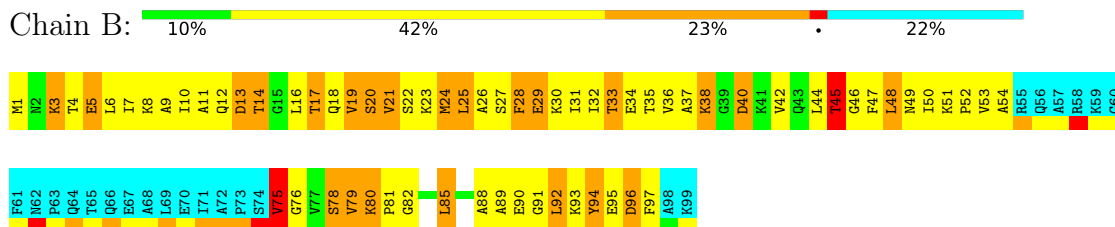


4.2.11 Score per residue for model 11

- Molecule 1: TRANSCRIPTION FACTOR 1

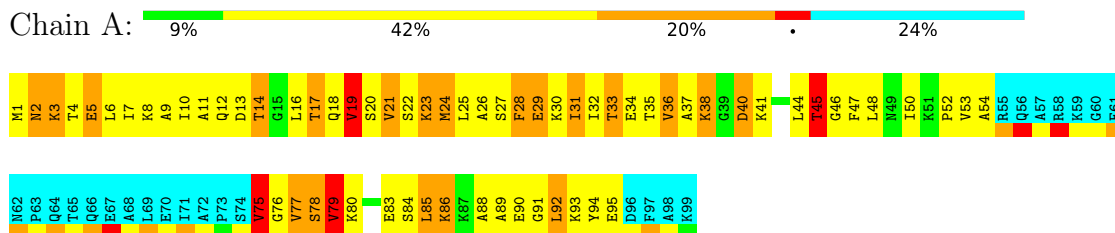


- Molecule 1: TRANSCRIPTION FACTOR 1



4.2.12 Score per residue for model 12 (medoid)

- Molecule 1: TRANSCRIPTION FACTOR 1



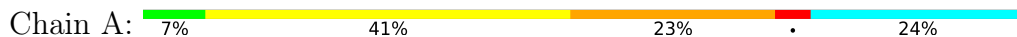
- Molecule 1: TRANSCRIPTION FACTOR 1





4.2.13 Score per residue for model 13

- Molecule 1: TRANSCRIPTION FACTOR 1



- Molecule 1: TRANSCRIPTION FACTOR 1

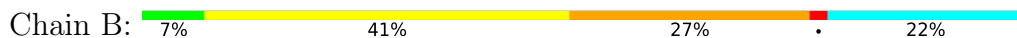


4.2.14 Score per residue for model 14

- Molecule 1: TRANSCRIPTION FACTOR 1

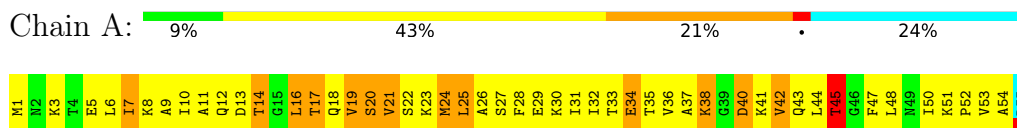


- Molecule 1: TRANSCRIPTION FACTOR 1

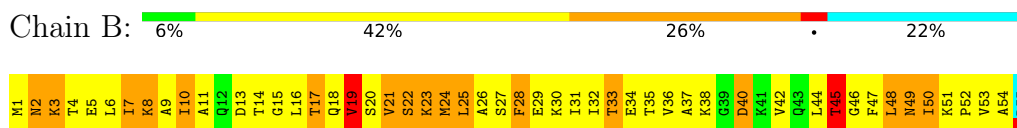


4.2.15 Score per residue for model 15

- Molecule 1: TRANSCRIPTION FACTOR 1

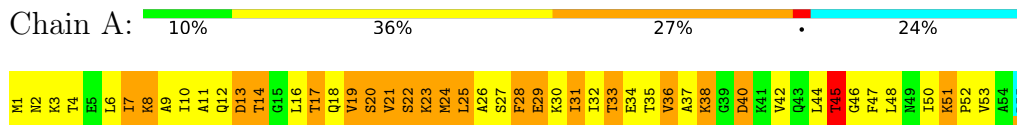


- Molecule 1: TRANSCRIPTION FACTOR 1

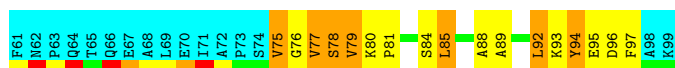
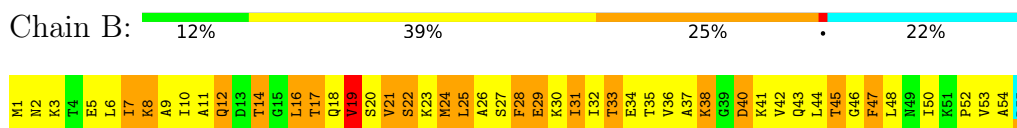


4.2.16 Score per residue for model 16

- Molecule 1: TRANSCRIPTION FACTOR 1



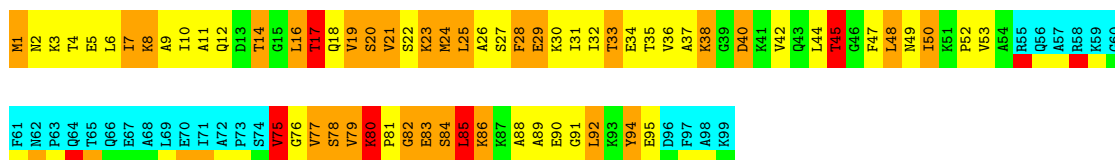
- Molecule 1: TRANSCRIPTION FACTOR 1



4.2.17 Score per residue for model 17

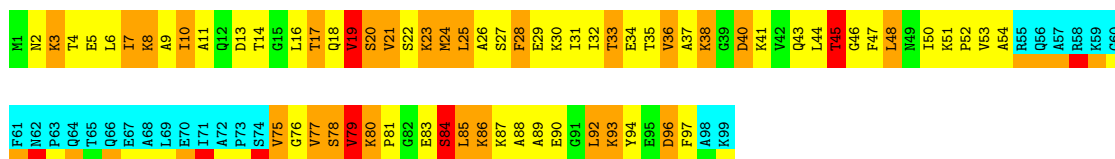
- Molecule 1: TRANSCRIPTION FACTOR 1





- Molecule 1: TRANSCRIPTION FACTOR 1

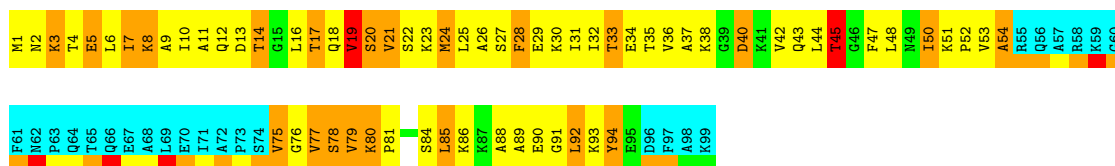
Chain B: 9% 39% 25% • 22%



4.2.18 Score per residue for model 18

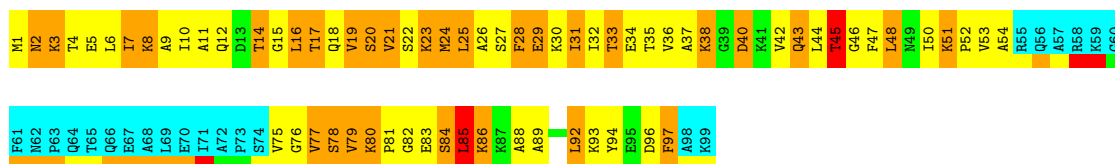
- Molecule 1: TRANSCRIPTION FACTOR 1

Chain A: 9% 42% 22% • 24%



- Molecule 1: TRANSCRIPTION FACTOR 1

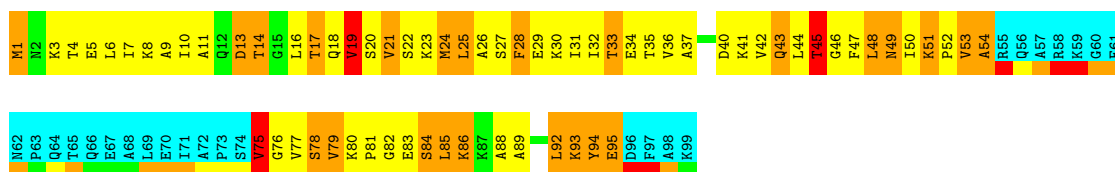
Chain B: 8% 37% 30% • 22%



4.2.19 Score per residue for model 19

- Molecule 1: TRANSCRIPTION FACTOR 1

Chain A: 8% 40% 24% • 24%

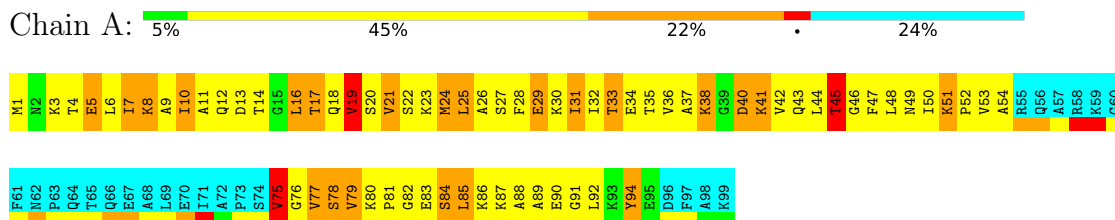


- Molecule 1: TRANSCRIPTION FACTOR 1

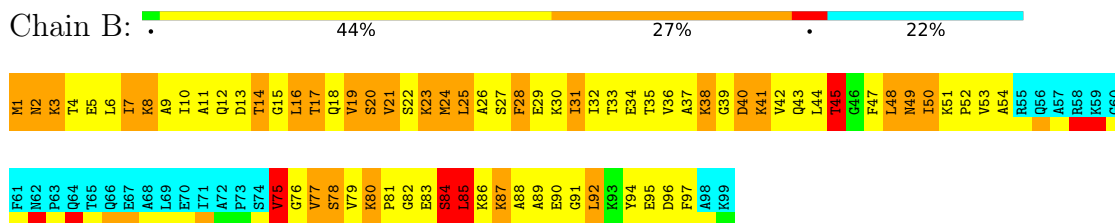


4.2.20 Score per residue for model 20

- Molecule 1: TRANSCRIPTION FACTOR 1



- Molecule 1: TRANSCRIPTION FACTOR 1

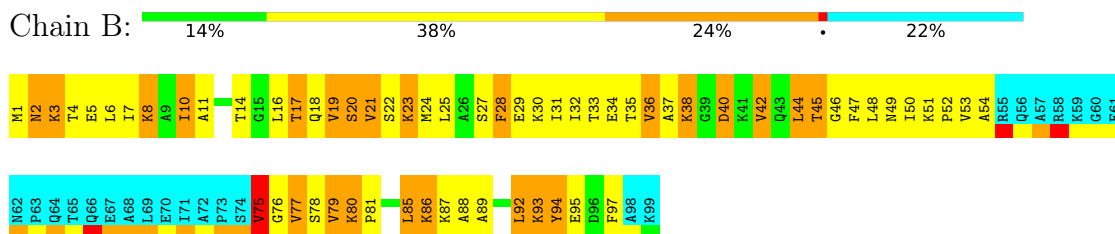


4.2.21 Score per residue for model 21

- Molecule 1: TRANSCRIPTION FACTOR 1

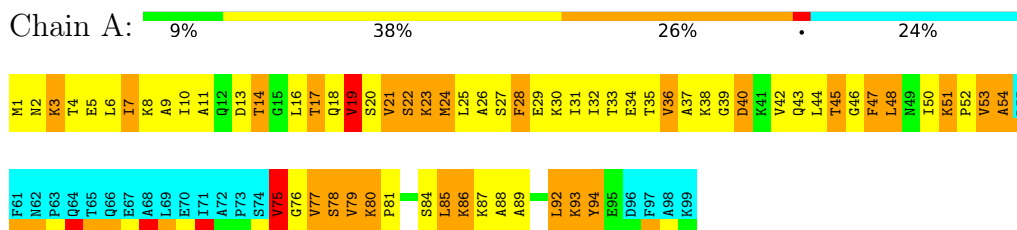


- Molecule 1: TRANSCRIPTION FACTOR 1

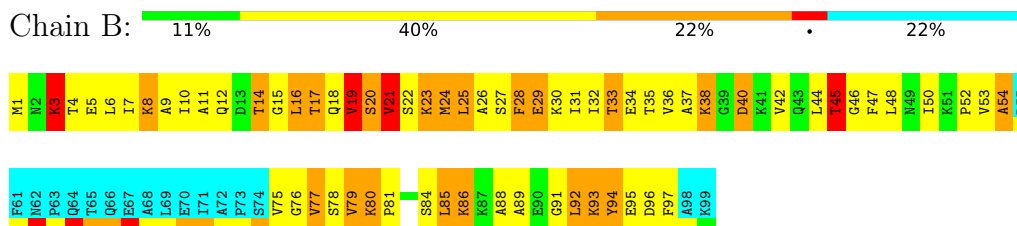


4.2.22 Score per residue for model 22

- Molecule 1: TRANSCRIPTION FACTOR 1

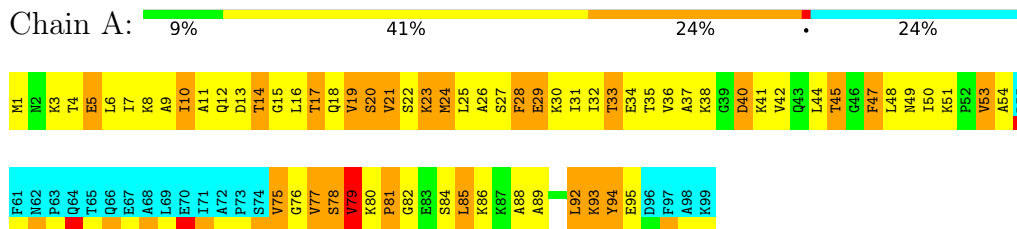


- Molecule 1: TRANSCRIPTION FACTOR 1

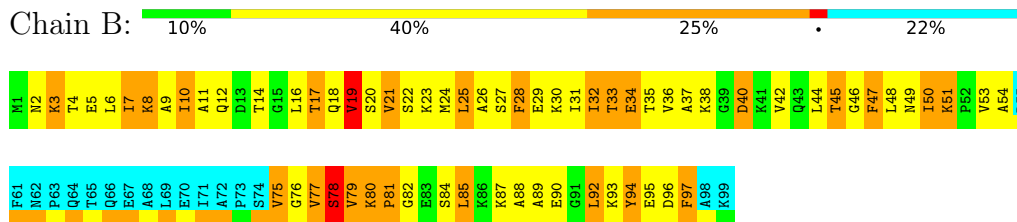


4.2.23 Score per residue for model 23

- Molecule 1: TRANSCRIPTION FACTOR 1



- Molecule 1: TRANSCRIPTION FACTOR 1



5 Refinement protocol and experimental data overview

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

Of the 50 calculated structures, 23 were deposited, based on the following criterion: *structures with acceptable covalent geometry, structures with the least restraint violations, structures with the lowest energy.*

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

Software name	Classification	Version
X-PLOR	structure solution	3
X-PLOR	refinement	3

No chemical shift data was provided.

6 Model quality i

6.1 Standard geometry i

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	1.02±0.01	0±0/564 (0.0± 0.0%)	1.25±0.02	0±1/758 (0.0± 0.1%)
1	B	1.02±0.01	0±0/584 (0.0± 0.0%)	1.26±0.02	0±1/785 (0.1± 0.1%)
All	All	1.02	0/26404 (0.0%)	1.26	17/35489 (0.0%)

There are no bond-length outliers.

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

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	86	LYS	N-CA-CB	-5.62	100.48	110.60	17	6
1	B	86	LYS	N-CA-CB	-5.40	100.89	110.60	2	7
1	B	87	LYS	N-CA-CB	-5.33	101.00	110.60	6	2
1	B	37	ALA	N-CA-CB	-5.20	102.83	110.10	14	1
1	A	33	THR	N-CA-CB	-5.16	100.50	110.30	4	1

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	559	608	608	220±18
1	B	578	621	621	222±19
All	All	26151	28267	28266	7945

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 146.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:84:SER:O	1:A:86:LYS:N	1.34	1.59	9	3
1:B:84:SER:O	1:B:86:LYS:N	1.33	1.58	4	6
1:A:30:LYS:O	1:A:34:GLU:HB2	1.31	1.23	19	21
1:B:30:LYS:O	1:B:34:GLU:HB2	1.28	1.26	20	22
1:B:30:LYS:O	1:B:34:GLU:HB3	1.20	1.35	23	1
1:A:30:LYS:O	1:A:34:GLU:HB3	1.20	1.35	9	2
1:B:30:LYS:O	1:B:34:GLU:CB	1.14	1.95	9	23
1:A:89:ALA:N	1:B:37:ALA:HB1	1.12	1.58	14	4
1:B:85:LEU:O	1:B:88:ALA:N	1.12	1.82	6	9
1:A:16:LEU:HD13	1:B:19:VAL:HG23	1.12	1.17	11	11
1:A:30:LYS:O	1:A:34:GLU:CB	1.11	1.97	19	22
1:A:16:LEU:HD11	1:B:19:VAL:HG23	1.11	1.18	15	7
1:A:20:SER:O	1:A:22:SER:N	1.11	1.84	13	23
1:A:94:TYR:O	1:A:95:GLU:C	1.09	1.90	15	1
1:B:20:SER:O	1:B:22:SER:N	1.09	1.85	3	23
1:A:36:VAL:HG11	1:A:77:VAL:HG23	1.08	1.21	13	2
1:A:19:VAL:HG11	1:B:19:VAL:HG11	1.07	1.24	14	23
1:A:84:SER:O	1:A:85:LEU:C	1.07	1.89	4	3
1:A:32:ILE:HG22	1:B:85:LEU:HD21	1.07	1.25	15	1
1:A:36:VAL:HG21	1:A:77:VAL:HG23	1.06	1.21	14	4
1:B:14:THR:HG22	1:B:16:LEU:CD1	1.05	1.81	11	7
1:B:36:VAL:HG23	1:B:50:ILE:HD12	1.05	1.26	19	2
1:B:36:VAL:HG21	1:B:77:VAL:HG23	1.05	1.24	21	4
1:A:75:VAL:HG11	1:B:89:ALA:HB3	1.05	1.17	7	3
1:A:14:THR:HG22	1:A:16:LEU:CD1	1.05	1.82	19	13
1:B:84:SER:O	1:B:85:LEU:C	1.05	1.94	20	6
1:A:85:LEU:HD23	1:B:36:VAL:HG11	1.04	1.22	17	2
1:A:85:LEU:HD13	1:B:77:VAL:HG21	1.03	1.28	13	3
1:A:85:LEU:HD21	1:B:36:VAL:HG11	1.03	1.20	15	1
1:B:48:LEU:HD13	1:B:80:LYS:HG2	1.03	1.18	20	1
1:B:84:SER:C	1:B:86:LYS:N	1.01	2.11	20	6
1:A:14:THR:HG22	1:A:16:LEU:HD11	1.01	1.28	11	16
1:A:19:VAL:HG23	1:B:16:LEU:CD1	1.01	1.86	12	11
1:A:42:VAL:HG13	1:B:6:LEU:HD11	1.01	1.33	3	9
1:A:16:LEU:CD1	1:B:19:VAL:HG23	1.00	1.86	5	14
1:A:19:VAL:HG23	1:B:16:LEU:HD11	1.00	1.04	19	7
1:A:92:LEU:HD21	1:B:75:VAL:HG21	0.99	1.30	8	5
1:A:20:SER:O	1:A:23:LYS:N	0.99	1.95	21	23
1:A:84:SER:C	1:A:86:LYS:N	0.98	2.09	4	3

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:88:ALA:C	1:B:37:ALA:HB1	0.98	1.79	2	12
1:B:20:SER:O	1:B:23:LYS:N	0.98	1.97	5	23
1:B:96:ASP:O	1:B:97:PHE:C	0.97	2.02	5	1
1:B:30:LYS:O	1:B:34:GLU:CG	0.97	2.12	4	22
1:A:37:ALA:HB2	1:B:88:ALA:HB1	0.96	1.32	14	10
1:A:83:GLU:O	1:A:85:LEU:N	0.96	1.98	19	6
1:A:36:VAL:HG21	1:A:77:VAL:HG22	0.96	1.36	4	1
1:A:36:VAL:HG21	1:B:85:LEU:HD22	0.96	1.34	19	4
1:B:10:ILE:O	1:B:14:THR:OG1	0.96	1.84	7	23
1:A:31:ILE:HD13	1:B:9:ALA:HB1	0.95	1.38	2	8
1:A:89:ALA:HB3	1:B:75:VAL:HG11	0.95	1.33	14	5
1:A:85:LEU:HD12	1:B:36:VAL:HG21	0.95	1.38	9	1
1:B:83:GLU:O	1:B:85:LEU:N	0.95	2.00	17	9
1:A:85:LEU:HD11	1:B:36:VAL:HG12	0.95	1.34	19	2
1:A:53:VAL:O	1:A:75:VAL:HG22	0.95	1.62	22	2
1:B:49:ASN:O	1:B:79:VAL:O	0.94	1.83	15	3
1:A:89:ALA:CB	1:B:75:VAL:HG11	0.94	1.92	12	7
1:A:77:VAL:HG11	1:B:85:LEU:HD13	0.94	1.35	10	2
1:B:14:THR:HG22	1:B:16:LEU:HD11	0.94	1.38	13	10
1:B:50:ILE:HA	1:B:79:VAL:HG21	0.94	1.36	19	3
1:A:75:VAL:HG11	1:B:89:ALA:CB	0.94	1.91	23	4
1:A:7:ILE:HG23	1:A:21:VAL:HB	0.94	1.38	9	5
1:A:32:ILE:HG21	1:B:47:PHE:CE1	0.94	1.98	15	14
1:A:78:SER:O	1:A:79:VAL:HG23	0.94	1.63	21	3
1:A:77:VAL:HG11	1:B:84:SER:O	0.93	1.63	2	1
1:A:32:ILE:HD13	1:A:42:VAL:HG11	0.93	1.37	4	1
1:A:10:ILE:O	1:A:14:THR:OG1	0.93	1.84	20	23
1:A:44:LEU:HD12	1:A:48:LEU:CB	0.93	1.94	17	22
1:A:31:ILE:HA	1:A:34:GLU:CG	0.93	1.94	9	2
1:B:84:SER:C	1:B:85:LEU:HD22	0.92	1.84	18	1
1:B:84:SER:C	1:B:86:LYS:H	0.92	1.67	6	6
1:A:36:VAL:HG21	1:B:85:LEU:HD12	0.92	1.39	2	1
1:A:89:ALA:HB1	1:B:75:VAL:HG11	0.92	1.38	22	7
1:A:25:LEU:HD12	1:A:25:LEU:C	0.92	1.83	20	6
1:A:48:LEU:CD1	1:B:48:LEU:HD11	0.92	1.95	9	2
1:A:48:LEU:HD11	1:B:48:LEU:HD11	0.91	1.40	9	2
1:A:7:ILE:CD1	1:A:25:LEU:HD23	0.91	1.95	20	2
1:B:7:ILE:CD1	1:B:25:LEU:HD23	0.91	1.95	23	3
1:A:47:PHE:CE1	1:B:32:ILE:HG21	0.90	2.01	12	15
1:A:75:VAL:HB	1:B:94:TYR:CD2	0.90	2.01	5	2
1:A:85:LEU:HD11	1:B:36:VAL:CG1	0.90	1.94	19	2

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:85:LEU:HD12	1:B:33:THR:OG1	0.90	1.66	2	2
1:A:19:VAL:HG23	1:B:16:LEU:HD13	0.89	1.43	8	11
1:B:53:VAL:HG22	1:B:76:GLY:O	0.89	1.67	2	18
1:B:44:LEU:HD12	1:B:48:LEU:CB	0.89	1.97	17	21
1:B:36:VAL:HG23	1:B:42:VAL:HG12	0.89	1.41	6	2
1:B:25:LEU:C	1:B:25:LEU:HD12	0.89	1.87	20	6
1:A:14:THR:CG2	1:A:16:LEU:HD11	0.89	1.97	11	4
1:A:89:ALA:HB1	1:B:75:VAL:CG1	0.88	1.98	7	9
1:A:19:VAL:O	1:B:16:LEU:HD22	0.88	1.68	17	14
1:A:75:VAL:HB	1:B:89:ALA:HB1	0.88	1.43	15	3
1:A:89:ALA:HB1	1:B:75:VAL:HG21	0.88	1.44	11	2
1:A:14:THR:HG22	1:B:20:SER:HB2	0.88	1.44	20	9
1:A:75:VAL:HG21	1:B:92:LEU:HD21	0.88	1.42	19	3
1:A:92:LEU:HD12	1:A:92:LEU:O	0.88	1.67	21	12
1:A:89:ALA:HB1	1:B:75:VAL:HG12	0.88	1.45	7	4
1:A:85:LEU:HD23	1:B:36:VAL:CG1	0.87	1.99	17	1
1:A:36:VAL:HG21	1:A:77:VAL:CG2	0.87	1.98	14	4
1:A:85:LEU:HD13	1:B:33:THR:O	0.87	1.70	19	2
1:A:7:ILE:HG22	1:A:8:LYS:CE	0.87	1.98	9	1
1:A:85:LEU:HD12	1:B:36:VAL:CG2	0.86	1.99	9	1
1:B:3:LYS:O	1:B:25:LEU:HD22	0.86	1.69	9	2
1:A:36:VAL:HG11	1:B:85:LEU:HD23	0.86	1.47	18	1
1:B:96:ASP:OD1	1:B:96:ASP:N	0.86	2.06	5	1
1:B:78:SER:O	1:B:79:VAL:HG23	0.86	1.71	13	1
1:A:30:LYS:O	1:A:34:GLU:CG	0.86	2.24	10	21
1:A:16:LEU:HD22	1:B:19:VAL:O	0.86	1.71	2	12
1:B:35:THR:HG21	1:B:42:VAL:HG23	0.85	1.48	11	3
1:A:77:VAL:HG11	1:B:81:PRO:HB3	0.85	1.48	8	1
1:A:91:GLY:C	1:A:92:LEU:HD23	0.85	1.91	17	2
1:A:36:VAL:CG2	1:B:85:LEU:HD13	0.85	2.01	23	1
1:B:44:LEU:HD12	1:B:48:LEU:HB2	0.85	1.48	8	13
1:A:19:VAL:CG2	1:B:16:LEU:HD11	0.85	1.97	19	7
1:A:54:ALA:HA	1:A:75:VAL:CA	0.85	2.01	14	4
1:A:44:LEU:HD22	1:B:28:PHE:CE1	0.85	2.07	5	10
1:A:85:LEU:HD13	1:B:77:VAL:CG1	0.85	2.02	7	2
1:A:42:VAL:HG22	1:B:1:MET:HB2	0.85	1.46	9	3
1:A:37:ALA:HB1	1:B:88:ALA:O	0.85	1.69	18	14
1:B:89:ALA:HA	1:B:92:LEU:HD23	0.85	1.43	17	20
1:A:84:SER:C	1:A:86:LYS:H	0.85	1.72	9	3
1:A:16:LEU:HD13	1:B:19:VAL:CG2	0.85	2.01	16	16
1:A:36:VAL:HG21	1:B:85:LEU:HD13	0.85	1.48	23	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:85:LEU:HD12	1:B:85:LEU:C	0.84	1.90	23	1
1:A:20:SER:HB2	1:B:14:THR:HG22	0.84	1.50	17	12
1:B:85:LEU:HD12	1:B:85:LEU:O	0.84	1.71	23	1
1:B:34:GLU:O	1:B:38:LYS:N	0.84	2.10	14	19
1:B:54:ALA:HA	1:B:75:VAL:N	0.84	1.86	7	4
1:A:20:SER:HB3	1:B:16:LEU:HD21	0.84	1.47	19	3
1:A:77:VAL:HG21	1:B:85:LEU:CB	0.84	2.02	3	7
1:A:85:LEU:CB	1:B:77:VAL:HG21	0.84	2.03	18	11
1:A:75:VAL:HB	1:B:94:TYR:CE2	0.84	2.08	5	2
1:A:6:LEU:HD11	1:B:42:VAL:HG13	0.84	1.46	15	7
1:A:32:ILE:CD1	1:A:42:VAL:HG11	0.84	2.02	4	1
1:A:35:THR:HG21	1:A:42:VAL:HG23	0.84	1.48	14	4
1:B:47:PHE:CD1	1:B:85:LEU:HD21	0.84	2.08	16	6
1:A:14:THR:HG22	1:B:20:SER:OG	0.84	1.71	7	1
1:A:85:LEU:CD2	1:B:36:VAL:HG11	0.83	2.03	15	4
1:A:37:ALA:HB2	1:B:88:ALA:O	0.83	1.72	9	9
1:B:7:ILE:HG23	1:B:21:VAL:HB	0.83	1.51	11	10
1:A:16:LEU:HD21	1:B:20:SER:HB3	0.83	1.47	4	6
1:A:8:LYS:HA	1:A:11:ALA:HB3	0.83	1.50	15	23
1:A:50:ILE:HG22	1:A:79:VAL:CG2	0.83	2.03	6	3
1:A:54:ALA:HB2	1:A:75:VAL:HG23	0.83	1.49	3	1
1:A:35:THR:HG23	1:A:40:ASP:CB	0.83	2.04	10	16
1:B:7:ILE:HG13	1:B:25:LEU:HD12	0.83	1.48	5	9
1:A:85:LEU:HB3	1:A:88:ALA:HB3	0.82	1.51	13	2
1:A:77:VAL:HG21	1:B:85:LEU:CD1	0.82	2.03	20	2
1:A:28:PHE:O	1:A:31:ILE:HG13	0.82	1.74	15	22
1:A:24:MET:HB3	1:B:14:THR:HG21	0.82	1.51	11	2
1:B:35:THR:HG21	1:B:42:VAL:HG13	0.82	1.52	8	2
1:A:4:THR:O	1:A:7:ILE:HB	0.82	1.75	9	6
1:A:47:PHE:CD2	1:A:48:LEU:HD23	0.82	2.09	17	3
1:A:32:ILE:HG22	1:B:85:LEU:CD2	0.82	2.03	15	1
1:B:7:ILE:HG21	1:B:25:LEU:HD22	0.82	1.49	18	1
1:A:19:VAL:CG2	1:B:16:LEU:HD13	0.82	2.05	11	16
1:A:75:VAL:CG1	1:B:89:ALA:HB1	0.82	2.05	19	8
1:A:85:LEU:N	1:A:85:LEU:HD22	0.82	1.90	17	2
1:A:85:LEU:HD22	1:B:36:VAL:HG21	0.82	1.51	13	1
1:A:37:ALA:HB2	1:B:88:ALA:CB	0.81	2.05	14	10
1:A:42:VAL:HG13	1:A:50:ILE:HB	0.81	1.52	8	3
1:B:92:LEU:O	1:B:92:LEU:HD12	0.81	1.74	14	20
1:B:48:LEU:HD23	1:B:80:LYS:O	0.81	1.75	12	10
1:B:36:VAL:CG2	1:B:50:ILE:HD12	0.81	2.04	14	2

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:9:ALA:CB	1:B:31:ILE:HD13	0.81	2.04	10	12
1:A:88:ALA:O	1:B:37:ALA:HB1	0.81	1.74	19	16
1:B:36:VAL:CG2	1:B:50:ILE:HG22	0.81	2.05	2	1
1:A:14:THR:HG22	1:A:16:LEU:HD13	0.81	1.53	21	7
1:A:80:LYS:CB	1:A:81:PRO:HD3	0.81	2.06	4	2
1:A:44:LEU:HD12	1:A:48:LEU:HB2	0.80	1.51	1	15
1:A:92:LEU:HG	1:B:36:VAL:O	0.80	1.76	4	1
1:A:50:ILE:HD11	1:B:48:LEU:HD11	0.80	1.53	8	2
1:A:33:THR:O	1:B:88:ALA:HB1	0.80	1.76	17	7
1:A:89:ALA:HA	1:A:92:LEU:HD23	0.80	1.53	18	12
1:A:84:SER:C	1:A:85:LEU:HD22	0.80	1.97	2	2
1:B:14:THR:HG22	1:B:16:LEU:HD13	0.80	1.52	6	5
1:A:44:LEU:HD12	1:A:48:LEU:HB3	0.80	1.53	20	11
1:B:19:VAL:HG22	1:B:20:SER:H	0.80	1.35	10	18
1:A:53:VAL:O	1:A:75:VAL:HG23	0.80	1.76	6	2
1:A:53:VAL:HG22	1:A:76:GLY:O	0.80	1.76	9	20
1:A:85:LEU:O	1:A:85:LEU:HD12	0.80	1.77	6	2
1:B:36:VAL:HG21	1:B:50:ILE:HG22	0.80	1.52	2	3
1:A:85:LEU:O	1:A:89:ALA:N	0.79	2.15	17	9
1:B:47:PHE:CD2	1:B:48:LEU:HD23	0.79	2.13	6	1
1:A:47:PHE:CD1	1:A:85:LEU:HD21	0.79	2.12	12	5
1:B:31:ILE:HA	1:B:34:GLU:HG2	0.79	1.53	23	1
1:B:29:GLU:O	1:B:33:THR:OG1	0.79	2.01	13	1
1:A:20:SER:OG	1:A:24:MET:N	0.79	2.14	5	8
1:A:85:LEU:HD13	1:B:77:VAL:CG2	0.79	2.08	10	3
1:B:48:LEU:HD13	1:B:80:LYS:CG	0.79	2.05	20	1
1:A:77:VAL:CG2	1:B:85:LEU:HD22	0.79	2.07	7	4
1:B:14:THR:HG22	1:B:16:LEU:CD2	0.79	2.08	16	6
1:B:48:LEU:HD13	1:B:80:LYS:CB	0.79	2.08	9	2
1:A:33:THR:HA	1:B:85:LEU:HD23	0.79	1.53	17	9
1:B:31:ILE:O	1:B:34:GLU:HG3	0.79	1.78	23	1
1:B:32:ILE:HD13	1:B:42:VAL:HG21	0.79	1.54	3	1
1:A:85:LEU:CG	1:B:77:VAL:HG21	0.79	2.08	8	4
1:A:92:LEU:CD1	1:B:75:VAL:HG21	0.79	2.07	4	2
1:A:48:LEU:HD23	1:A:80:LYS:O	0.78	1.77	16	13
1:B:44:LEU:HD12	1:B:48:LEU:HB3	0.78	1.55	3	12
1:A:20:SER:OG	1:B:16:LEU:HD11	0.78	1.78	9	8
1:A:43:GLN:O	1:A:44:LEU:HD23	0.78	1.78	11	3
1:B:28:PHE:O	1:B:31:ILE:HG13	0.78	1.77	23	22
1:A:44:LEU:O	1:A:46:GLY:N	0.78	2.15	11	16
1:B:85:LEU:N	1:B:85:LEU:HD12	0.78	1.93	17	2

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:31:ILE:HD13	1:B:9:ALA:CB	0.78	2.09	16	8
1:A:20:SER:HB2	1:B:14:THR:HG21	0.78	1.55	4	3
1:A:77:VAL:HG11	1:B:85:LEU:HB2	0.78	1.55	17	4
1:A:85:LEU:HD22	1:B:77:VAL:CG2	0.78	2.09	15	4
1:A:6:LEU:HD11	1:B:42:VAL:CG1	0.78	2.08	2	7
1:B:8:LYS:HA	1:B:11:ALA:HB3	0.78	1.53	13	23
1:A:48:LEU:HD13	1:B:48:LEU:HD13	0.78	1.56	22	1
1:A:42:VAL:CG1	1:B:6:LEU:HD11	0.77	2.09	4	6
1:A:54:ALA:HB1	1:B:96:ASP:HB3	0.77	1.54	5	1
1:A:48:LEU:HD12	1:A:80:LYS:O	0.77	1.79	7	1
1:A:28:PHE:HB2	1:B:10:ILE:HD11	0.77	1.55	9	5
1:B:35:THR:HG21	1:B:42:VAL:CG1	0.77	2.08	8	2
1:A:50:ILE:HD12	1:A:79:VAL:HG22	0.77	1.57	16	3
1:B:78:SER:O	1:B:79:VAL:HG13	0.77	1.79	12	1
1:B:49:ASN:N	1:B:80:LYS:O	0.77	2.17	20	2
1:A:36:VAL:HG13	1:A:52:PRO:HB3	0.77	1.55	18	10
1:B:7:ILE:HD12	1:B:25:LEU:HD23	0.77	1.55	23	3
1:A:27:SER:O	1:A:31:ILE:HG23	0.77	1.80	15	5
1:A:76:GLY:O	1:A:78:SER:N	0.77	2.17	2	19
1:A:88:ALA:O	1:B:37:ALA:CA	0.77	2.32	4	2
1:B:31:ILE:HA	1:B:34:GLU:CG	0.77	2.10	23	1
1:A:92:LEU:HD23	1:B:37:ALA:C	0.77	2.00	3	3
1:A:53:VAL:O	1:A:75:VAL:HA	0.77	1.79	14	2
1:B:53:VAL:O	1:B:75:VAL:HG22	0.77	1.77	5	1
1:B:77:VAL:HG13	1:B:77:VAL:O	0.77	1.78	17	7
1:A:3:LYS:CG	1:A:25:LEU:HD13	0.76	2.10	13	1
1:A:9:ALA:HB1	1:B:31:ILE:HD13	0.76	1.55	9	12
1:B:54:ALA:HA	1:B:75:VAL:HA	0.76	1.57	11	5
1:A:42:VAL:HG23	1:B:6:LEU:HD11	0.76	1.57	5	1
1:A:92:LEU:HD21	1:B:75:VAL:CG2	0.76	2.11	8	3
1:A:3:LYS:HG2	1:A:25:LEU:HD13	0.76	1.58	13	3
1:A:77:VAL:HG21	1:B:84:SER:CA	0.76	2.09	6	1
1:A:19:VAL:HG22	1:A:20:SER:N	0.76	1.95	18	23
1:B:7:ILE:CG2	1:B:25:LEU:HD22	0.76	2.10	18	2
1:B:10:ILE:C	1:B:14:THR:HG1	0.76	1.82	13	4
1:A:36:VAL:HG21	1:B:85:LEU:CD2	0.76	2.11	19	3
1:B:48:LEU:HD13	1:B:80:LYS:HB3	0.76	1.58	9	2
1:B:42:VAL:HG22	1:B:50:ILE:CG1	0.76	2.09	21	1
1:A:85:LEU:HD22	1:B:33:THR:OG1	0.76	1.81	9	2
1:A:85:LEU:CD1	1:B:77:VAL:HG21	0.76	2.11	13	3
1:A:50:ILE:CD1	1:A:79:VAL:HG23	0.76	2.10	15	6

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:11:ALA:HB2	1:B:21:VAL:HG11	0.76	1.55	22	5
1:A:89:ALA:HB2	1:B:36:VAL:CG1	0.76	2.11	11	1
1:A:78:SER:O	1:A:79:VAL:HG13	0.76	1.79	23	1
1:B:19:VAL:HG22	1:B:20:SER:N	0.76	1.95	10	23
1:B:20:SER:OG	1:B:24:MET:N	0.76	2.19	2	10
1:A:85:LEU:HB3	1:B:77:VAL:HG21	0.76	1.57	14	8
1:A:19:VAL:HG23	1:B:16:LEU:HB2	0.75	1.55	6	6
1:A:2:ASN:C	1:A:6:LEU:HD12	0.75	2.01	6	6
1:B:25:LEU:HG	1:B:26:ALA:N	0.75	1.95	6	4
1:A:75:VAL:HG12	1:B:89:ALA:HB1	0.75	1.56	19	4
1:A:37:ALA:HA	1:B:92:LEU:HB3	0.75	1.58	10	18
1:B:50:ILE:HG22	1:B:79:VAL:CG2	0.75	2.12	21	2
1:A:92:LEU:CD2	1:B:75:VAL:HG21	0.75	2.10	8	2
1:A:36:VAL:HG11	1:A:77:VAL:HG22	0.75	1.58	17	2
1:A:28:PHE:O	1:A:32:ILE:CG1	0.75	2.34	23	23
1:B:91:GLY:C	1:B:92:LEU:HD23	0.75	2.00	13	2
1:A:42:VAL:CG2	1:B:6:LEU:HD11	0.75	2.10	16	4
1:A:35:THR:HG21	1:A:42:VAL:CG2	0.75	2.11	14	4
1:B:95:GLU:O	1:B:97:PHE:N	0.75	2.20	5	1
1:A:33:THR:OG1	1:B:85:LEU:HD12	0.75	1.82	18	2
1:A:77:VAL:HG21	1:B:85:LEU:CG	0.75	2.11	14	4
1:A:48:LEU:HD21	1:B:50:ILE:HD11	0.75	1.57	23	4
1:A:91:GLY:HA3	1:B:37:ALA:HB1	0.74	1.59	4	2
1:A:93:LYS:O	1:A:94:TYR:C	0.74	2.22	19	9
1:B:48:LEU:HD22	1:B:80:LYS:CB	0.74	2.11	20	1
1:A:14:THR:HG21	1:B:24:MET:HB3	0.74	1.58	19	6
1:A:84:SER:C	1:B:77:VAL:HG11	0.74	2.03	9	2
1:A:89:ALA:CA	1:A:92:LEU:HD23	0.74	2.12	23	6
1:A:50:ILE:HD11	1:A:79:VAL:HG23	0.74	1.59	15	1
1:A:92:LEU:HD23	1:A:92:LEU:N	0.74	1.96	17	2
1:B:36:VAL:HG13	1:B:52:PRO:CG	0.74	2.12	19	4
1:A:92:LEU:HD13	1:B:75:VAL:HG21	0.74	1.58	4	1
1:A:44:LEU:HD22	1:B:3:LYS:HD2	0.74	1.57	23	1
1:B:2:ASN:C	1:B:6:LEU:HD12	0.74	2.03	1	3
1:A:42:VAL:HG23	1:A:50:ILE:HD11	0.74	1.59	9	1
1:A:19:VAL:HG22	1:A:20:SER:H	0.74	1.42	18	14
1:A:85:LEU:HD13	1:A:85:LEU:H	0.74	1.42	2	2
1:A:75:VAL:CG2	1:B:92:LEU:HD21	0.74	2.13	19	1
1:B:35:THR:HG23	1:B:40:ASP:CB	0.74	2.12	11	12
1:A:7:ILE:HD12	1:A:25:LEU:HD23	0.74	1.59	20	2
1:B:43:GLN:O	1:B:44:LEU:HD23	0.74	1.83	6	5

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:16:LEU:HD11	1:B:19:VAL:CG2	0.74	2.06	4	5
1:A:3:LYS:O	1:A:25:LEU:HD22	0.74	1.82	17	2
1:A:85:LEU:HD22	1:B:36:VAL:HG11	0.74	1.60	5	4
1:A:16:LEU:HB2	1:B:19:VAL:HG23	0.74	1.59	8	9
1:B:85:LEU:O	1:B:89:ALA:N	0.73	2.21	18	10
1:B:78:SER:C	1:B:79:VAL:HG12	0.73	2.03	17	3
1:A:50:ILE:CD1	1:A:79:VAL:HG22	0.73	2.11	21	3
1:A:35:THR:HG22	1:A:40:ASP:CB	0.73	2.13	19	2
1:A:47:PHE:CD2	1:B:29:GLU:HG3	0.73	2.18	7	7
1:A:19:VAL:C	1:B:16:LEU:HD22	0.73	2.04	6	5
1:A:89:ALA:CA	1:B:37:ALA:HB1	0.73	2.12	14	3
1:B:89:ALA:CA	1:B:92:LEU:HD23	0.73	2.12	14	11
1:A:29:GLU:HG3	1:B:47:PHE:CD1	0.73	2.18	7	4
1:A:42:VAL:HG12	1:B:1:MET:CB	0.73	2.13	20	2
1:B:93:LYS:O	1:B:94:TYR:C	0.73	2.23	5	9
1:A:77:VAL:HG21	1:B:84:SER:HA	0.73	1.57	6	1
1:B:50:ILE:HD13	1:B:79:VAL:HB	0.73	1.61	18	5
1:A:14:THR:HB	1:A:16:LEU:HD12	0.73	1.58	1	4
1:B:21:VAL:HA	1:B:24:MET:HE2	0.73	1.59	7	5
1:A:37:ALA:CB	1:B:88:ALA:O	0.73	2.36	9	16
1:A:35:THR:HG21	1:A:42:VAL:HG13	0.73	1.60	15	2
1:B:36:VAL:O	1:B:52:PRO:HG3	0.72	1.84	14	7
1:A:14:THR:HG22	1:B:20:SER:HG	0.72	1.42	7	1
1:A:6:LEU:HD11	1:B:42:VAL:HG21	0.72	1.60	13	1
1:B:36:VAL:HG23	1:B:50:ILE:CD1	0.72	2.13	19	1
1:A:19:VAL:CG1	1:B:19:VAL:HG11	0.72	2.11	14	16
1:B:36:VAL:HG22	1:B:52:PRO:HD3	0.72	1.60	5	5
1:A:48:LEU:HD22	1:A:82:GLY:HA2	0.72	1.60	4	1
1:A:75:VAL:HG12	1:B:89:ALA:CB	0.72	2.14	17	12
1:B:85:LEU:HB3	1:B:88:ALA:HB3	0.72	1.61	15	6
1:A:85:LEU:CB	1:A:88:ALA:HB3	0.72	2.14	4	3
1:B:86:LYS:O	1:B:89:ALA:HB3	0.72	1.85	14	7
1:A:16:LEU:HD22	1:B:19:VAL:C	0.72	2.04	21	7
1:B:94:TYR:CD1	1:B:94:TYR:C	0.72	2.61	15	4
1:A:47:PHE:CG	1:A:85:LEU:HD23	0.72	2.19	8	1
1:A:88:ALA:O	1:B:37:ALA:HB2	0.72	1.84	4	4
1:A:50:ILE:HG22	1:A:79:VAL:HG23	0.72	1.60	6	2
1:B:54:ALA:HA	1:B:75:VAL:CA	0.72	2.14	11	3
1:A:42:VAL:HG11	1:B:6:LEU:CD1	0.72	2.15	9	1
1:A:50:ILE:HG23	1:A:79:VAL:HG22	0.72	1.61	16	1
1:A:47:PHE:O	1:A:82:GLY:CA	0.72	2.38	1	5

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:7:ILE:HG22	1:A:25:LEU:HD23	0.72	1.59	11	1
1:B:35:THR:HG22	1:B:40:ASP:CB	0.72	2.14	13	1
1:A:36:VAL:CG2	1:B:85:LEU:HD12	0.72	2.13	2	1
1:A:91:GLY:CA	1:B:37:ALA:HB1	0.72	2.15	4	2
1:A:89:ALA:HB1	1:B:75:VAL:HB	0.72	1.62	13	4
1:A:50:ILE:CG1	1:A:79:VAL:HG22	0.72	2.15	21	2
1:B:85:LEU:N	1:B:85:LEU:HD13	0.71	1.98	18	2
1:A:77:VAL:HG11	1:B:84:SER:CB	0.71	2.15	18	1
1:A:89:ALA:CB	1:B:75:VAL:HG12	0.71	2.15	4	4
1:A:54:ALA:HB1	1:B:96:ASP:CB	0.71	2.15	5	1
1:A:85:LEU:HG	1:B:77:VAL:HG21	0.71	1.62	8	1
1:A:42:VAL:HG12	1:B:1:MET:CG	0.71	2.15	18	1
1:A:19:VAL:HG11	1:B:19:VAL:CG1	0.71	2.14	2	22
1:B:47:PHE:O	1:B:82:GLY:N	0.71	2.23	6	8
1:A:7:ILE:HG13	1:A:25:LEU:HD12	0.71	1.62	15	3
1:A:14:THR:HG22	1:B:20:SER:CB	0.71	2.15	20	3
1:A:19:VAL:HB	1:B:19:VAL:HB	0.71	1.60	2	22
1:A:47:PHE:CE2	1:B:32:ILE:HG21	0.71	2.21	4	5
1:B:83:GLU:O	1:B:86:LYS:N	0.71	2.24	6	6
1:A:31:ILE:O	1:A:34:GLU:HG3	0.71	1.84	15	1
1:B:4:THR:O	1:B:7:ILE:HG13	0.71	1.86	21	9
1:A:1:MET:HB3	1:B:42:VAL:HG22	0.71	1.61	11	2
1:B:32:ILE:O	1:B:36:VAL:HG22	0.71	1.85	22	1
1:A:54:ALA:HA	1:A:75:VAL:HA	0.71	1.62	14	8
1:B:85:LEU:HD13	1:B:85:LEU:H	0.71	1.45	18	2
1:A:6:LEU:HD11	1:B:42:VAL:CG2	0.71	2.15	20	2
1:A:18:GLN:O	1:A:19:VAL:C	0.71	2.28	13	23
1:A:53:VAL:O	1:A:76:GLY:N	0.71	2.23	3	18
1:A:93:LYS:O	1:A:93:LYS:CG	0.71	2.37	19	2
1:A:37:ALA:HB1	1:B:88:ALA:C	0.70	2.06	1	6
1:A:14:THR:CG2	1:B:20:SER:HB2	0.70	2.16	5	11
1:B:28:PHE:O	1:B:32:ILE:CG1	0.70	2.39	19	22
1:A:48:LEU:HD13	1:B:48:LEU:CD1	0.70	2.16	22	3
1:B:6:LEU:O	1:B:9:ALA:HB3	0.70	1.85	22	21
1:A:42:VAL:HG21	1:B:6:LEU:HD11	0.70	1.62	16	1
1:B:16:LEU:HD12	1:B:17:THR:N	0.70	2.01	19	1
1:A:42:VAL:CG2	1:B:6:LEU:HD21	0.70	2.16	5	1
1:A:50:ILE:HA	1:A:79:VAL:CB	0.70	2.16	9	3
1:A:77:VAL:HG13	1:A:77:VAL:O	0.70	1.86	15	8
1:A:85:LEU:HD23	1:B:33:THR:HA	0.70	1.62	12	6
1:A:92:LEU:HD12	1:A:93:LYS:HB2	0.70	1.61	11	2

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:19:VAL:CG2	1:B:14:THR:HG21	0.70	2.17	19	1
1:A:50:ILE:HD13	1:A:79:VAL:HB	0.70	1.63	22	2
1:B:3:LYS:HD3	1:B:25:LEU:HD11	0.70	1.62	9	2
1:A:77:VAL:HG12	1:A:79:VAL:CG1	0.70	2.16	19	2
1:A:77:VAL:HG12	1:A:77:VAL:O	0.70	1.86	4	1
1:A:89:ALA:HB1	1:B:75:VAL:CG2	0.70	2.17	11	1
1:A:31:ILE:HA	1:A:34:GLU:HG2	0.69	1.64	15	2
1:A:36:VAL:O	1:A:52:PRO:HG3	0.69	1.87	1	3
1:A:88:ALA:O	1:B:37:ALA:CB	0.69	2.41	4	9
1:A:92:LEU:CG	1:B:36:VAL:O	0.69	2.40	4	1
1:B:42:VAL:HG12	1:B:50:ILE:HG22	0.69	1.63	20	1
1:A:44:LEU:HD12	1:A:48:LEU:HD12	0.69	1.64	1	2
1:A:77:VAL:HG21	1:B:85:LEU:HD13	0.69	1.65	20	4
1:A:92:LEU:HD12	1:B:38:LYS:N	0.69	2.01	17	2
1:A:4:THR:O	1:A:7:ILE:HG13	0.69	1.87	18	13
1:A:28:PHE:CZ	1:B:44:LEU:HD22	0.69	2.23	17	3
1:A:44:LEU:CD1	1:A:48:LEU:HD12	0.69	2.17	1	4
1:B:16:LEU:HD12	1:B:16:LEU:N	0.69	2.02	8	7
1:B:10:ILE:O	1:B:14:THR:HG23	0.69	1.88	9	5
1:B:85:LEU:HD23	1:B:85:LEU:O	0.69	1.86	7	1
1:B:80:LYS:H	1:B:81:PRO:HD2	0.69	1.45	15	3
1:A:16:LEU:HD11	1:B:20:SER:OG	0.69	1.88	20	3
1:B:34:GLU:O	1:B:38:LYS:HB2	0.69	1.88	2	15
1:B:7:ILE:HG22	1:B:25:LEU:HD23	0.69	1.63	19	1
1:B:20:SER:O	1:B:21:VAL:C	0.69	2.31	6	23
1:A:36:VAL:HG11	1:A:77:VAL:CG2	0.69	2.18	17	4
1:B:7:ILE:HA	1:B:25:LEU:HD12	0.69	1.63	21	2
1:A:75:VAL:HG12	1:B:89:ALA:HB2	0.69	1.65	10	4
1:A:85:LEU:HD13	1:B:77:VAL:HG11	0.69	1.64	7	2
1:A:21:VAL:HA	1:A:24:MET:CE	0.69	2.17	17	18
1:B:36:VAL:HG11	1:B:77:VAL:HG23	0.69	1.63	3	3
1:B:50:ILE:HG23	1:B:79:VAL:HG12	0.69	1.63	12	1
1:A:35:THR:HG21	1:B:1:MET:SD	0.69	2.28	21	3
1:A:6:LEU:O	1:A:9:ALA:HB3	0.69	1.88	13	23
1:A:49:ASN:C	1:A:79:VAL:HG23	0.69	2.07	20	4
1:A:42:VAL:HG22	1:B:1:MET:CB	0.69	2.16	9	1
1:A:3:LYS:O	1:A:25:LEU:HD12	0.69	1.88	15	1
1:A:85:LEU:HD22	1:B:33:THR:HA	0.69	1.63	19	1
1:A:29:GLU:O	1:A:33:THR:HB	0.68	1.87	4	8
1:B:44:LEU:N	1:B:48:LEU:O	0.68	2.25	6	3
1:A:17:THR:HG21	1:B:17:THR:CG2	0.68	2.19	15	17

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:38:LYS:N	1:B:92:LEU:HD12	0.68	2.03	7	3
1:B:36:VAL:HG13	1:B:52:PRO:HB3	0.68	1.63	5	8
1:A:33:THR:HA	1:B:85:LEU:HD13	0.68	1.64	4	1
1:B:48:LEU:HD22	1:B:80:LYS:HB3	0.68	1.63	20	3
1:A:29:GLU:HG2	1:B:45:THR:HG22	0.68	1.65	8	6
1:A:77:VAL:HG21	1:B:85:LEU:HB3	0.68	1.64	3	7
1:A:17:THR:HG21	1:B:17:THR:HG21	0.68	1.66	13	14
1:A:50:ILE:HG22	1:A:79:VAL:HG12	0.68	1.66	23	1
1:A:20:SER:O	1:A:21:VAL:C	0.68	2.32	4	23
1:A:20:SER:HB2	1:B:14:THR:CG2	0.68	2.18	8	7
1:A:49:ASN:O	1:A:79:VAL:HA	0.68	1.88	2	5
1:A:49:ASN:O	1:A:79:VAL:HB	0.68	1.89	19	3
1:A:36:VAL:HG22	1:A:52:PRO:HB3	0.68	1.63	16	2
1:A:28:PHE:HA	1:A:31:ILE:CG1	0.68	2.18	4	23
1:B:28:PHE:HA	1:B:31:ILE:CG1	0.68	2.19	21	22
1:A:47:PHE:CD1	1:B:29:GLU:HG3	0.68	2.23	1	5
1:B:27:SER:O	1:B:31:ILE:HG23	0.68	1.88	23	7
1:A:7:ILE:HG21	1:A:25:LEU:CD2	0.68	2.18	19	3
1:B:18:GLN:O	1:B:19:VAL:C	0.68	2.32	23	23
1:B:27:SER:O	1:B:31:ILE:N	0.68	2.27	9	21
1:A:34:GLU:O	1:A:38:LYS:N	0.68	2.27	21	18
1:B:7:ILE:HG22	1:B:25:LEU:HD22	0.68	1.66	6	1
1:A:35:THR:HG22	1:A:40:ASP:HB2	0.68	1.64	19	1
1:B:50:ILE:CG1	1:B:79:VAL:HG22	0.68	2.19	13	1
1:A:35:THR:C	1:A:40:ASP:HB2	0.68	2.09	19	2
1:A:37:ALA:O	1:B:92:LEU:HB2	0.67	1.89	7	3
1:B:44:LEU:O	1:B:46:GLY:N	0.67	2.27	8	21
1:B:48:LEU:CD1	1:B:80:LYS:HG2	0.67	2.11	20	1
1:A:48:LEU:HD11	1:B:50:ILE:CD1	0.67	2.19	23	1
1:A:14:THR:CG2	1:A:16:LEU:CD1	0.67	2.70	19	10
1:A:77:VAL:HG12	1:A:79:VAL:HG12	0.67	1.66	8	2
1:A:77:VAL:HG21	1:B:85:LEU:HB2	0.67	1.65	13	5
1:B:14:THR:HG22	1:B:16:LEU:HD21	0.67	1.66	22	7
1:B:93:LYS:O	1:B:93:LYS:CG	0.67	2.43	5	1
1:B:7:ILE:HG22	1:B:25:LEU:CD2	0.67	2.19	6	2
1:A:35:THR:HG21	1:A:42:VAL:CG1	0.67	2.19	15	2
1:B:7:ILE:HG12	1:B:21:VAL:O	0.67	1.89	17	10
1:A:92:LEU:HB3	1:B:37:ALA:HA	0.67	1.65	9	10
1:A:50:ILE:HA	1:A:79:VAL:HB	0.67	1.66	9	3
1:B:42:VAL:HG22	1:B:50:ILE:HG22	0.67	1.67	23	1
1:A:25:LEU:C	1:A:25:LEU:CD1	0.67	2.59	20	6

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:11:ALA:HB2	1:B:21:VAL:CG1	0.67	2.20	22	3
1:A:82:GLY:O	1:A:83:GLU:C	0.67	2.33	4	2
1:A:32:ILE:O	1:A:36:VAL:HG22	0.67	1.90	23	2
1:A:35:THR:HG22	1:A:40:ASP:CA	0.67	2.20	19	2
1:A:47:PHE:CZ	1:B:32:ILE:HG21	0.67	2.25	22	14
1:A:24:MET:HB3	1:B:10:ILE:HG23	0.67	1.66	2	8
1:A:85:LEU:HB3	1:B:77:VAL:HG11	0.67	1.65	5	2
1:A:42:VAL:HG11	1:B:6:LEU:HD11	0.67	1.66	9	3
1:A:3:LYS:HA	1:A:25:LEU:HD11	0.67	1.66	11	1
1:A:42:VAL:HG12	1:B:1:MET:SD	0.67	2.30	18	1
1:B:50:ILE:HD12	1:B:79:VAL:HG12	0.66	1.66	12	2
1:B:42:VAL:HG23	1:B:50:ILE:HB	0.66	1.65	8	1
1:B:85:LEU:HD12	1:B:85:LEU:H	0.66	1.46	10	2
1:A:92:LEU:HB3	1:B:37:ALA:O	0.66	1.90	2	13
1:A:92:LEU:HD23	1:B:37:ALA:O	0.66	1.90	3	2
1:B:83:GLU:O	1:B:84:SER:C	0.66	2.34	6	9
1:A:85:LEU:HB3	1:A:88:ALA:CB	0.66	2.21	4	1
1:B:35:THR:HG21	1:B:42:VAL:CG2	0.66	2.20	11	4
1:B:35:THR:HG22	1:B:40:ASP:HB2	0.66	1.65	13	1
1:A:7:ILE:N	1:A:25:LEU:HD12	0.66	2.06	4	7
1:A:36:VAL:HG21	1:A:50:ILE:HG22	0.66	1.68	1	2
1:A:85:LEU:HD22	1:B:36:VAL:CG1	0.66	2.21	14	1
1:B:42:VAL:HG22	1:B:50:ILE:HG12	0.66	1.66	21	1
1:B:3:LYS:HB3	1:B:25:LEU:HD13	0.66	1.66	23	1
1:B:36:VAL:HG22	1:B:52:PRO:CD	0.66	2.20	11	5
1:A:7:ILE:HA	1:A:25:LEU:HD12	0.66	1.67	22	6
1:B:36:VAL:CG2	1:B:42:VAL:HG12	0.66	2.20	6	1
1:A:19:VAL:HG13	1:A:20:SER:H	0.66	1.49	23	13
1:A:14:THR:HG21	1:B:19:VAL:CG2	0.66	2.21	9	5
1:A:14:THR:HG22	1:A:16:LEU:HD21	0.66	1.66	9	6
1:A:50:ILE:N	1:A:79:VAL:HG23	0.66	2.06	20	1
1:A:10:ILE:O	1:A:14:THR:CB	0.66	2.44	11	23
1:A:16:LEU:HD11	1:B:20:SER:CB	0.66	2.20	20	4
1:A:16:LEU:HD21	1:B:20:SER:CB	0.66	2.21	13	4
1:A:77:VAL:HG11	1:B:85:LEU:HD12	0.66	1.66	20	1
1:B:48:LEU:HD22	1:B:80:LYS:CG	0.66	2.21	20	1
1:A:86:LYS:O	1:A:89:ALA:HB3	0.66	1.91	15	11
1:A:81:PRO:HB2	1:B:77:VAL:HG11	0.66	1.68	2	1
1:A:85:LEU:N	1:A:85:LEU:HD13	0.66	2.05	2	2
1:A:35:THR:HG22	1:A:40:ASP:O	0.66	1.90	21	3
1:B:50:ILE:HD13	1:B:79:VAL:HG21	0.66	1.66	1	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:89:ALA:N	1:B:37:ALA:CB	0.65	2.52	14	3
1:A:16:LEU:HD13	1:B:19:VAL:HG22	0.65	1.67	3	11
1:A:88:ALA:HB1	1:B:36:VAL:HB	0.65	1.65	4	2
1:A:29:GLU:HG3	1:B:47:PHE:CD2	0.65	2.26	21	6
1:A:48:LEU:CD1	1:B:48:LEU:HD13	0.65	2.21	22	3
1:A:31:ILE:CD1	1:B:6:LEU:HD23	0.65	2.20	23	5
1:A:1:MET:SD	1:B:35:THR:HG21	0.65	2.31	2	4
1:A:36:VAL:HG21	1:A:77:VAL:HG13	0.65	1.66	17	1
1:A:81:PRO:HB3	1:B:77:VAL:HG12	0.65	1.67	20	1
1:A:47:PHE:HA	1:A:82:GLY:HA2	0.65	1.66	11	2
1:B:14:THR:CG2	1:B:16:LEU:CD1	0.65	2.72	3	7
1:B:16:LEU:HD12	1:B:16:LEU:H	0.65	1.52	6	10
1:A:45:THR:HG22	1:B:29:GLU:HG2	0.65	1.68	11	6
1:A:77:VAL:CG2	1:B:85:LEU:HD21	0.65	2.21	18	2
1:A:33:THR:OG1	1:B:85:LEU:HB2	0.65	1.92	23	1
1:A:32:ILE:HG21	1:B:47:PHE:CZ	0.65	2.27	2	16
1:B:49:ASN:O	1:B:50:ILE:HD13	0.65	1.91	2	1
1:A:44:LEU:HD12	1:A:47:PHE:CE1	0.65	2.26	8	8
1:A:75:VAL:HG13	1:A:77:VAL:HG23	0.65	1.66	6	1
1:A:85:LEU:H	1:A:85:LEU:HD23	0.65	1.51	9	1
1:A:25:LEU:HG	1:A:26:ALA:N	0.65	2.06	19	5
1:A:47:PHE:HD1	1:A:85:LEU:HD11	0.65	1.52	13	1
1:B:7:ILE:N	1:B:25:LEU:HD12	0.65	2.07	14	4
1:B:36:VAL:HG13	1:B:52:PRO:HG3	0.65	1.68	2	4
1:A:28:PHE:CE1	1:B:44:LEU:HD22	0.65	2.27	3	11
1:A:88:ALA:CB	1:B:33:THR:O	0.65	2.44	4	3
1:B:84:SER:O	1:B:86:LYS:CA	0.65	2.44	4	6
1:B:47:PHE:O	1:B:48:LEU:HD22	0.65	1.91	6	1
1:A:47:PHE:HD2	1:A:48:LEU:HD23	0.65	1.50	17	2
1:A:50:ILE:HD13	1:A:79:VAL:HG23	0.65	1.68	4	4
1:B:10:ILE:O	1:B:14:THR:CB	0.65	2.44	3	22
1:A:84:SER:O	1:A:86:LYS:CA	0.65	2.45	4	3
1:A:16:LEU:N	1:A:16:LEU:HD12	0.65	2.07	5	2
1:A:75:VAL:HG23	1:B:94:TYR:CD1	0.65	2.27	19	1
1:B:19:VAL:HG13	1:B:20:SER:H	0.65	1.52	1	11
1:A:93:LYS:CG	1:A:93:LYS:O	0.65	2.45	7	4
1:A:6:LEU:HD11	1:B:42:VAL:HG22	0.65	1.68	20	1
1:A:16:LEU:H	1:A:16:LEU:HD12	0.64	1.51	3	12
1:A:24:MET:O	1:B:10:ILE:HD11	0.64	1.91	7	2
1:A:85:LEU:HB2	1:B:77:VAL:HG11	0.64	1.69	20	4
1:A:2:ASN:O	1:A:6:LEU:HD12	0.64	1.91	5	5

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:75:VAL:HB	1:B:94:TYR:CG	0.64	2.27	14	1
1:A:7:ILE:HG21	1:A:25:LEU:HD22	0.64	1.69	19	2
1:B:36:VAL:HG21	1:B:77:VAL:CG2	0.64	2.14	21	1
1:A:35:THR:HG23	1:A:40:ASP:HB2	0.64	1.68	9	16
1:B:29:GLU:O	1:B:33:THR:HB	0.64	1.93	2	10
1:A:47:PHE:CB	1:B:33:THR:HG1	0.64	2.05	14	2
1:B:47:PHE:CE2	1:B:48:LEU:HG	0.64	2.28	8	4
1:A:54:ALA:HA	1:A:75:VAL:N	0.64	2.08	5	3
1:A:92:LEU:HD12	1:A:92:LEU:C	0.64	2.13	1	6
1:B:14:THR:C	1:B:16:LEU:HD12	0.64	2.13	10	12
1:B:80:LYS:HB2	1:B:81:PRO:HD2	0.64	1.67	2	6
1:A:75:VAL:CB	1:B:89:ALA:HB1	0.64	2.22	15	4
1:B:47:PHE:O	1:B:85:LEU:HD11	0.64	1.91	13	1
1:A:13:ASP:OD2	1:B:31:ILE:HG21	0.64	1.92	14	4
1:B:14:THR:CA	1:B:16:LEU:HD12	0.64	2.22	10	8
1:A:54:ALA:CA	1:A:75:VAL:HA	0.64	2.23	14	4
1:B:33:THR:O	1:B:36:VAL:HG23	0.64	1.93	22	1
1:B:44:LEU:HD12	1:B:47:PHE:CE1	0.64	2.28	4	6
1:A:35:THR:HG23	1:A:40:ASP:HB3	0.64	1.68	6	10
1:A:6:LEU:HD23	1:B:31:ILE:CD1	0.64	2.23	6	4
1:A:34:GLU:O	1:A:37:ALA:HB3	0.64	1.91	14	1
1:B:44:LEU:HD13	1:B:47:PHE:CE1	0.64	2.27	23	1
1:A:44:LEU:HD22	1:B:28:PHE:CZ	0.64	2.27	15	4
1:A:20:SER:HB3	1:B:16:LEU:CD1	0.64	2.22	2	3
1:B:47:PHE:O	1:B:82:GLY:CA	0.64	2.46	6	1
1:B:4:THR:O	1:B:7:ILE:CG1	0.64	2.46	14	9
1:B:7:ILE:HD11	1:B:21:VAL:O	0.64	1.92	20	3
1:A:84:SER:HB3	1:A:86:LYS:HB2	0.63	1.70	17	3
1:A:92:LEU:CD2	1:B:36:VAL:O	0.63	2.47	4	1
1:A:84:SER:O	1:B:77:VAL:HG21	0.63	1.93	9	1
1:B:10:ILE:HG21	1:B:24:MET:CE	0.63	2.23	14	2
1:A:92:LEU:HD12	1:B:37:ALA:C	0.63	2.13	20	2
1:A:28:PHE:CE1	1:A:32:ILE:HG13	0.63	2.28	18	7
1:B:92:LEU:HD23	1:B:92:LEU:N	0.63	2.05	13	2
1:B:50:ILE:CD1	1:B:79:VAL:HG12	0.63	2.24	12	2
1:A:4:THR:O	1:A:7:ILE:CG1	0.63	2.47	4	13
1:B:94:TYR:CE1	1:B:96:ASP:OD1	0.63	2.51	5	1
1:A:20:SER:HB3	1:A:23:LYS:CB	0.63	2.23	22	9
1:B:28:PHE:CE2	1:B:32:ILE:HD11	0.63	2.27	13	12
1:A:82:GLY:O	1:A:85:LEU:HD12	0.63	1.94	20	3
1:A:42:VAL:HG23	1:A:50:ILE:HB	0.63	1.70	15	2

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:78:SER:O	1:B:79:VAL:CG1	0.63	2.46	12	1
1:B:1:MET:CE	1:B:6:LEU:HD23	0.63	2.24	11	4
1:A:85:LEU:HD21	1:B:36:VAL:HG21	0.63	1.69	11	1
1:B:88:ALA:O	1:B:92:LEU:HG	0.63	1.94	1	3
1:A:85:LEU:HB2	1:B:77:VAL:HG21	0.63	1.70	3	6
1:A:28:PHE:CZ	1:B:44:LEU:HD13	0.63	2.29	14	6
1:A:37:ALA:CB	1:B:88:ALA:HB1	0.63	2.24	18	6
1:A:77:VAL:HG11	1:B:81:PRO:CB	0.63	2.24	8	1
1:B:7:ILE:HG22	1:B:8:LYS:N	0.63	2.08	15	11
1:B:53:VAL:O	1:B:76:GLY:N	0.63	2.32	16	20
1:A:88:ALA:HA	1:B:37:ALA:HB2	0.63	1.70	4	1
1:A:75:VAL:CG1	1:B:89:ALA:HB3	0.63	2.11	7	2
1:A:49:ASN:O	1:A:79:VAL:CB	0.63	2.46	19	3
1:B:25:LEU:C	1:B:25:LEU:CD1	0.63	2.62	20	5
1:A:25:LEU:HD12	1:A:25:LEU:O	0.63	1.93	11	2
1:B:35:THR:HG22	1:B:40:ASP:CA	0.63	2.24	13	1
1:A:77:VAL:HG11	1:B:85:LEU:CB	0.63	2.24	17	1
1:B:7:ILE:HG22	1:B:25:LEU:HD12	0.63	1.71	12	3
1:B:76:GLY:O	1:B:78:SER:N	0.63	2.31	4	17
1:B:14:THR:HG22	1:B:16:LEU:CG	0.63	2.24	19	3
1:B:10:ILE:HG22	1:B:21:VAL:HG12	0.63	1.71	19	3
1:A:50:ILE:N	1:A:50:ILE:HD13	0.63	2.08	21	2
1:A:53:VAL:HG22	1:A:76:GLY:HA3	0.63	1.70	23	1
1:A:27:SER:O	1:A:31:ILE:N	0.62	2.31	9	21
1:A:94:TYR:CD1	1:B:75:VAL:N	0.62	2.67	9	12
1:A:42:VAL:HG12	1:B:1:MET:HB2	0.62	1.71	22	2
1:A:28:PHE:CE2	1:A:32:ILE:HD11	0.62	2.30	6	11
1:A:48:LEU:HD22	1:A:82:GLY:CA	0.62	2.24	4	1
1:B:49:ASN:N	1:B:81:PRO:HG2	0.62	2.09	6	1
1:A:83:GLU:O	1:A:84:SER:C	0.62	2.37	19	6
1:A:85:LEU:O	1:A:88:ALA:HB3	0.62	1.94	4	3
1:A:89:ALA:HB2	1:B:75:VAL:HG12	0.62	1.70	4	2
1:B:47:PHE:O	1:B:81:PRO:HA	0.62	1.95	10	13
1:A:75:VAL:CG1	1:A:77:VAL:HG23	0.62	2.24	6	1
1:A:94:TYR:CD1	1:B:75:VAL:O	0.62	2.52	1	1
1:A:42:VAL:HB	1:B:6:LEU:HD11	0.62	1.71	15	2
1:A:7:ILE:HD11	1:A:25:LEU:HD23	0.62	1.69	20	1
1:B:42:VAL:HG22	1:B:50:ILE:CG2	0.62	2.25	23	1
1:B:28:PHE:O	1:B:32:ILE:HG12	0.62	1.94	22	10
1:A:37:ALA:CB	1:B:88:ALA:C	0.62	2.68	18	8
1:B:21:VAL:HA	1:B:24:MET:CE	0.62	2.25	9	14

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:94:TYR:O	1:B:97:PHE:N	0.62	2.30	5	1
1:A:7:ILE:HG22	1:A:8:LYS:HE3	0.62	1.69	9	1
1:A:40:ASP:OD1	1:A:50:ILE:HG22	0.62	1.94	19	1
1:B:28:PHE:HA	1:B:31:ILE:HG12	0.62	1.70	23	6
1:B:47:PHE:CD1	1:B:85:LEU:HD12	0.62	2.29	11	1
1:A:78:SER:O	1:A:79:VAL:CG2	0.62	2.47	14	3
1:A:20:SER:C	1:A:22:SER:N	0.62	2.53	13	23
1:A:54:ALA:HB2	1:B:97:PHE:HB3	0.62	1.72	23	5
1:A:36:VAL:HG11	1:B:85:LEU:HD22	0.62	1.72	5	2
1:B:49:ASN:O	1:B:79:VAL:HB	0.62	1.95	2	4
1:B:20:SER:CB	1:B:23:LYS:HG2	0.62	2.24	2	1
1:B:28:PHE:CE1	1:B:29:GLU:HG3	0.62	2.29	14	1
1:B:85:LEU:C	1:B:85:LEU:CD1	0.62	2.66	23	1
1:A:92:LEU:HD12	1:A:93:LYS:HB3	0.61	1.71	3	1
1:B:85:LEU:N	1:B:85:LEU:CD1	0.61	2.63	10	3
1:B:28:PHE:O	1:B:32:ILE:HD13	0.61	1.95	12	1
1:B:42:VAL:HB	1:B:50:ILE:CG1	0.61	2.25	19	1
1:A:47:PHE:O	1:A:82:GLY:N	0.61	2.33	4	14
1:A:79:VAL:HG11	1:B:81:PRO:HD3	0.61	1.71	11	3
1:A:33:THR:OG1	1:B:85:LEU:HD22	0.61	1.95	2	2
1:A:85:LEU:CD1	1:B:36:VAL:HG21	0.61	2.25	4	1
1:B:28:PHE:CD1	1:B:29:GLU:N	0.61	2.68	18	7
1:A:10:ILE:HD11	1:B:28:PHE:N	0.61	2.10	21	2
1:A:94:TYR:CD2	1:B:75:VAL:HB	0.61	2.30	10	1
1:A:3:LYS:O	1:A:25:LEU:HD13	0.61	1.95	17	1
1:A:75:VAL:H	1:B:89:ALA:HB1	0.61	1.55	2	1
1:B:77:VAL:HG22	1:B:77:VAL:O	0.61	1.94	14	7
1:A:53:VAL:HG22	1:A:76:GLY:CA	0.61	2.25	23	1
1:B:10:ILE:O	1:B:14:THR:CG2	0.61	2.48	9	5
1:B:75:VAL:CG1	1:B:77:VAL:HG23	0.61	2.24	9	2
1:A:4:THR:O	1:A:7:ILE:HG12	0.61	1.96	13	2
1:A:7:ILE:HG13	1:A:8:LYS:N	0.61	2.10	4	13
1:A:29:GLU:HG2	1:B:47:PHE:CE1	0.61	2.30	3	2
1:A:36:VAL:HG22	1:A:52:PRO:HD3	0.61	1.71	5	4
1:A:50:ILE:HD13	1:A:79:VAL:HG21	0.61	1.70	19	2
1:A:24:MET:HG2	1:B:14:THR:HG22	0.61	1.72	9	4
1:A:31:ILE:O	1:A:35:THR:N	0.61	2.29	4	11
1:A:36:VAL:HG22	1:A:52:PRO:CD	0.61	2.25	8	2
1:A:7:ILE:HG22	1:A:25:LEU:CD2	0.61	2.26	11	1
1:B:11:ALA:CB	1:B:21:VAL:HG11	0.61	2.26	14	3
1:A:14:THR:HG22	1:B:20:SER:HB3	0.61	1.72	2	3

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:77:VAL:HG21	1:B:85:LEU:CD2	0.61	2.26	14	2
1:A:10:ILE:C	1:A:14:THR:HG1	0.61	1.95	9	3
1:A:28:PHE:HE2	1:B:44:LEU:HD22	0.61	1.56	4	7
1:A:20:SER:HB2	1:A:23:LYS:HB2	0.61	1.73	12	6
1:B:4:THR:O	1:B:7:ILE:HB	0.61	1.96	22	12
1:A:16:LEU:HD21	1:B:20:SER:OG	0.61	1.95	20	3
1:B:44:LEU:HB3	1:B:47:PHE:CE2	0.61	2.31	9	2
1:A:7:ILE:HG22	1:A:8:LYS:N	0.61	2.11	7	6
1:B:20:SER:C	1:B:22:SER:N	0.61	2.53	18	23
1:A:44:LEU:HD22	1:B:28:PHE:HE1	0.61	1.56	7	5
1:A:35:THR:CG2	1:A:42:VAL:HG23	0.61	2.25	17	2
1:A:7:ILE:HG12	1:A:21:VAL:O	0.61	1.96	1	5
1:A:79:VAL:HG11	1:B:81:PRO:CD	0.61	2.26	11	2
1:A:89:ALA:CB	1:B:75:VAL:CG1	0.61	2.79	15	8
1:B:77:VAL:O	1:B:78:SER:O	0.61	2.19	9	3
1:A:7:ILE:CG2	1:A:25:LEU:HD23	0.61	2.25	11	1
1:A:36:VAL:CG1	1:A:77:VAL:HG22	0.61	2.26	17	1
1:B:27:SER:O	1:B:31:ILE:CG1	0.60	2.48	6	15
1:B:20:SER:HB2	1:B:23:LYS:HB2	0.60	1.73	7	3
1:A:11:ALA:HB2	1:A:21:VAL:HG11	0.60	1.71	4	4
1:A:44:LEU:HD13	1:B:28:PHE:CZ	0.60	2.30	22	7
1:B:50:ILE:N	1:B:50:ILE:CD1	0.60	2.63	13	2
1:A:31:ILE:HA	1:A:34:GLU:HG3	0.60	1.73	9	1
1:A:48:LEU:CG	1:B:48:LEU:HD11	0.60	2.26	9	1
1:A:7:ILE:HD11	1:A:21:VAL:C	0.60	2.16	17	1
1:A:77:VAL:HG21	1:B:84:SER:O	0.60	1.97	10	1
1:A:79:VAL:CG2	1:A:80:LYS:N	0.60	2.64	9	14
1:A:32:ILE:HG21	1:B:47:PHE:CE2	0.60	2.31	10	4
1:B:80:LYS:CB	1:B:81:PRO:HD3	0.60	2.26	6	1
1:A:86:LYS:HG3	1:B:77:VAL:HG12	0.60	1.74	10	1
1:A:89:ALA:CB	1:B:75:VAL:HG21	0.60	2.24	11	1
1:B:25:LEU:HD23	1:B:28:PHE:CD2	0.60	2.30	21	1
1:A:77:VAL:CG2	1:B:85:LEU:HD12	0.60	2.26	9	1
1:A:77:VAL:CG1	1:B:85:LEU:HD13	0.60	2.20	10	1
1:A:35:THR:HG22	1:A:40:ASP:HA	0.60	1.72	20	2
1:A:28:PHE:CE2	1:A:29:GLU:HG3	0.60	2.31	9	7
1:B:23:LYS:O	1:B:27:SER:CB	0.60	2.50	2	14
1:A:47:PHE:O	1:A:81:PRO:HA	0.60	1.97	13	10
1:A:36:VAL:HG11	1:B:85:LEU:CD2	0.60	2.23	18	2
1:A:81:PRO:CB	1:B:77:VAL:HG12	0.60	2.27	20	1
1:B:53:VAL:HG22	1:B:76:GLY:CA	0.60	2.27	5	3

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:31:ILE:O	1:A:35:THR:OG1	0.60	2.20	19	4
1:B:78:SER:O	1:B:79:VAL:CG2	0.60	2.48	13	1
1:A:19:VAL:CG2	1:A:20:SER:N	0.60	2.65	18	16
1:B:50:ILE:HG13	1:B:79:VAL:HG22	0.60	1.72	13	1
1:A:50:ILE:CD1	1:A:50:ILE:N	0.60	2.64	21	3
1:A:88:ALA:C	1:B:37:ALA:HB2	0.60	2.17	11	8
1:A:92:LEU:O	1:A:93:LYS:CB	0.60	2.50	15	14
1:B:7:ILE:HG13	1:B:8:LYS:N	0.60	2.11	14	9
1:B:7:ILE:HD13	1:B:21:VAL:CG2	0.60	2.27	8	6
1:A:85:LEU:CG	1:B:33:THR:HA	0.60	2.27	17	3
1:B:19:VAL:CG2	1:B:20:SER:N	0.60	2.63	10	16
1:A:85:LEU:CD2	1:B:36:VAL:HG21	0.60	2.24	13	1
1:A:88:ALA:C	1:B:37:ALA:CB	0.59	2.70	15	15
1:B:31:ILE:O	1:B:35:THR:CB	0.59	2.50	9	17
1:B:50:ILE:HA	1:B:79:VAL:HB	0.59	1.74	1	2
1:B:79:VAL:CG2	1:B:80:LYS:N	0.59	2.65	17	11
1:A:48:LEU:HD11	1:B:50:ILE:HD11	0.59	1.73	3	2
1:A:31:ILE:HD12	1:B:6:LEU:HD23	0.59	1.73	5	1
1:B:92:LEU:O	1:B:93:LYS:CG	0.59	2.50	14	2
1:A:42:VAL:HG12	1:A:42:VAL:O	0.59	1.97	6	1
1:B:16:LEU:HD12	1:B:17:THR:H	0.59	1.57	19	1
1:B:33:THR:HA	1:B:36:VAL:CG2	0.59	2.27	23	2
1:B:20:SER:HB3	1:B:23:LYS:CB	0.59	2.27	6	9
1:A:94:TYR:CE1	1:B:75:VAL:N	0.59	2.71	6	4
1:A:80:LYS:HB2	1:A:81:PRO:HD3	0.59	1.75	4	1
1:A:47:PHE:CE2	1:B:29:GLU:HG3	0.59	2.32	10	8
1:A:20:SER:HB2	1:B:16:LEU:HD21	0.59	1.74	16	1
1:A:94:TYR:CE1	1:B:75:VAL:O	0.59	2.55	1	2
1:B:15:GLY:O	1:B:16:LEU:C	0.59	2.41	20	7
1:A:77:VAL:CG2	1:B:85:LEU:HD13	0.59	2.26	5	4
1:B:36:VAL:HG13	1:B:52:PRO:CB	0.59	2.27	5	4
1:B:21:VAL:O	1:B:25:LEU:HD23	0.59	1.97	18	1
1:A:3:LYS:HD2	1:A:25:LEU:HD13	0.59	1.72	20	1
1:B:28:PHE:CE1	1:B:32:ILE:HG13	0.59	2.32	3	6
1:B:7:ILE:CG2	1:B:25:LEU:CD2	0.59	2.80	6	2
1:B:85:LEU:N	1:B:85:LEU:HD22	0.59	2.12	6	1
1:A:80:LYS:CB	1:A:81:PRO:CD	0.59	2.80	4	4
1:B:20:SER:OG	1:B:23:LYS:CB	0.59	2.51	15	9
1:A:19:VAL:HG22	1:B:16:LEU:HD13	0.59	1.72	3	12
1:A:85:LEU:O	1:A:88:ALA:N	0.59	2.35	13	5
1:A:33:THR:HA	1:B:85:LEU:HG	0.59	1.73	18	3

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:75:VAL:CB	1:B:94:TYR:CD2	0.59	2.83	5	2
1:A:14:THR:HG21	1:B:24:MET:HG3	0.59	1.74	7	1
1:A:25:LEU:HA	1:A:28:PHE:HB3	0.59	1.74	9	17
1:B:80:LYS:N	1:B:81:PRO:HD2	0.59	2.13	20	3
1:B:4:THR:O	1:B:7:ILE:HG23	0.59	1.97	18	3
1:A:84:SER:CB	1:A:86:LYS:HB2	0.59	2.28	17	4
1:A:29:GLU:O	1:A:33:THR:CB	0.59	2.50	4	2
1:B:47:PHE:CE1	1:B:48:LEU:HG	0.59	2.33	9	9
1:B:82:GLY:O	1:B:83:GLU:C	0.59	2.41	6	1
1:A:42:VAL:HG13	1:B:1:MET:HB3	0.59	1.73	9	1
1:A:50:ILE:CD1	1:A:79:VAL:HG13	0.59	2.28	16	1
1:A:92:LEU:HD12	1:B:38:LYS:CA	0.59	2.27	17	1
1:A:92:LEU:HB2	1:B:37:ALA:O	0.59	1.98	20	2
1:B:77:VAL:O	1:B:77:VAL:HG12	0.59	1.98	19	1
1:A:20:SER:CB	1:B:14:THR:HG22	0.59	2.24	17	3
1:B:50:ILE:HD12	1:B:79:VAL:CG1	0.59	2.28	12	2
1:B:24:MET:HE3	1:B:25:LEU:HD23	0.59	1.73	16	5
1:B:50:ILE:CD1	1:B:79:VAL:HG22	0.59	2.27	13	1
1:A:77:VAL:HG21	1:B:85:LEU:HG	0.59	1.73	14	4
1:B:85:LEU:O	1:B:88:ALA:HB3	0.59	1.97	2	7
1:A:85:LEU:HD12	1:B:77:VAL:HG23	0.59	1.75	4	1
1:A:88:ALA:CA	1:B:37:ALA:HB2	0.59	2.28	4	2
1:A:25:LEU:HD12	1:A:26:ALA:N	0.59	2.13	13	2
1:A:1:MET:HG3	1:B:42:VAL:HG23	0.59	1.75	22	1
1:A:44:LEU:HD12	1:A:48:LEU:CD1	0.58	2.27	15	3
1:B:49:ASN:C	1:B:79:VAL:HG23	0.58	2.19	1	1
1:A:10:ILE:HG22	1:A:21:VAL:HG12	0.58	1.74	23	8
1:A:20:SER:HB3	1:B:14:THR:CG2	0.58	2.28	19	3
1:B:21:VAL:HA	1:B:24:MET:SD	0.58	2.38	16	13
1:A:85:LEU:CD2	1:B:77:VAL:HG22	0.58	2.28	1	1
1:A:92:LEU:CB	1:B:37:ALA:O	0.58	2.50	23	12
1:B:42:VAL:HG13	1:B:50:ILE:HB	0.58	1.73	22	2
1:B:28:PHE:CD2	1:B:32:ILE:HD11	0.58	2.33	12	1
1:A:88:ALA:O	1:A:92:LEU:HG	0.58	1.98	17	2
1:B:42:VAL:HG12	1:B:50:ILE:CG2	0.58	2.29	20	1
1:B:31:ILE:O	1:B:35:THR:N	0.58	2.37	9	8
1:B:92:LEU:O	1:B:93:LYS:CB	0.58	2.51	14	4
1:B:47:PHE:O	1:B:82:GLY:HA2	0.58	1.98	6	1
1:B:47:PHE:CD2	1:B:85:LEU:HD21	0.58	2.33	12	1
1:B:47:PHE:C	1:B:82:GLY:HA3	0.58	2.18	23	1
1:A:1:MET:CB	1:B:42:VAL:HG22	0.58	2.28	11	3

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:35:THR:HG23	1:B:40:ASP:HB2	0.58	1.74	11	10
1:B:36:VAL:HG23	1:B:42:VAL:CG1	0.58	2.24	6	1
1:A:30:LYS:O	1:A:34:GLU:HG3	0.58	1.97	10	18
1:A:34:GLU:O	1:A:38:LYS:HB2	0.58	1.99	5	7
1:A:54:ALA:HB2	1:B:97:PHE:CB	0.58	2.29	1	1
1:A:7:ILE:HD13	1:A:21:VAL:CG2	0.58	2.27	18	7
1:B:85:LEU:HD22	1:B:85:LEU:N	0.58	2.12	18	1
1:A:17:THR:HG22	1:A:19:VAL:H	0.58	1.58	13	15
1:A:20:SER:OG	1:A:23:LYS:HB2	0.58	1.98	17	8
1:B:3:LYS:O	1:B:7:ILE:CG2	0.58	2.52	10	8
1:B:30:LYS:O	1:B:34:GLU:HG3	0.58	1.94	13	20
1:B:79:VAL:HG22	1:B:80:LYS:N	0.58	2.14	1	10
1:A:88:ALA:O	1:B:37:ALA:HA	0.58	1.98	4	2
1:A:77:VAL:HG11	1:B:84:SER:HB2	0.58	1.75	18	1
1:A:28:PHE:CD2	1:A:29:GLU:HG3	0.58	2.34	4	5
1:A:31:ILE:O	1:A:35:THR:CB	0.58	2.52	19	14
1:B:80:LYS:HB3	1:B:81:PRO:HD3	0.58	1.75	6	1
1:B:50:ILE:HG23	1:B:79:VAL:HB	0.58	1.74	17	1
1:B:78:SER:C	1:B:79:VAL:CG1	0.58	2.72	17	1
1:B:7:ILE:CG2	1:B:25:LEU:HD23	0.58	2.29	19	1
1:B:2:ASN:O	1:B:6:LEU:HD12	0.58	1.99	1	2
1:A:37:ALA:O	1:B:92:LEU:CB	0.58	2.52	16	11
1:A:44:LEU:HD13	1:B:28:PHE:CE2	0.58	2.34	8	1
1:A:50:ILE:HD12	1:A:79:VAL:CG2	0.58	2.28	16	1
1:A:50:ILE:HG23	1:A:79:VAL:CG2	0.58	2.29	16	1
1:B:75:VAL:HG12	1:B:77:VAL:HG23	0.58	1.74	20	1
1:B:50:ILE:HG13	1:B:79:VAL:HG23	0.58	1.76	23	1
1:A:44:LEU:CD1	1:A:48:LEU:HB2	0.58	2.27	1	8
1:B:35:THR:HG22	1:B:40:ASP:O	0.58	1.99	23	6
1:A:14:THR:HB	1:B:19:VAL:CG2	0.58	2.28	2	2
1:A:28:PHE:O	1:A:32:ILE:HG12	0.57	1.99	22	13
1:A:44:LEU:HB3	1:A:47:PHE:CE1	0.57	2.34	17	6
1:A:78:SER:C	1:A:79:VAL:HG12	0.57	2.20	7	5
1:A:29:GLU:HG3	1:B:47:PHE:CE2	0.57	2.33	5	7
1:A:37:ALA:HA	1:B:89:ALA:HA	0.57	1.76	13	3
1:A:10:ILE:HD11	1:B:28:PHE:HB2	0.57	1.77	2	1
1:A:42:VAL:HG21	1:B:6:LEU:HD21	0.57	1.74	5	3
1:A:36:VAL:HG13	1:B:88:ALA:HB1	0.57	1.74	20	1
1:A:77:VAL:CG1	1:B:84:SER:OG	0.57	2.52	2	2
1:A:77:VAL:HG11	1:B:85:LEU:CD1	0.57	2.22	10	1
1:A:20:SER:CB	1:B:16:LEU:HD11	0.57	2.29	17	5

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:52:PRO:CB	1:A:75:VAL:HG21	0.57	2.29	6	1
1:A:77:VAL:HG12	1:B:84:SER:HA	0.57	1.76	15	1
1:A:94:TYR:HA	1:B:75:VAL:CG2	0.57	2.29	7	1
1:A:77:VAL:HG21	1:B:85:LEU:HD12	0.57	1.76	9	1
1:A:85:LEU:HD23	1:B:33:THR:CA	0.57	2.29	22	2
1:B:3:LYS:HA	1:B:25:LEU:HD11	0.57	1.74	19	1
1:B:48:LEU:CB	1:B:80:LYS:HG3	0.57	2.29	20	1
1:A:14:THR:C	1:A:16:LEU:HD12	0.57	2.19	2	3
1:A:20:SER:HB3	1:B:14:THR:HG22	0.57	1.76	5	2
1:A:47:PHE:O	1:A:85:LEU:HD11	0.57	1.99	23	1
1:A:14:THR:CG2	1:B:20:SER:OG	0.57	2.53	16	7
1:A:77:VAL:HG23	1:B:85:LEU:HD22	0.57	1.76	7	1
1:A:36:VAL:HG13	1:A:52:PRO:CB	0.57	2.26	18	1
1:A:20:SER:CB	1:A:23:LYS:HB2	0.57	2.29	9	9
1:A:88:ALA:CB	1:B:37:ALA:CB	0.57	2.82	2	4
1:B:85:LEU:CB	1:B:88:ALA:HB3	0.57	2.30	4	5
1:B:28:PHE:CD1	1:B:32:ILE:HG13	0.57	2.34	23	6
1:A:28:PHE:CE1	1:A:32:ILE:CD1	0.57	2.88	9	4
1:A:47:PHE:CE1	1:A:48:LEU:HG	0.57	2.34	12	8
1:A:47:PHE:CD2	1:A:85:LEU:HD21	0.57	2.35	23	1
1:A:92:LEU:HG	1:A:93:LYS:N	0.57	2.15	7	4
1:A:92:LEU:O	1:A:92:LEU:CD1	0.57	2.48	21	8
1:A:92:LEU:N	1:A:92:LEU:CD2	0.57	2.64	17	1
1:A:83:GLU:C	1:A:85:LEU:N	0.56	2.58	17	6
1:A:28:PHE:CD1	1:A:29:GLU:N	0.56	2.73	13	7
1:A:85:LEU:N	1:A:85:LEU:HD23	0.56	2.14	9	1
1:A:36:VAL:CG2	1:B:85:LEU:HD22	0.56	2.29	10	1
1:B:51:LYS:O	1:B:78:SER:N	0.56	2.38	14	9
1:B:3:LYS:NZ	1:B:25:LEU:O	0.56	2.38	13	2
1:A:75:VAL:CG1	1:B:94:TYR:CD2	0.56	2.88	14	1
1:A:36:VAL:HG21	1:A:77:VAL:CG1	0.56	2.30	17	1
1:B:10:ILE:O	1:B:14:THR:N	0.56	2.38	21	10
1:B:14:THR:HB	1:B:16:LEU:HD12	0.56	1.75	17	7
1:B:50:ILE:N	1:B:79:VAL:HG11	0.56	2.15	19	3
1:A:77:VAL:HG21	1:B:85:LEU:HD22	0.56	1.77	22	3
1:A:7:ILE:HD13	1:A:21:VAL:HG23	0.56	1.76	18	6
1:B:53:VAL:HG22	1:B:76:GLY:HA3	0.56	1.75	5	3
1:A:29:GLU:HG3	1:B:47:PHE:CE1	0.56	2.36	6	3
1:A:77:VAL:HG21	1:B:84:SER:C	0.56	2.20	6	1
1:B:51:LYS:N	1:B:79:VAL:CG1	0.56	2.69	2	3
1:B:14:THR:CG2	1:B:16:LEU:HD11	0.56	2.30	8	5

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:27:SER:O	1:A:31:ILE:HG13	0.56	2.00	21	8
1:A:75:VAL:CG1	1:B:89:ALA:HB2	0.56	2.30	6	1
1:A:7:ILE:CG2	1:A:21:VAL:HB	0.56	2.25	9	1
1:A:79:VAL:HG12	1:A:80:LYS:N	0.56	2.16	16	3
1:A:77:VAL:HG13	1:B:85:LEU:HD21	0.56	1.77	23	1
1:A:21:VAL:HA	1:A:24:MET:SD	0.56	2.40	18	9
1:A:28:PHE:CE1	1:A:32:ILE:HD11	0.56	2.36	9	4
1:A:79:VAL:HG22	1:A:80:LYS:N	0.56	2.15	11	14
1:A:28:PHE:CA	1:B:10:ILE:HD11	0.56	2.30	13	3
1:B:44:LEU:CD1	1:B:48:LEU:HD12	0.56	2.30	20	2
1:A:1:MET:HE1	1:B:31:ILE:HD13	0.56	1.77	6	1
1:A:3:LYS:CE	1:A:29:GLU:HB2	0.56	2.30	9	5
1:B:7:ILE:CG2	1:B:25:LEU:HD12	0.56	2.31	12	1
1:B:21:VAL:O	1:B:25:LEU:HB3	0.56	2.01	18	1
1:A:19:VAL:CG2	1:B:14:THR:HB	0.56	2.30	2	9
1:A:24:MET:O	1:A:28:PHE:N	0.56	2.38	10	11
1:B:35:THR:O	1:B:38:LYS:N	0.56	2.38	17	9
1:A:86:LYS:HG3	1:B:77:VAL:HG23	0.56	1.78	6	2
1:A:75:VAL:HG11	1:B:89:ALA:HB1	0.56	1.76	8	3
1:B:14:THR:HG22	1:B:16:LEU:HG	0.56	1.76	19	1
1:A:75:VAL:N	1:B:89:ALA:HB1	0.56	2.15	2	2
1:A:34:GLU:O	1:A:38:LYS:HG2	0.56	2.01	21	2
1:A:47:PHE:CD1	1:A:85:LEU:HD23	0.56	2.36	8	1
1:A:92:LEU:HD11	1:B:75:VAL:CG2	0.56	2.31	8	1
1:A:90:GLU:HA	1:A:94:TYR:CD1	0.56	2.35	11	1
1:B:53:VAL:HG13	1:B:78:SER:OG	0.56	2.01	19	1
1:A:6:LEU:HD23	1:B:31:ILE:HD12	0.56	1.78	4	2
1:B:47:PHE:CG	1:B:85:LEU:HD21	0.56	2.35	4	1
1:A:51:LYS:CG	1:A:78:SER:CB	0.56	2.83	6	1
1:A:53:VAL:CG2	1:A:76:GLY:HA3	0.56	2.31	23	2
1:A:88:ALA:HB1	1:B:33:THR:O	0.56	2.01	9	1
1:A:28:PHE:CZ	1:A:32:ILE:HD11	0.56	2.35	15	1
1:A:77:VAL:HG12	1:B:84:SER:C	0.56	2.21	15	1
1:A:19:VAL:HG22	1:B:14:THR:HG21	0.56	1.77	19	1
1:A:3:LYS:O	1:A:7:ILE:HG13	0.56	2.01	9	4
1:A:75:VAL:HG12	1:B:94:TYR:CE2	0.56	2.36	14	1
1:A:7:ILE:CD1	1:A:21:VAL:O	0.55	2.54	15	8
1:A:47:PHE:CE1	1:B:32:ILE:CG2	0.55	2.85	12	12
1:A:36:VAL:CG2	1:B:85:LEU:HD21	0.55	2.31	7	1
1:A:17:THR:CG2	1:B:17:THR:HG21	0.55	2.32	12	15
1:A:29:GLU:HG2	1:B:47:PHE:CE2	0.55	2.36	14	6

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:44:LEU:HB3	1:B:47:PHE:CE1	0.55	2.36	23	5
1:A:33:THR:HA	1:B:85:LEU:HD12	0.55	1.76	8	2
1:A:28:PHE:CB	1:B:10:ILE:HD11	0.55	2.31	2	1
1:A:77:VAL:O	1:A:77:VAL:HG22	0.55	2.01	5	9
1:A:92:LEU:O	1:A:93:LYS:HB3	0.55	1.99	6	2
1:B:3:LYS:HA	1:B:25:LEU:HD13	0.55	1.76	6	1
1:B:49:ASN:CB	1:B:81:PRO:CG	0.55	2.84	6	1
1:B:50:ILE:N	1:B:50:ILE:HD13	0.55	2.16	13	1
1:A:85:LEU:HD22	1:B:77:VAL:HG21	0.55	1.77	15	2
1:B:47:PHE:CD1	1:B:85:LEU:HD11	0.55	2.36	15	1
1:B:1:MET:HA	1:B:5:GLU:CB	0.55	2.30	8	11
1:B:20:SER:CB	1:B:23:LYS:HB2	0.55	2.31	20	10
1:B:25:LEU:HA	1:B:28:PHE:HB3	0.55	1.78	5	14
1:A:34:GLU:HA	1:A:37:ALA:HB3	0.55	1.79	14	2
1:A:85:LEU:HG	1:B:33:THR:HA	0.55	1.77	17	5
1:A:92:LEU:HB3	1:B:36:VAL:O	0.55	2.01	13	1
1:A:18:GLN:O	1:A:21:VAL:HG22	0.55	2.01	21	1
1:B:42:VAL:HG22	1:B:50:ILE:HG13	0.55	1.77	21	1
1:A:37:ALA:CA	1:B:92:LEU:HB3	0.55	2.30	4	12
1:A:28:PHE:CE2	1:A:32:ILE:CD1	0.55	2.90	8	10
1:A:51:LYS:O	1:A:51:LYS:HG3	0.55	2.01	9	7
1:B:92:LEU:O	1:B:92:LEU:CD1	0.55	2.55	10	8
1:B:49:ASN:N	1:B:80:LYS:HA	0.55	2.16	9	2
1:A:16:LEU:HD13	1:B:19:VAL:C	0.55	2.22	20	1
1:A:16:LEU:CD1	1:B:19:VAL:CG2	0.55	2.76	11	4
1:B:7:ILE:HD11	1:B:25:LEU:HD23	0.55	1.78	20	2
1:A:42:VAL:HG13	1:A:50:ILE:CB	0.55	2.27	8	1
1:A:50:ILE:CA	1:A:79:VAL:HB	0.55	2.31	9	3
1:A:89:ALA:HA	1:B:37:ALA:HA	0.55	1.77	20	3
1:B:10:ILE:HG21	1:B:24:MET:HE1	0.55	1.79	14	1
1:A:50:ILE:N	1:A:50:ILE:HD12	0.55	2.16	15	1
1:A:77:VAL:HG11	1:B:84:SER:CA	0.55	2.31	18	1
1:B:36:VAL:HG22	1:B:52:PRO:HB3	0.55	1.78	21	1
1:A:92:LEU:N	1:B:37:ALA:HA	0.55	2.17	4	2
1:A:36:VAL:HG21	1:B:85:LEU:HD21	0.55	1.78	7	1
1:A:49:ASN:CB	1:A:81:PRO:CG	0.55	2.85	17	1
1:A:53:VAL:O	1:A:53:VAL:HG23	0.55	2.01	11	18
1:A:14:THR:CA	1:A:16:LEU:HD12	0.55	2.32	7	2
1:B:11:ALA:HA	1:B:14:THR:OG1	0.55	2.02	23	9
1:A:37:ALA:HB2	1:B:88:ALA:C	0.55	2.22	19	7
1:B:25:LEU:CG	1:B:26:ALA:N	0.55	2.70	6	5

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:36:VAL:HG13	1:A:52:PRO:HG3	0.55	1.78	9	1
1:B:7:ILE:HD11	1:B:21:VAL:C	0.55	2.22	9	1
1:A:3:LYS:HE3	1:A:29:GLU:HB2	0.55	1.78	15	1
1:B:50:ILE:HA	1:B:79:VAL:HA	0.55	1.78	23	1
1:A:6:LEU:CD1	1:B:42:VAL:HG13	0.55	2.31	1	1
1:A:47:PHE:CD1	1:A:48:LEU:HG	0.55	2.36	20	12
1:A:45:THR:CG2	1:A:47:PHE:CE2	0.55	2.89	8	4
1:A:85:LEU:HB3	1:B:33:THR:OG1	0.55	2.02	19	1
1:B:3:LYS:NZ	1:B:29:GLU:HB2	0.55	2.17	23	1
1:B:51:LYS:N	1:B:79:VAL:HG11	0.54	2.17	2	3
1:A:28:PHE:CD1	1:A:29:GLU:HG3	0.54	2.37	11	3
1:A:77:VAL:HG21	1:B:85:LEU:HD21	0.54	1.77	14	2
1:A:92:LEU:HD12	1:B:37:ALA:HA	0.54	1.78	14	1
1:A:89:ALA:HB2	1:B:75:VAL:HG11	0.54	1.79	15	1
1:B:28:PHE:HA	1:B:31:ILE:HD12	0.54	1.79	18	1
1:A:27:SER:O	1:A:31:ILE:CG1	0.54	2.56	9	16
1:B:47:PHE:CD1	1:B:48:LEU:N	0.54	2.75	3	5
1:B:34:GLU:O	1:B:38:LYS:CB	0.54	2.55	14	4
1:B:77:VAL:O	1:B:77:VAL:CG1	0.54	2.51	17	2
1:B:90:GLU:HA	1:B:94:TYR:CB	0.54	2.32	13	1
1:B:42:VAL:CG2	1:B:50:ILE:HD11	0.54	2.31	14	2
1:A:31:ILE:HA	1:A:34:GLU:CB	0.54	2.32	15	1
1:A:3:LYS:O	1:A:7:ILE:CG2	0.54	2.55	5	14
1:A:75:VAL:CG1	1:B:89:ALA:CB	0.54	2.78	23	7
1:A:77:VAL:CG1	1:A:79:VAL:HG12	0.54	2.32	6	1
1:A:24:MET:HB3	1:B:14:THR:HG23	0.54	1.78	14	4
1:B:44:LEU:HD13	1:B:47:PHE:CZ	0.54	2.37	23	4
1:B:47:PHE:HB2	1:B:85:LEU:HD23	0.54	1.79	2	1
1:A:28:PHE:CE2	1:B:44:LEU:HD22	0.54	2.38	23	3
1:A:7:ILE:HG13	1:A:25:LEU:CD1	0.54	2.32	15	2
1:B:35:THR:HG23	1:B:40:ASP:HB3	0.54	1.78	11	5
1:B:7:ILE:CD1	1:B:21:VAL:O	0.54	2.56	23	13
1:A:28:PHE:O	1:A:32:ILE:N	0.54	2.37	8	14
1:B:85:LEU:O	1:B:88:ALA:CA	0.54	2.53	6	2
1:A:75:VAL:N	1:B:94:TYR:CE1	0.54	2.75	9	3
1:A:33:THR:HA	1:B:85:LEU:CG	0.54	2.32	18	1
1:A:75:VAL:HG22	1:A:76:GLY:H	0.54	1.63	18	1
1:A:92:LEU:CD2	1:B:75:VAL:HG11	0.54	2.33	1	1
1:B:85:LEU:HD23	1:B:85:LEU:H	0.54	1.61	2	1
1:A:15:GLY:O	1:A:16:LEU:C	0.54	2.45	11	3
1:A:14:THR:HG21	1:B:19:VAL:HG22	0.54	1.79	15	3

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:16:LEU:CD1	1:B:16:LEU:N	0.54	2.70	12	5
1:A:20:SER:OG	1:B:14:THR:CG2	0.54	2.56	13	4
1:A:75:VAL:N	1:B:94:TYR:CD1	0.54	2.76	22	9
1:B:83:GLU:O	1:B:87:LYS:N	0.54	2.40	19	4
1:A:77:VAL:HG11	1:B:84:SER:HA	0.54	1.80	18	2
1:B:3:LYS:CE	1:B:29:GLU:HB2	0.54	2.33	23	4
1:A:24:MET:CB	1:B:10:ILE:HG23	0.54	2.32	14	1
1:B:49:ASN:H	1:B:80:LYS:CA	0.54	2.15	20	2
1:A:16:LEU:HD11	1:B:20:SER:HB2	0.54	1.79	2	2
1:B:83:GLU:C	1:B:85:LEU:N	0.54	2.61	17	8
1:A:42:VAL:HB	1:A:50:ILE:CG1	0.54	2.33	10	4
1:A:10:ILE:O	1:A:14:THR:N	0.54	2.37	7	4
1:A:29:GLU:HB3	1:B:45:THR:CG2	0.54	2.32	8	5
1:B:45:THR:HG23	1:B:47:PHE:CD2	0.54	2.37	15	7
1:A:7:ILE:HB	1:A:21:VAL:C	0.54	2.23	4	8
1:A:77:VAL:O	1:A:77:VAL:CG1	0.54	2.55	4	2
1:A:16:LEU:CD1	1:A:16:LEU:N	0.54	2.71	5	2
1:A:8:LYS:CE	1:A:8:LYS:N	0.54	2.70	9	1
1:B:48:LEU:HD12	1:B:49:ASN:H	0.54	1.63	23	1
1:A:14:THR:CB	1:A:16:LEU:HD12	0.54	2.33	1	2
1:A:44:LEU:O	1:A:45:THR:C	0.54	2.44	23	21
1:B:27:SER:O	1:B:31:ILE:HG13	0.54	2.02	17	10
1:B:90:GLU:HA	1:B:94:TYR:HB2	0.54	1.78	14	2
1:B:28:PHE:CE1	1:B:32:ILE:HD11	0.54	2.38	8	3
1:A:75:VAL:HB	1:B:94:TYR:HB2	0.54	1.80	8	5
1:B:50:ILE:N	1:B:80:LYS:HD3	0.54	2.18	20	2
1:B:92:LEU:N	1:B:92:LEU:CD2	0.54	2.70	13	2
1:A:33:THR:HA	1:B:85:LEU:HD22	0.54	1.79	4	1
1:A:84:SER:O	1:A:88:ALA:HB2	0.54	2.03	15	1
1:B:5:GLU:O	1:B:8:LYS:HG3	0.54	2.03	21	2
1:B:44:LEU:O	1:B:45:THR:C	0.53	2.46	15	17
1:B:7:ILE:CG1	1:B:21:VAL:O	0.53	2.56	9	11
1:B:7:ILE:HD11	1:B:22:SER:HA	0.53	1.80	3	4
1:A:17:THR:HG22	1:A:19:VAL:N	0.53	2.17	17	11
1:B:47:PHE:CD1	1:B:48:LEU:HG	0.53	2.38	5	7
1:A:85:LEU:HD21	1:B:32:ILE:HG22	0.53	1.80	8	1
1:A:19:VAL:CG1	1:B:19:VAL:CG1	0.53	2.85	2	16
1:A:37:ALA:C	1:B:92:LEU:HD12	0.53	2.24	13	3
1:B:20:SER:OG	1:B:23:LYS:HB2	0.53	2.02	13	4
1:A:20:SER:HB3	1:A:24:MET:N	0.53	2.18	15	3
1:A:85:LEU:HD13	1:B:36:VAL:HG21	0.53	1.81	4	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:21:VAL:HA	1:A:24:MET:HE2	0.53	1.79	15	2
1:A:92:LEU:HD21	1:B:38:LYS:O	0.53	2.03	14	1
1:A:78:SER:C	1:A:79:VAL:HG22	0.53	2.23	23	1
1:A:44:LEU:CB	1:A:47:PHE:CE1	0.53	2.91	11	4
1:B:17:THR:HG22	1:B:19:VAL:H	0.53	1.64	4	18
1:A:75:VAL:HG13	1:A:76:GLY:N	0.53	2.18	20	5
1:A:42:VAL:HG23	1:A:50:ILE:CD1	0.53	2.32	9	1
1:B:48:LEU:C	1:B:80:LYS:HD2	0.53	2.24	15	2
1:A:75:VAL:CG1	1:B:94:TYR:CE2	0.53	2.91	14	1
1:A:7:ILE:CG1	1:A:21:VAL:O	0.53	2.57	17	4
1:A:33:THR:O	1:B:88:ALA:CB	0.53	2.56	6	5
1:A:37:ALA:HB2	1:B:88:ALA:CA	0.53	2.33	6	5
1:B:53:VAL:O	1:B:53:VAL:HG23	0.53	2.03	18	14
1:A:19:VAL:CG2	1:B:16:LEU:CD1	0.53	2.80	4	6
1:B:53:VAL:CG2	1:B:76:GLY:HA3	0.53	2.33	5	3
1:B:49:ASN:C	1:B:80:LYS:HA	0.53	2.24	20	3
1:A:7:ILE:HD11	1:A:21:VAL:O	0.53	2.04	20	3
1:B:78:SER:O	1:B:79:VAL:HG12	0.53	2.03	17	1
1:A:42:VAL:HG22	1:B:6:LEU:HD11	0.53	1.81	23	1
1:A:28:PHE:HA	1:A:31:ILE:HG12	0.53	1.80	15	6
1:A:85:LEU:C	1:A:88:ALA:H	0.53	2.06	4	2
1:B:45:THR:CG2	1:B:47:PHE:CD1	0.53	2.91	8	2
1:A:28:PHE:CE2	1:B:44:LEU:HD13	0.53	2.38	20	2
1:B:7:ILE:HG22	1:B:25:LEU:CD1	0.53	2.34	1	1
1:A:48:LEU:CD2	1:A:80:LYS:O	0.53	2.57	21	3
1:A:32:ILE:CG2	1:B:47:PHE:CE1	0.53	2.92	21	10
1:A:76:GLY:O	1:A:77:VAL:C	0.53	2.46	6	2
1:A:31:ILE:HG21	1:B:13:ASP:OD2	0.53	2.04	19	3
1:B:27:SER:HA	1:B:30:LYS:HB3	0.53	1.80	9	4
1:A:92:LEU:HB3	1:B:37:ALA:CA	0.53	2.34	9	1
1:B:28:PHE:CD2	1:B:32:ILE:HG13	0.53	2.39	14	2
1:B:93:LYS:CG	1:B:93:LYS:O	0.53	2.57	14	1
1:B:25:LEU:HD12	1:B:25:LEU:O	0.53	2.04	23	3
1:A:79:VAL:HG12	1:B:81:PRO:HG3	0.53	1.79	20	1
1:A:47:PHE:CE1	1:B:29:GLU:HG3	0.53	2.38	17	3
1:A:44:LEU:CD1	1:A:47:PHE:CZ	0.53	2.92	9	3
1:B:49:ASN:O	1:B:79:VAL:HA	0.53	2.04	4	3
1:B:28:PHE:CE1	1:B:32:ILE:CD1	0.53	2.91	6	4
1:A:92:LEU:HD11	1:B:75:VAL:HG21	0.53	1.80	8	1
1:A:44:LEU:HB3	1:A:47:PHE:HE1	0.53	1.64	23	2
1:A:75:VAL:CB	1:B:92:LEU:HD21	0.53	2.34	19	2

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:7:ILE:HG21	1:B:25:LEU:CD2	0.53	2.30	18	1
1:A:35:THR:O	1:A:38:LYS:N	0.53	2.42	7	17
1:A:47:PHE:CE2	1:B:29:GLU:HG2	0.53	2.39	21	6
1:A:51:LYS:HG3	1:A:78:SER:CB	0.53	2.34	6	2
1:A:79:VAL:CG1	1:A:80:LYS:N	0.53	2.71	14	3
1:A:77:VAL:HG12	1:B:84:SER:CA	0.53	2.34	15	1
1:B:36:VAL:HG11	1:B:77:VAL:HB	0.53	1.78	18	1
1:A:20:SER:OG	1:A:23:LYS:CB	0.53	2.57	20	7
1:A:29:GLU:HG3	1:B:45:THR:HG21	0.53	1.80	20	6
1:A:14:THR:HG22	1:A:16:LEU:HD12	0.53	1.75	6	1
1:A:10:ILE:HG23	1:B:24:MET:HB3	0.53	1.80	16	3
1:A:35:THR:CG2	1:A:42:VAL:HG13	0.53	2.34	15	1
1:A:75:VAL:HB	1:B:92:LEU:HD21	0.53	1.81	17	2
1:A:86:LYS:HA	1:A:89:ALA:HB3	0.53	1.80	19	1
1:A:14:THR:HB	1:A:16:LEU:CD1	0.53	2.34	20	2
1:A:42:VAL:HG13	1:B:6:LEU:CD1	0.53	2.23	3	2
1:A:36:VAL:HB	1:B:85:LEU:HD21	0.53	1.78	5	2
1:A:19:VAL:CA	1:B:16:LEU:HD11	0.53	2.34	16	1
1:B:17:THR:HG22	1:B:19:VAL:N	0.52	2.19	4	17
1:B:45:THR:CG2	1:B:47:PHE:CE2	0.52	2.93	11	4
1:A:84:SER:O	1:B:77:VAL:HG11	0.52	2.03	4	2
1:A:45:THR:CG2	1:A:47:PHE:CD1	0.52	2.92	11	1
1:A:89:ALA:HB2	1:B:36:VAL:HG13	0.52	1.80	11	1
1:A:77:VAL:HG11	1:B:85:LEU:HD22	0.52	1.81	17	1
1:A:31:ILE:HA	1:A:34:GLU:HB2	0.52	1.80	23	2
1:A:50:ILE:CG2	1:A:79:VAL:HG12	0.52	2.33	23	1
1:B:95:GLU:C	1:B:97:PHE:N	0.52	2.61	5	1
1:A:42:VAL:HG23	1:A:42:VAL:O	0.52	2.05	15	1
1:A:79:VAL:HG11	1:B:79:VAL:HB	0.52	1.80	15	1
1:B:3:LYS:CE	1:B:28:PHE:CD1	0.52	2.92	23	1
1:A:92:LEU:O	1:A:93:LYS:HG2	0.52	2.04	1	1
1:A:20:SER:C	1:A:24:MET:HG3	0.52	2.25	21	11
1:A:33:THR:HG23	1:B:88:ALA:HB2	0.52	1.79	17	5
1:B:26:ALA:O	1:B:30:LYS:HB2	0.52	2.04	9	2
1:A:48:LEU:CD2	1:B:50:ILE:HD11	0.52	2.35	7	2
1:B:2:ASN:O	1:B:6:LEU:N	0.52	2.34	23	1
1:A:28:PHE:O	1:A:32:ILE:HG13	0.52	2.04	8	4
1:A:33:THR:OG1	1:B:88:ALA:HB2	0.52	2.05	9	1
1:A:31:ILE:HA	1:A:34:GLU:HB3	0.52	1.81	15	1
1:B:50:ILE:N	1:B:80:LYS:CD	0.52	2.72	20	1
1:B:44:LEU:CB	1:B:47:PHE:CE1	0.52	2.92	23	4

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:20:SER:O	1:A:24:MET:HG3	0.52	2.05	10	6
1:B:54:ALA:CA	1:B:75:VAL:N	0.52	2.71	10	2
1:A:9:ALA:HB1	1:B:31:ILE:CD1	0.52	2.33	9	1
1:A:50:ILE:CG1	1:A:79:VAL:HG12	0.52	2.35	17	1
1:B:94:TYR:CD1	1:B:95:GLU:N	0.52	2.78	11	4
1:B:7:ILE:CG2	1:B:8:LYS:N	0.52	2.72	9	8
1:B:23:LYS:HA	1:B:26:ALA:HB3	0.52	1.80	7	2
1:A:27:SER:O	1:A:31:ILE:CG2	0.52	2.56	9	1
1:A:44:LEU:HD12	1:A:47:PHE:CZ	0.52	2.39	9	1
1:A:16:LEU:CD1	1:B:20:SER:CB	0.52	2.87	2	4
1:A:32:ILE:CG2	1:B:47:PHE:CE2	0.52	2.93	23	7
1:B:45:THR:CG2	1:B:47:PHE:CD2	0.52	2.93	11	6
1:A:47:PHE:CD2	1:B:29:GLU:CG	0.52	2.91	7	3
1:A:85:LEU:HD13	1:B:33:THR:HA	0.52	1.81	9	2
1:A:77:VAL:HG11	1:B:84:SER:C	0.52	2.25	20	1
1:B:34:GLU:HG3	1:B:35:THR:N	0.52	2.19	23	1
1:B:48:LEU:HD12	1:B:49:ASN:N	0.52	2.20	23	1
1:A:89:ALA:HB3	1:B:75:VAL:CG1	0.52	2.30	3	1
1:A:20:SER:CB	1:B:14:THR:HG21	0.52	2.33	4	1
1:A:28:PHE:CE1	1:B:44:LEU:CD2	0.52	2.92	15	4
1:A:80:LYS:HB2	1:A:81:PRO:HD2	0.52	1.80	8	2
1:B:47:PHE:CE1	1:B:85:LEU:HD21	0.52	2.40	9	1
1:B:49:ASN:H	1:B:80:LYS:C	0.52	2.07	20	2
1:A:1:MET:HB2	1:B:42:VAL:HG22	0.52	1.80	1	1
1:A:36:VAL:CG2	1:A:50:ILE:HG22	0.52	2.35	1	1
1:B:17:THR:O	1:B:17:THR:HG23	0.52	2.05	11	14
1:B:28:PHE:HA	1:B:31:ILE:HD11	0.52	1.81	5	7
1:B:28:PHE:CE2	1:B:29:GLU:HG3	0.52	2.40	21	8
1:A:85:LEU:HD21	1:B:36:VAL:HB	0.52	1.79	7	3
1:A:10:ILE:CG2	1:B:24:MET:HG2	0.52	2.35	21	2
1:A:50:ILE:HG13	1:A:79:VAL:HG22	0.52	1.81	14	2
1:A:85:LEU:O	1:B:37:ALA:HB2	0.52	2.05	14	1
1:B:50:ILE:HG22	1:B:79:VAL:HG21	0.52	1.82	21	2
1:A:75:VAL:CA	1:B:94:TYR:CD1	0.52	2.93	23	2
1:A:92:LEU:HD12	1:A:93:LYS:N	0.52	2.20	3	3
1:B:24:MET:HE3	1:B:25:LEU:CD2	0.52	2.34	16	6
1:B:42:VAL:HB	1:B:50:ILE:HB	0.52	1.81	11	2
1:A:25:LEU:CG	1:A:26:ALA:N	0.52	2.72	19	5
1:A:19:VAL:HA	1:B:16:LEU:HD11	0.52	1.82	16	1
1:B:47:PHE:CE2	1:B:48:LEU:HB3	0.52	2.39	23	1
1:B:53:VAL:HG23	1:B:53:VAL:O	0.51	2.05	22	4

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:50:ILE:CA	1:B:79:VAL:HG11	0.51	2.34	19	3
1:A:50:ILE:HG22	1:A:79:VAL:CB	0.51	2.34	6	2
1:A:52:PRO:HB2	1:A:75:VAL:CG1	0.51	2.34	15	2
1:A:8:LYS:CE	1:A:8:LYS:CA	0.51	2.88	9	1
1:A:16:LEU:CD1	1:A:16:LEU:H	0.51	2.17	17	3
1:B:50:ILE:HD12	1:B:79:VAL:HG22	0.51	1.82	13	1
1:A:7:ILE:HD12	1:A:21:VAL:C	0.51	2.25	16	1
1:A:44:LEU:HB2	1:A:48:LEU:HB2	0.51	1.82	5	10
1:B:44:LEU:CB	1:B:47:PHE:HE1	0.51	2.19	3	1
1:A:77:VAL:HG12	1:B:86:LYS:HG3	0.51	1.81	7	3
1:A:33:THR:HA	1:B:85:LEU:CD2	0.51	2.36	10	1
1:A:75:VAL:HG21	1:B:94:TYR:HA	0.51	1.81	14	1
1:B:3:LYS:NZ	1:B:28:PHE:CD1	0.51	2.78	20	1
1:B:3:LYS:CB	1:B:25:LEU:HD13	0.51	2.34	23	1
1:B:48:LEU:CD1	1:B:80:LYS:HB3	0.51	2.34	9	2
1:B:31:ILE:HA	1:B:34:GLU:HB2	0.51	1.80	22	3
1:A:77:VAL:HG11	1:B:81:PRO:HB2	0.51	1.81	19	1
1:A:35:THR:CG2	1:A:40:ASP:CB	0.51	2.89	9	9
1:B:28:PHE:O	1:B:32:ILE:N	0.51	2.35	10	17
1:A:53:VAL:O	1:A:75:VAL:CG2	0.51	2.56	6	2
1:A:94:TYR:HE1	1:B:75:VAL:O	0.51	1.89	8	1
1:B:50:ILE:HD13	1:B:79:VAL:CB	0.51	2.32	8	1
1:A:6:LEU:HD11	1:B:42:VAL:HG11	0.51	1.81	9	2
1:B:52:PRO:O	1:B:53:VAL:HG13	0.51	2.05	10	1
1:A:36:VAL:CG1	1:A:77:VAL:HG23	0.51	2.14	13	1
1:A:80:LYS:HB3	1:A:81:PRO:HD3	0.51	1.82	17	2
1:B:47:PHE:HD1	1:B:85:LEU:HD12	0.51	1.66	5	1
1:A:36:VAL:HG23	1:A:37:ALA:N	0.51	2.21	7	2
1:A:51:LYS:O	1:A:51:LYS:CG	0.51	2.58	9	1
1:A:81:PRO:HG3	1:B:79:VAL:HG12	0.51	1.83	9	1
1:A:53:VAL:C	1:A:75:VAL:HA	0.51	2.26	15	2
1:B:76:GLY:O	1:B:77:VAL:C	0.51	2.47	15	1
1:A:94:TYR:HB2	1:B:75:VAL:HB	0.51	1.82	16	1
1:B:44:LEU:HB2	1:B:48:LEU:HB2	0.51	1.81	17	6
1:A:16:LEU:CD1	1:B:20:SER:HB3	0.51	2.36	2	2
1:A:20:SER:HB3	1:B:16:LEU:HD11	0.51	1.83	2	1
1:A:24:MET:HB3	1:B:14:THR:CG2	0.51	2.35	14	6
1:A:37:ALA:C	1:B:92:LEU:HB3	0.51	2.25	19	8
1:A:47:PHE:CE2	1:A:48:LEU:HG	0.51	2.41	11	3
1:B:24:MET:CE	1:B:25:LEU:HG	0.51	2.35	22	8
1:B:32:ILE:HD13	1:B:42:VAL:CG2	0.51	2.33	3	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:49:ASN:HB2	1:B:81:PRO:CG	0.51	2.36	6	1
1:A:37:ALA:O	1:B:92:LEU:HA	0.51	2.05	17	5
1:A:29:GLU:CG	1:B:47:PHE:CD1	0.51	2.94	10	2
1:A:37:ALA:HA	1:B:92:LEU:CB	0.51	2.35	17	2
1:A:22:SER:O	1:A:25:LEU:HG	0.51	2.05	13	1
1:A:36:VAL:N	1:A:40:ASP:HB2	0.51	2.20	20	1
1:B:25:LEU:HD12	1:B:26:ALA:N	0.51	2.18	20	2
1:A:32:ILE:CG2	1:B:47:PHE:CZ	0.51	2.93	2	7
1:B:5:GLU:HA	1:B:8:LYS:HE2	0.51	1.82	8	6
1:A:33:THR:HA	1:B:85:LEU:CD1	0.51	2.36	14	2
1:B:28:PHE:CE2	1:B:32:ILE:CD1	0.51	2.94	18	9
1:A:47:PHE:CE1	1:A:48:LEU:CB	0.51	2.94	7	1
1:A:16:LEU:CD2	1:B:20:SER:HB3	0.51	2.36	23	3
1:A:50:ILE:HG23	1:A:77:VAL:HG22	0.51	1.81	15	1
1:A:47:PHE:HA	1:A:82:GLY:CA	0.51	2.36	2	3
1:A:42:VAL:HG23	1:B:6:LEU:CD1	0.51	2.34	5	1
1:A:42:VAL:HG23	1:B:1:MET:HB3	0.51	1.80	8	1
1:A:42:VAL:HG23	1:B:1:MET:HG3	0.51	1.81	16	2
1:A:1:MET:CE	1:A:6:LEU:HD23	0.51	2.35	16	5
1:B:85:LEU:C	1:B:88:ALA:H	0.51	2.09	15	7
1:A:28:PHE:CE1	1:A:29:GLU:HG3	0.51	2.41	8	2
1:A:37:ALA:CB	1:B:88:ALA:CB	0.51	2.88	18	4
1:A:51:LYS:HG3	1:A:51:LYS:O	0.51	2.06	6	2
1:A:29:GLU:O	1:A:33:THR:OG1	0.51	2.29	10	2
1:A:50:ILE:HD13	1:A:79:VAL:HG13	0.51	1.83	16	1
1:B:94:TYR:CE1	1:B:95:GLU:CG	0.51	2.94	20	1
1:A:11:ALA:HA	1:A:14:THR:OG1	0.51	2.06	1	4
1:A:84:SER:HB2	1:B:77:VAL:HG12	0.51	1.81	2	1
1:A:77:VAL:HG12	1:B:86:LYS:CD	0.51	2.36	13	2
1:B:7:ILE:HD13	1:B:21:VAL:HG23	0.51	1.82	8	3
1:A:36:VAL:CG1	1:B:85:LEU:HD23	0.51	2.30	18	1
1:A:5:GLU:HA	1:A:8:LYS:HE2	0.50	1.83	10	7
1:A:51:LYS:O	1:A:78:SER:N	0.50	2.44	19	7
1:B:24:MET:O	1:B:28:PHE:N	0.50	2.44	8	6
1:B:26:ALA:O	1:B:30:LYS:CB	0.50	2.59	6	3
1:A:49:ASN:HB2	1:A:81:PRO:HG2	0.50	1.82	4	2
1:A:45:THR:CG2	1:A:47:PHE:CD2	0.50	2.94	8	4
1:A:7:ILE:CG2	1:A:25:LEU:HD22	0.50	2.36	19	1
1:A:37:ALA:HA	1:B:89:ALA:CA	0.50	2.37	13	2
1:B:36:VAL:HG22	1:B:51:LYS:HA	0.50	1.82	2	1
1:B:44:LEU:HB3	1:B:47:PHE:HE1	0.50	1.66	3	3

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:82:GLY:O	1:A:84:SER:N	0.50	2.45	17	3
1:A:94:TYR:CE1	1:B:75:VAL:CA	0.50	2.93	6	1
1:B:7:ILE:CA	1:B:25:LEU:HD12	0.50	2.35	21	3
1:A:29:GLU:O	1:A:33:THR:N	0.50	2.43	10	2
1:A:84:SER:HA	1:B:77:VAL:CB	0.50	2.37	17	1
1:A:22:SER:O	1:A:26:ALA:CB	0.50	2.59	11	13
1:A:28:PHE:C	1:A:31:ILE:HG13	0.50	2.26	3	13
1:B:49:ASN:O	1:B:79:VAL:CB	0.50	2.59	1	1
1:A:85:LEU:N	1:A:85:LEU:CD2	0.50	2.60	17	3
1:A:92:LEU:HG	1:B:37:ALA:HA	0.50	1.82	4	1
1:A:44:LEU:HB3	1:A:47:PHE:CE2	0.50	2.42	13	4
1:A:85:LEU:CD2	1:B:36:VAL:CG1	0.50	2.89	5	2
1:B:49:ASN:H	1:B:80:LYS:HA	0.50	1.66	20	3
1:B:35:THR:CG2	1:B:42:VAL:HG23	0.50	2.37	18	1
1:B:36:VAL:HG13	1:B:37:ALA:N	0.50	2.21	20	1
1:A:14:THR:CG2	1:A:16:LEU:HD13	0.50	2.32	21	1
1:A:1:MET:HA	1:A:5:GLU:CB	0.50	2.36	1	13
1:A:10:ILE:CA	1:A:14:THR:OG1	0.50	2.60	18	9
1:A:29:GLU:CG	1:B:47:PHE:CE1	0.50	2.95	3	4
1:A:20:SER:O	1:A:24:MET:N	0.50	2.39	15	6
1:B:94:TYR:CD1	1:B:96:ASP:OD1	0.50	2.64	5	1
1:A:17:THR:HG23	1:A:17:THR:O	0.50	2.06	19	6
1:A:94:TYR:CE1	1:B:75:VAL:HB	0.50	2.41	11	1
1:A:23:LYS:O	1:A:27:SER:CB	0.50	2.60	1	12
1:B:31:ILE:O	1:B:35:THR:HB	0.50	2.06	4	6
1:A:44:LEU:HD22	1:B:28:PHE:HE2	0.50	1.67	22	4
1:A:29:GLU:HG2	1:A:33:THR:OG1	0.50	2.06	10	2
1:A:50:ILE:HG12	1:A:79:VAL:HG12	0.50	1.83	17	1
1:B:47:PHE:CE1	1:B:48:LEU:HB2	0.50	2.42	11	3
1:A:85:LEU:HB2	1:B:77:VAL:CG2	0.50	2.37	4	1
1:B:48:LEU:CD2	1:B:82:GLY:HA2	0.50	2.37	6	1
1:B:28:PHE:CD1	1:B:28:PHE:C	0.50	2.84	23	4
1:A:85:LEU:CD1	1:B:36:VAL:HB	0.50	2.37	8	1
1:B:6:LEU:CB	1:B:25:LEU:HD11	0.50	2.36	12	1
1:A:36:VAL:HG22	1:A:52:PRO:CB	0.50	2.37	16	1
1:A:44:LEU:HD13	1:A:47:PHE:CZ	0.50	2.41	10	4
1:B:44:LEU:CD1	1:B:47:PHE:CZ	0.50	2.95	6	3
1:A:92:LEU:O	1:A:93:LYS:HB2	0.50	2.06	10	6
1:A:50:ILE:CB	1:A:79:VAL:HB	0.50	2.37	6	1
1:A:88:ALA:HB1	1:B:37:ALA:HB2	0.50	1.84	9	5
1:B:82:GLY:O	1:B:83:GLU:HB3	0.50	2.06	13	2

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:44:LEU:HD12	1:A:47:PHE:CE2	0.50	2.41	9	1
1:B:44:LEU:HB2	1:B:48:LEU:CB	0.50	2.36	19	4
1:B:79:VAL:HG12	1:B:80:LYS:N	0.50	2.20	13	1
1:A:92:LEU:HD21	1:B:38:LYS:C	0.50	2.27	14	1
1:A:79:VAL:HG22	1:A:80:LYS:H	0.50	1.66	20	2
1:B:50:ILE:CB	1:B:80:LYS:HD3	0.50	2.37	20	1
1:A:27:SER:HA	1:A:30:LYS:HB3	0.50	1.83	9	11
1:B:20:SER:C	1:B:24:MET:HG3	0.50	2.27	1	6
1:A:86:LYS:O	1:A:90:GLU:N	0.50	2.43	2	1
1:A:14:THR:HG23	1:B:20:SER:OG	0.50	2.07	4	2
1:A:3:LYS:HE3	1:A:29:GLU:CB	0.50	2.37	10	4
1:A:28:PHE:HA	1:A:31:ILE:HD11	0.50	1.83	6	7
1:A:37:ALA:CB	1:B:89:ALA:HA	0.50	2.35	7	1
1:A:77:VAL:HG13	1:B:81:PRO:HB2	0.50	1.84	12	2
1:A:7:ILE:CG2	1:A:8:LYS:N	0.50	2.74	17	3
1:A:53:VAL:HG23	1:A:76:GLY:O	0.50	2.07	22	1
1:A:28:PHE:CD1	1:A:32:ILE:HG13	0.50	2.41	23	6
1:A:47:PHE:CE2	1:B:32:ILE:CG2	0.50	2.95	4	6
1:A:92:LEU:C	1:A:92:LEU:CD1	0.50	2.79	6	2
1:B:44:LEU:CD1	1:B:47:PHE:CE1	0.50	2.95	23	4
1:A:36:VAL:HG11	1:A:77:VAL:HB	0.50	1.84	2	2
1:A:44:LEU:N	1:A:48:LEU:O	0.50	2.45	23	4
1:A:94:TYR:CD1	1:B:75:VAL:CA	0.50	2.95	14	3
1:A:7:ILE:CG1	1:A:8:LYS:N	0.50	2.75	16	8
1:A:92:LEU:HA	1:B:37:ALA:O	0.50	2.06	13	3
1:A:35:THR:HA	1:A:38:LYS:HB2	0.50	1.82	21	2
1:B:79:VAL:CG1	1:B:80:LYS:N	0.50	2.75	13	1
1:B:7:ILE:HG22	1:B:25:LEU:HB2	0.50	1.84	14	1
1:A:3:LYS:O	1:A:7:ILE:HG23	0.50	2.06	19	1
1:B:50:ILE:HA	1:B:79:VAL:CB	0.49	2.36	1	1
1:A:37:ALA:O	1:B:92:LEU:CA	0.49	2.60	19	6
1:B:3:LYS:O	1:B:7:ILE:HG13	0.49	2.07	17	5
1:A:5:GLU:HA	1:A:8:LYS:HE3	0.49	1.84	4	1
1:A:45:THR:HG23	1:A:47:PHE:CD2	0.49	2.42	19	4
1:B:28:PHE:CD2	1:B:29:GLU:HG3	0.49	2.42	6	4
1:A:47:PHE:CD1	1:A:48:LEU:HB2	0.49	2.42	7	1
1:A:20:SER:HB3	1:B:16:LEU:CD2	0.49	2.37	13	1
1:B:35:THR:CG2	1:B:40:ASP:CB	0.49	2.90	22	16
1:B:47:PHE:HB2	1:B:85:LEU:CG	0.49	2.37	1	1
1:A:3:LYS:CE	1:A:29:GLU:CB	0.49	2.89	9	6
1:B:28:PHE:C	1:B:31:ILE:HG13	0.49	2.27	8	5

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:85:LEU:HD11	1:B:50:ILE:HG13	0.49	1.84	9	1
1:B:7:ILE:O	1:B:11:ALA:N	0.49	2.40	14	3
1:A:14:THR:CB	1:A:16:LEU:HD11	0.49	2.36	11	1
1:B:28:PHE:O	1:B:32:ILE:CD1	0.49	2.60	12	1
1:A:19:VAL:CG2	1:B:16:LEU:HD21	0.49	2.37	16	1
1:B:31:ILE:O	1:B:35:THR:OG1	0.49	2.27	13	8
1:A:1:MET:CG	1:A:5:GLU:HB3	0.49	2.37	17	2
1:A:10:ILE:HA	1:A:14:THR:OG1	0.49	2.08	19	9
1:B:36:VAL:HG11	1:B:77:VAL:CG2	0.49	2.37	18	2
1:A:93:LYS:O	1:A:93:LYS:HG3	0.49	2.04	19	2
1:B:50:ILE:HG23	1:B:79:VAL:CG1	0.49	2.35	12	1
1:B:30:LYS:HA	1:B:34:GLU:CG	0.49	2.37	20	1
1:A:36:VAL:HG11	1:B:85:LEU:HB2	0.49	1.83	6	1
1:B:44:LEU:CD1	1:B:48:LEU:HB2	0.49	2.32	8	4
1:B:36:VAL:HG22	1:B:52:PRO:CG	0.49	2.38	11	2
1:A:83:GLU:O	1:A:83:GLU:HG3	0.49	2.08	17	1
1:A:35:THR:CG2	1:A:42:VAL:CG2	0.49	2.91	1	1
1:A:88:ALA:HB1	1:B:37:ALA:CB	0.49	2.37	19	5
1:B:8:LYS:O	1:B:12:GLN:N	0.49	2.45	22	12
1:B:22:SER:O	1:B:26:ALA:CB	0.49	2.60	15	11
1:B:85:LEU:N	1:B:85:LEU:HD23	0.49	2.22	2	1
1:A:25:LEU:O	1:A:28:PHE:HB3	0.49	2.07	15	2
1:A:19:VAL:HG13	1:A:20:SER:N	0.49	2.21	23	3
1:A:44:LEU:CD1	1:A:47:PHE:CE1	0.49	2.95	11	1
1:A:79:VAL:CG1	1:B:81:PRO:HD3	0.49	2.37	11	1
1:A:3:LYS:HG3	1:A:25:LEU:HB3	0.49	1.84	15	1
1:A:33:THR:HG22	1:B:85:LEU:HG	0.49	1.82	15	1
1:B:93:LYS:O	1:B:96:ASP:N	0.49	2.46	9	11
1:B:3:LYS:CD	1:B:25:LEU:HD11	0.49	2.34	6	2
1:A:54:ALA:HA	1:B:94:TYR:CE1	0.49	2.41	7	2
1:A:47:PHE:CZ	1:B:32:ILE:CG2	0.49	2.95	9	3
1:B:44:LEU:CB	1:B:47:PHE:CE2	0.49	2.96	9	1
1:B:14:THR:HG22	1:B:16:LEU:HD23	0.49	1.82	16	1
1:A:36:VAL:CG2	1:A:77:VAL:HG13	0.49	2.38	17	1
1:A:53:VAL:O	1:A:54:ALA:HB2	0.49	2.06	19	2
1:A:28:PHE:HE1	1:B:44:LEU:HD22	0.49	1.67	19	6
1:B:36:VAL:HG21	1:B:50:ILE:CG2	0.49	2.36	3	1
1:A:29:GLU:CG	1:B:45:THR:HG21	0.49	2.37	6	1
1:A:52:PRO:HB2	1:A:75:VAL:HG21	0.49	1.85	6	1
1:B:47:PHE:O	1:B:81:PRO:C	0.49	2.51	6	1
1:A:52:PRO:HB2	1:A:75:VAL:CG2	0.49	2.36	7	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:89:ALA:O	1:A:92:LEU:HG	0.49	2.06	8	2
1:A:85:LEU:HB2	1:B:33:THR:OG1	0.49	2.08	15	1
1:B:1:MET:CB	1:B:5:GLU:CB	0.49	2.91	16	3
1:A:77:VAL:CG1	1:B:85:LEU:HB2	0.49	2.33	17	1
1:A:42:VAL:CG2	1:A:50:ILE:HB	0.49	2.37	20	2
1:A:19:VAL:CB	1:B:19:VAL:HB	0.49	2.38	20	2
1:B:28:PHE:O	1:B:32:ILE:HG13	0.49	2.08	20	7
1:A:14:THR:CG2	1:B:20:SER:CB	0.49	2.91	19	8
1:A:33:THR:O	1:A:36:VAL:CG2	0.49	2.60	23	2
1:A:45:THR:HG21	1:B:29:GLU:HB3	0.49	1.85	11	2
1:A:78:SER:O	1:A:79:VAL:HB	0.49	2.08	20	2
1:A:42:VAL:HG23	1:B:6:LEU:HD21	0.49	1.83	21	1
1:A:47:PHE:CD2	1:A:48:LEU:HG	0.49	2.43	1	1
1:B:21:VAL:HG23	1:B:22:SER:N	0.49	2.22	4	22
1:A:36:VAL:O	1:B:92:LEU:HD22	0.49	2.08	2	3
1:B:7:ILE:HG13	1:B:25:LEU:CD1	0.49	2.31	5	3
1:B:14:THR:CA	1:B:16:LEU:CD1	0.49	2.90	23	9
1:B:24:MET:O	1:B:28:PHE:CB	0.49	2.60	2	1
1:B:35:THR:CG2	1:B:42:VAL:HG13	0.49	2.34	23	2
1:A:50:ILE:HA	1:A:79:VAL:CG2	0.49	2.38	9	1
1:B:48:LEU:HD22	1:B:81:PRO:N	0.49	2.22	9	2
1:A:25:LEU:O	1:A:28:PHE:N	0.49	2.46	15	1
1:A:42:VAL:HG12	1:B:1:MET:HB3	0.49	1.83	20	1
1:B:82:GLY:O	1:B:85:LEU:HD12	0.48	2.08	1	1
1:B:88:ALA:O	1:B:91:GLY:N	0.48	2.46	19	5
1:B:20:SER:HB3	1:B:23:LYS:HB2	0.48	1.85	5	2
1:A:85:LEU:CD1	1:B:33:THR:O	0.48	2.61	6	1
1:B:76:GLY:C	1:B:77:VAL:HG23	0.48	2.28	7	1
1:A:52:PRO:CB	1:A:75:VAL:HG11	0.48	2.38	8	2
1:A:9:ALA:HB1	1:B:31:ILE:HG21	0.48	1.83	12	1
1:B:79:VAL:HG23	1:B:80:LYS:N	0.48	2.23	17	1
1:A:33:THR:O	1:A:36:VAL:CG1	0.48	2.60	20	1
1:A:92:LEU:O	1:A:93:LYS:CG	0.48	2.61	19	3
1:B:44:LEU:C	1:B:45:THR:CG2	0.48	2.81	14	16
1:A:52:PRO:HA	1:A:77:VAL:HA	0.48	1.84	2	5
1:B:53:VAL:HG11	1:B:78:SER:OG	0.48	2.08	2	1
1:A:75:VAL:N	1:B:94:TYR:CD2	0.48	2.81	4	3
1:A:85:LEU:HD12	1:A:85:LEU:C	0.48	2.22	6	1
1:B:1:MET:O	1:B:2:ASN:HB3	0.48	2.09	19	3
1:B:78:SER:C	1:B:79:VAL:HG13	0.48	2.28	12	2
1:A:17:THR:HB	1:B:17:THR:HG21	0.48	1.84	7	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:39:GLY:CA	1:B:97:PHE:CZ	0.48	2.95	7	1
1:B:28:PHE:CD2	1:B:32:ILE:CD1	0.48	2.95	12	1
1:A:82:GLY:O	1:A:85:LEU:HD13	0.48	2.07	17	1
1:B:7:ILE:N	1:B:25:LEU:CD1	0.48	2.76	1	3
1:B:7:ILE:CG1	1:B:8:LYS:N	0.48	2.76	18	9
1:B:20:SER:CB	1:B:23:LYS:CB	0.48	2.91	6	6
1:A:20:SER:CB	1:B:14:THR:CG2	0.48	2.91	16	7
1:A:47:PHE:CD1	1:A:47:PHE:C	0.48	2.87	22	8
1:A:47:PHE:CA	1:A:82:GLY:HA2	0.48	2.38	11	1
1:A:25:LEU:CD1	1:A:26:ALA:N	0.48	2.76	13	2
1:B:49:ASN:C	1:B:79:VAL:HB	0.48	2.28	19	3
1:B:84:SER:O	1:B:84:SER:OG	0.48	2.30	2	1
1:B:83:GLU:HA	1:B:86:LYS:HB2	0.48	1.86	3	1
1:A:50:ILE:CD1	1:A:79:VAL:CG2	0.48	2.91	12	3
1:A:44:LEU:CB	1:A:47:PHE:CZ	0.48	2.96	13	1
1:B:5:GLU:O	1:B:8:LYS:CG	0.48	2.61	13	1
1:B:77:VAL:O	1:B:79:VAL:HG12	0.48	2.08	17	1
1:B:42:VAL:HG13	1:B:50:ILE:HD11	0.48	1.83	21	1
1:A:4:THR:HG22	1:A:8:LYS:NZ	0.48	2.23	4	1
1:A:83:GLU:O	1:A:86:LYS:N	0.48	2.44	4	2
1:B:14:THR:CG2	1:B:16:LEU:HD13	0.48	2.33	5	2
1:A:49:ASN:N	1:A:79:VAL:HG23	0.48	2.24	8	2
1:A:10:ILE:CG1	1:B:24:MET:HG2	0.48	2.38	21	2
1:A:75:VAL:HG23	1:B:94:TYR:HD1	0.48	1.69	22	2
1:A:47:PHE:CE2	1:B:32:ILE:HB	0.48	2.43	23	1
1:B:3:LYS:O	1:B:25:LEU:CD2	0.48	2.61	6	1
1:A:10:ILE:HD11	1:B:28:PHE:CA	0.48	2.38	7	1
1:A:44:LEU:CB	1:A:47:PHE:CE2	0.48	2.96	13	1
1:A:77:VAL:HG23	1:B:85:LEU:HD21	0.48	1.85	18	1
1:A:7:ILE:CA	1:A:25:LEU:HD12	0.48	2.38	18	6
1:A:16:LEU:HD12	1:A:16:LEU:H	0.48	1.69	20	2
1:A:50:ILE:HA	1:A:79:VAL:HA	0.48	1.84	23	3
1:B:10:ILE:HA	1:B:14:THR:OG1	0.48	2.08	16	2
1:A:85:LEU:CA	1:A:88:ALA:HB3	0.48	2.39	4	1
1:A:7:ILE:CG1	1:A:25:LEU:HD12	0.48	2.38	9	2
1:B:48:LEU:HD23	1:B:81:PRO:HA	0.48	1.86	17	1
1:A:30:LYS:HA	1:A:34:GLU:CG	0.48	2.39	20	1
1:B:44:LEU:CB	1:B:47:PHE:CZ	0.48	2.96	20	1
1:B:51:LYS:HG3	1:B:51:LYS:O	0.48	2.09	1	1
1:B:54:ALA:CB	1:B:75:VAL:N	0.48	2.76	8	3
1:A:75:VAL:CB	1:B:94:TYR:HB2	0.48	2.38	20	4

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:28:PHE:CZ	1:A:32:ILE:CD1	0.48	2.97	7	2
1:A:31:ILE:HD12	1:A:32:ILE:HG12	0.48	1.85	21	3
1:A:89:ALA:HA	1:B:37:ALA:CB	0.48	2.39	12	1
1:B:35:THR:HG22	1:B:40:ASP:HA	0.48	1.84	13	1
1:A:75:VAL:CG2	1:B:94:TYR:HA	0.48	2.39	14	1
1:B:36:VAL:HG11	1:B:77:VAL:CB	0.48	2.38	18	1
1:B:44:LEU:CG	1:B:48:LEU:O	0.48	2.61	23	1
1:B:20:SER:O	1:B:24:MET:N	0.48	2.40	7	4
1:B:47:PHE:CD1	1:B:47:PHE:C	0.48	2.87	16	5
1:B:1:MET:HE1	1:B:6:LEU:CD2	0.48	2.38	4	1
1:B:28:PHE:C	1:B:32:ILE:HD13	0.48	2.29	12	1
1:A:50:ILE:HD11	1:A:79:VAL:CG2	0.48	2.38	15	1
1:A:5:GLU:HA	1:A:8:LYS:CE	0.48	2.38	12	4
1:B:24:MET:HE3	1:B:25:LEU:N	0.48	2.24	3	2
1:B:93:LYS:O	1:B:93:LYS:HG3	0.48	2.09	5	1
1:A:88:ALA:HB2	1:B:33:THR:HG23	0.48	1.86	8	2
1:B:7:ILE:HB	1:B:21:VAL:C	0.48	2.29	8	6
1:A:24:MET:CB	1:B:14:THR:HG21	0.48	2.33	11	1
1:A:47:PHE:HZ	1:B:32:ILE:HG21	0.48	1.68	11	1
1:A:21:VAL:O	1:A:25:LEU:HB3	0.48	2.09	19	3
1:B:36:VAL:CG2	1:B:50:ILE:CG2	0.48	2.91	18	1
1:A:84:SER:C	1:A:85:LEU:HG	0.48	2.30	19	1
1:A:53:VAL:CG2	1:A:76:GLY:O	0.48	2.62	22	1
1:A:10:ILE:HD11	1:B:24:MET:O	0.47	2.09	21	2
1:B:36:VAL:HG13	1:B:52:PRO:CD	0.47	2.39	2	2
1:A:88:ALA:HB1	1:B:34:GLU:OE2	0.47	2.08	3	1
1:B:44:LEU:CD1	1:B:48:LEU:CB	0.47	2.92	16	11
1:A:9:ALA:HB3	1:B:31:ILE:HD13	0.47	1.85	10	2
1:A:7:ILE:CG2	1:A:25:LEU:CD2	0.47	2.92	11	1
1:A:86:LYS:HG2	1:B:75:VAL:HG12	0.47	1.84	15	1
1:A:6:LEU:HD11	1:B:42:VAL:HG12	0.47	1.86	19	1
1:B:44:LEU:HB3	1:B:47:PHE:CZ	0.47	2.44	1	3
1:B:23:LYS:O	1:B:27:SER:HB2	0.47	2.09	2	1
1:A:92:LEU:N	1:B:37:ALA:CA	0.47	2.77	4	1
1:A:85:LEU:CB	1:B:77:VAL:HG11	0.47	2.39	20	2
1:B:44:LEU:CD1	1:B:47:PHE:CE2	0.47	2.96	9	1
1:A:16:LEU:HD12	1:A:16:LEU:N	0.47	2.24	17	2
1:A:84:SER:HA	1:B:77:VAL:HB	0.47	1.86	17	1
1:B:17:THR:HG23	1:B:19:VAL:N	0.47	2.24	19	1
1:A:14:THR:CG2	1:B:20:SER:HB3	0.47	2.39	15	4
1:A:47:PHE:CB	1:A:83:GLU:CB	0.47	2.92	4	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:35:THR:O	1:B:36:VAL:C	0.47	2.52	4	3
1:A:48:LEU:HD11	1:B:48:LEU:HD13	0.47	1.83	8	1
1:B:47:PHE:CD1	1:B:85:LEU:CD1	0.47	2.98	11	2
1:B:14:THR:HB	1:B:16:LEU:CD1	0.47	2.40	17	1
1:A:47:PHE:CD1	1:A:48:LEU:N	0.47	2.82	22	3
1:B:44:LEU:HD12	1:B:48:LEU:HG	0.47	1.85	23	1
1:A:88:ALA:CB	1:B:37:ALA:HB2	0.47	2.39	20	8
1:A:85:LEU:HB3	1:B:33:THR:O	0.47	2.09	17	2
1:B:95:GLU:O	1:B:96:ASP:C	0.47	2.52	5	1
1:A:47:PHE:HB2	1:A:82:GLY:HA3	0.47	1.85	15	2
1:A:7:ILE:N	1:A:25:LEU:CD1	0.47	2.78	6	5
1:A:20:SER:CB	1:A:23:LYS:CB	0.47	2.92	3	10
1:A:89:ALA:CA	1:B:37:ALA:CB	0.47	2.92	6	3
1:B:10:ILE:CA	1:B:14:THR:OG1	0.47	2.63	16	4
1:A:11:ALA:CB	1:A:21:VAL:HG11	0.47	2.37	4	1
1:B:14:THR:C	1:B:16:LEU:H	0.47	2.11	8	5
1:A:37:ALA:HB1	1:B:89:ALA:HA	0.47	1.86	7	1
1:A:47:PHE:CE1	1:A:48:LEU:HB2	0.47	2.45	7	2
1:B:47:PHE:CD2	1:B:48:LEU:HG	0.47	2.44	12	3
1:A:92:LEU:HG	1:B:38:LYS:CA	0.47	2.39	14	1
1:A:6:LEU:HD23	1:B:31:ILE:HD11	0.47	1.84	21	1
1:A:85:LEU:HG	1:B:33:THR:OG1	0.47	2.09	3	3
1:A:47:PHE:C	1:A:82:GLY:HA2	0.47	2.30	4	1
1:A:3:LYS:NZ	1:A:25:LEU:O	0.47	2.48	7	2
1:A:20:SER:CB	1:B:16:LEU:CD1	0.47	2.92	17	4
1:A:28:PHE:CE2	1:A:32:ILE:HG13	0.47	2.45	11	1
1:A:31:ILE:HG23	1:B:13:ASP:OD2	0.47	2.09	13	1
1:B:36:VAL:HA	1:B:40:ASP:HB3	0.47	1.86	13	1
1:A:81:PRO:HB2	1:B:77:VAL:HG13	0.47	1.86	16	5
1:A:78:SER:C	1:A:79:VAL:HG23	0.47	2.29	16	1
1:A:21:VAL:HG23	1:A:22:SER:N	0.47	2.25	3	20
1:A:36:VAL:CG1	1:A:37:ALA:N	0.47	2.78	1	1
1:B:20:SER:O	1:B:24:MET:HG3	0.47	2.09	1	2
1:B:11:ALA:CA	1:B:14:THR:OG1	0.47	2.63	23	9
1:B:43:GLN:C	1:B:44:LEU:HD23	0.47	2.29	4	1
1:A:29:GLU:CG	1:B:47:PHE:CE2	0.47	2.97	5	5
1:B:47:PHE:CE1	1:B:48:LEU:CG	0.47	2.97	5	4
1:B:22:SER:HA	1:B:25:LEU:HD23	0.47	1.87	6	1
1:A:33:THR:HA	1:A:36:VAL:CG2	0.47	2.40	7	2
1:B:44:LEU:HB2	1:B:48:LEU:O	0.47	2.09	16	3
1:B:48:LEU:HB3	1:B:80:LYS:HD2	0.47	1.85	15	2

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:44:LEU:HD22	1:B:28:PHE:CE2	0.47	2.45	22	3
1:A:36:VAL:HG21	1:A:50:ILE:HG21	0.47	1.86	13	1
1:A:75:VAL:HB	1:B:89:ALA:CB	0.47	2.30	15	1
1:A:47:PHE:HB2	1:A:83:GLU:HG2	0.47	1.85	17	1
1:A:6:LEU:HD21	1:B:42:VAL:HG11	0.47	1.85	19	1
1:A:43:GLN:O	1:A:43:GLN:CG	0.47	2.62	19	2
1:A:1:MET:CB	1:A:5:GLU:CB	0.47	2.93	22	1
1:B:47:PHE:CA	1:B:82:GLY:HA3	0.47	2.39	23	1
1:A:19:VAL:HG13	1:A:24:MET:SD	0.47	2.50	1	4
1:A:33:THR:HG22	1:A:34:GLU:N	0.47	2.24	2	2
1:B:52:PRO:HA	1:B:77:VAL:HA	0.47	1.87	3	6
1:A:92:LEU:HD12	1:B:75:VAL:HG11	0.47	1.86	4	1
1:B:76:GLY:O	1:B:77:VAL:CG2	0.47	2.63	7	1
1:B:18:GLN:O	1:B:21:VAL:HG13	0.47	2.09	9	1
1:A:47:PHE:CA	1:A:82:GLY:CA	0.47	2.93	11	1
1:B:50:ILE:CD1	1:B:79:VAL:HG13	0.47	2.40	13	1
1:A:94:TYR:CD2	1:B:75:VAL:N	0.47	2.83	16	1
1:B:44:LEU:C	1:B:45:THR:HG22	0.47	2.30	21	2
1:A:40:ASP:OD1	1:A:41:LYS:N	0.47	2.48	19	2
1:A:85:LEU:HD23	1:B:77:VAL:HG22	0.47	1.86	1	1
1:B:47:PHE:HB2	1:B:85:LEU:HD11	0.47	1.84	1	1
1:A:29:GLU:HB3	1:B:45:THR:HG21	0.47	1.87	2	4
1:B:50:ILE:C	1:B:79:VAL:HG11	0.47	2.31	2	3
1:A:3:LYS:CD	1:B:45:THR:HB	0.47	2.40	3	1
1:A:50:ILE:HD13	1:A:79:VAL:CG2	0.47	2.39	4	1
1:A:94:TYR:CD1	1:B:75:VAL:HB	0.47	2.44	23	3
1:B:1:MET:HE2	1:B:6:LEU:HD23	0.47	1.86	11	1
1:A:44:LEU:HB3	1:A:47:PHE:CZ	0.47	2.44	22	2
1:A:3:LYS:HE2	1:A:25:LEU:O	0.47	2.10	15	1
1:A:42:VAL:HA	1:B:1:MET:HB3	0.47	1.86	15	1
1:A:75:VAL:O	1:B:89:ALA:CB	0.47	2.62	15	1
1:B:85:LEU:HB2	1:B:88:ALA:HB3	0.47	1.86	18	1
1:B:42:VAL:HB	1:B:50:ILE:HG12	0.47	1.86	19	1
1:B:75:VAL:CG2	1:B:76:GLY:N	0.47	2.78	23	1
1:A:14:THR:CA	1:A:16:LEU:CD1	0.47	2.92	2	1
1:A:49:ASN:HB2	1:A:81:PRO:CG	0.47	2.40	4	2
1:B:14:THR:CG2	1:B:16:LEU:HD21	0.47	2.38	4	1
1:A:50:ILE:CG2	1:A:79:VAL:HG23	0.47	2.40	10	1
1:B:87:LYS:O	1:B:90:GLU:CG	0.47	2.63	13	3
1:A:50:ILE:CB	1:A:79:VAL:HG12	0.47	2.40	23	1
1:A:6:LEU:CD2	1:B:31:ILE:CD1	0.46	2.93	11	3

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:24:MET:HE3	1:A:25:LEU:HD23	0.46	1.87	1	1
1:A:44:LEU:C	1:A:45:THR:CG2	0.46	2.83	3	18
1:A:45:THR:CG2	1:B:3:LYS:HE3	0.46	2.41	15	2
1:A:85:LEU:N	1:A:85:LEU:CD1	0.46	2.77	17	2
1:A:36:VAL:CG1	1:B:85:LEU:HD22	0.46	2.39	5	1
1:A:7:ILE:O	1:A:11:ALA:N	0.46	2.44	19	6
1:A:85:LEU:CD2	1:B:77:VAL:HG11	0.46	2.40	6	1
1:A:1:MET:CB	1:B:42:VAL:HG12	0.46	2.40	8	1
1:B:45:THR:HG22	1:B:47:PHE:CD1	0.46	2.45	8	2
1:A:45:THR:HG22	1:A:47:PHE:CD1	0.46	2.45	11	1
1:A:5:GLU:O	1:A:8:LYS:CG	0.46	2.62	15	2
1:A:42:VAL:CG1	1:A:50:ILE:HB	0.46	2.40	16	1
1:B:33:THR:O	1:B:36:VAL:CG2	0.46	2.62	22	2
1:A:44:LEU:HD12	1:A:48:LEU:CG	0.46	2.40	7	2
1:A:92:LEU:HD21	1:B:75:VAL:HG11	0.46	1.87	1	2
1:A:53:VAL:CG2	1:A:76:GLY:CA	0.46	2.93	6	1
1:A:1:MET:HG2	1:A:5:GLU:CB	0.46	2.41	15	3
1:B:36:VAL:HG11	1:B:77:VAL:HG22	0.46	1.88	9	1
1:B:20:SER:HB3	1:B:24:MET:N	0.46	2.26	12	2
1:A:53:VAL:O	1:A:54:ALA:C	0.46	2.54	18	2
1:B:28:PHE:CE2	1:B:32:ILE:HG13	0.46	2.44	14	1
1:A:31:ILE:CA	1:A:34:GLU:CG	0.46	2.91	15	1
1:B:54:ALA:HB2	1:B:75:VAL:N	0.46	2.26	1	1
1:A:36:VAL:HG23	1:A:42:VAL:HG12	0.46	1.87	5	1
1:A:11:ALA:HB2	1:A:21:VAL:CG1	0.46	2.40	7	1
1:B:36:VAL:HG12	1:B:37:ALA:N	0.46	2.24	12	3
1:B:42:VAL:HB	1:B:50:ILE:HD11	0.46	1.87	14	1
1:A:45:THR:N	1:B:29:GLU:OE1	0.46	2.48	19	1
1:A:33:THR:O	1:A:36:VAL:HG23	0.46	2.10	23	1
1:A:75:VAL:HA	1:B:94:TYR:CD1	0.46	2.46	23	1
1:A:17:THR:O	1:A:17:THR:HG23	0.46	2.10	14	4
1:B:28:PHE:HA	1:B:31:ILE:CD1	0.46	2.40	5	5
1:A:36:VAL:HG21	1:B:85:LEU:CG	0.46	2.41	7	1
1:A:49:ASN:O	1:A:79:VAL:CA	0.46	2.63	19	2
1:A:92:LEU:HG	1:B:37:ALA:O	0.46	2.09	14	1
1:B:36:VAL:HG22	1:B:52:PRO:CB	0.46	2.39	21	1
1:A:23:LYS:O	1:A:27:SER:HB3	0.46	2.10	20	5
1:B:45:THR:OG1	1:B:46:GLY:N	0.46	2.46	3	8
1:B:46:GLY:O	1:B:82:GLY:HA3	0.46	2.11	4	1
1:A:31:ILE:O	1:A:35:THR:HB	0.46	2.10	6	4
1:A:27:SER:HA	1:A:30:LYS:CB	0.46	2.40	10	2

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:54:ALA:CA	1:B:75:VAL:HA	0.46	2.35	11	1
1:A:92:LEU:HG	1:B:37:ALA:C	0.46	2.31	14	1
1:A:50:ILE:CG1	1:A:79:VAL:HG23	0.46	2.41	15	1
1:A:44:LEU:CD2	1:B:28:PHE:CZ	0.46	2.98	18	1
1:A:77:VAL:CG1	1:B:84:SER:CB	0.46	2.92	18	1
1:A:6:LEU:C	1:A:25:LEU:HD13	0.46	2.30	23	1
1:A:78:SER:O	1:A:79:VAL:CG1	0.46	2.61	23	1
1:A:92:LEU:CG	1:A:93:LYS:N	0.46	2.79	1	6
1:B:93:LYS:O	1:B:97:PHE:CD2	0.46	2.68	1	2
1:B:92:LEU:HD11	1:B:94:TYR:HA	0.46	1.87	9	2
1:B:22:SER:O	1:B:26:ALA:HB2	0.46	2.11	4	7
1:A:47:PHE:CE1	1:A:48:LEU:CG	0.46	2.98	20	5
1:B:47:PHE:HD2	1:B:85:LEU:HD11	0.46	1.69	10	2
1:A:75:VAL:CB	1:B:94:TYR:CE2	0.46	2.99	14	1
1:A:44:LEU:CD1	1:A:48:LEU:CB	0.46	2.91	18	6
1:A:36:VAL:HG21	1:B:85:LEU:CD1	0.46	2.32	23	2
1:A:81:PRO:CB	1:B:77:VAL:HG11	0.46	2.41	2	1
1:A:7:ILE:HG22	1:A:25:LEU:HD12	0.46	1.86	5	2
1:B:36:VAL:HA	1:B:52:PRO:HG3	0.46	1.86	12	2
1:A:89:ALA:HB1	1:B:75:VAL:CB	0.46	2.41	15	2
1:A:94:TYR:CG	1:A:95:GLU:N	0.46	2.84	16	2
1:A:75:VAL:CG1	1:A:76:GLY:N	0.46	2.79	19	2
1:A:13:ASP:HB3	1:B:27:SER:CB	0.46	2.41	20	1
1:A:94:TYR:CG	1:B:75:VAL:HG12	0.46	2.45	23	1
1:B:28:PHE:CZ	1:B:32:ILE:CD1	0.46	2.98	1	2
1:A:24:MET:CE	1:A:25:LEU:HG	0.46	2.41	22	6
1:A:85:LEU:HD12	1:B:77:VAL:CG2	0.46	2.40	4	1
1:A:18:GLN:O	1:A:19:VAL:O	0.46	2.34	10	4
1:B:48:LEU:HD22	1:B:82:GLY:HA2	0.46	1.87	6	1
1:A:2:ASN:N	1:A:5:GLU:HB2	0.46	2.25	17	2
1:A:47:PHE:CE2	1:B:29:GLU:CG	0.46	2.99	18	6
1:A:45:THR:CG2	1:B:29:GLU:HB3	0.46	2.41	11	2
1:A:42:VAL:HB	1:A:50:ILE:HG12	0.46	1.87	9	1
1:A:10:ILE:C	1:A:14:THR:OG1	0.46	2.53	18	6
1:A:43:GLN:O	1:B:2:ASN:CB	0.46	2.64	18	1
1:A:3:LYS:CD	1:A:25:LEU:HD13	0.46	2.41	20	1
1:A:27:SER:OG	1:B:13:ASP:CB	0.46	2.64	20	1
1:A:77:VAL:HG11	1:B:84:SER:OG	0.46	2.11	2	1
1:B:1:MET:CG	1:B:5:GLU:HB3	0.46	2.41	19	2
1:A:37:ALA:CA	1:B:88:ALA:O	0.46	2.63	9	3
1:B:14:THR:HA	1:B:16:LEU:CD1	0.46	2.40	10	3

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:2:ASN:O	1:B:6:LEU:HB2	0.46	2.10	12	2
1:B:51:LYS:HD3	1:B:53:VAL:HG13	0.46	1.88	18	1
1:A:20:SER:HG	1:B:14:THR:HG23	0.46	1.70	19	1
1:A:75:VAL:HG21	1:B:92:LEU:CD2	0.46	2.29	19	1
1:A:16:LEU:HD21	1:B:23:LYS:CE	0.46	2.41	20	1
1:A:28:PHE:CA	1:A:31:ILE:CG1	0.46	2.94	23	7
1:A:29:GLU:HG2	1:B:45:THR:CG2	0.46	2.40	3	1
1:A:48:LEU:CD2	1:A:82:GLY:HA2	0.46	2.39	4	1
1:A:92:LEU:HD21	1:B:36:VAL:O	0.46	2.11	4	1
1:B:24:MET:CE	1:B:25:LEU:CD2	0.46	2.94	17	6
1:B:79:VAL:O	1:B:80:LYS:CG	0.46	2.64	4	2
1:A:49:ASN:O	1:A:51:LYS:HG2	0.46	2.11	8	1
1:B:44:LEU:HD12	1:B:47:PHE:CZ	0.46	2.45	9	1
1:B:52:PRO:O	1:B:53:VAL:CG1	0.46	2.64	10	1
1:A:20:SER:CB	1:A:23:LYS:HG3	0.46	2.41	11	1
1:A:85:LEU:CA	1:B:33:THR:OG1	0.46	2.64	11	2
1:B:54:ALA:N	1:B:75:VAL:HG22	0.46	2.25	13	1
1:A:50:ILE:HD11	1:B:48:LEU:HD21	0.46	1.87	22	1
1:A:7:ILE:HG13	1:A:8:LYS:H	0.45	1.71	4	3
1:B:50:ILE:CD1	1:B:79:VAL:CG1	0.45	2.94	6	1
1:A:37:ALA:CB	1:B:89:ALA:CA	0.45	2.94	7	1
1:B:3:LYS:O	1:B:7:ILE:HD12	0.45	2.11	16	1
1:B:19:VAL:HG22	1:B:24:MET:HG2	0.45	1.87	17	1
1:B:48:LEU:HB3	1:B:80:LYS:HG3	0.45	1.87	20	1
1:A:17:THR:CG2	1:A:19:VAL:N	0.45	2.80	13	10
1:A:50:ILE:HG12	1:A:79:VAL:HG23	0.45	1.88	18	2
1:A:53:VAL:C	1:A:75:VAL:HG22	0.45	2.31	17	2
1:A:88:ALA:O	1:A:91:GLY:N	0.45	2.49	15	8
1:A:42:VAL:O	1:A:50:ILE:CG1	0.45	2.64	6	1
1:A:92:LEU:CA	1:B:37:ALA:O	0.45	2.64	9	2
1:A:41:LYS:O	1:A:43:GLN:N	0.45	2.49	15	1
1:A:85:LEU:C	1:A:85:LEU:HD23	0.45	2.31	15	1
1:A:37:ALA:HB3	1:B:88:ALA:HB1	0.45	1.87	18	1
1:B:36:VAL:CG1	1:B:50:ILE:CG2	0.45	2.93	22	1
1:B:4:THR:HA	1:B:7:ILE:HG23	0.45	1.88	10	2
1:A:24:MET:O	1:A:28:PHE:CB	0.45	2.64	17	5
1:A:28:PHE:HA	1:A:31:ILE:CD1	0.45	2.41	6	5
1:A:94:TYR:CD1	1:A:94:TYR:C	0.45	2.88	5	2
1:A:75:VAL:CA	1:B:94:TYR:CE1	0.45	3.00	9	1
1:B:46:GLY:O	1:B:83:GLU:CB	0.45	2.65	9	1
1:A:19:VAL:CG2	1:A:20:SER:H	0.45	2.18	12	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:38:LYS:CA	1:B:92:LEU:HD12	0.45	2.41	13	1
1:A:84:SER:O	1:A:84:SER:OG	0.45	2.32	17	1
1:A:11:ALA:CA	1:A:14:THR:OG1	0.45	2.64	1	4
1:A:16:LEU:CD1	1:B:20:SER:HB2	0.45	2.42	6	2
1:A:24:MET:HG2	1:B:10:ILE:CG2	0.45	2.42	5	1
1:B:93:LYS:CB	1:B:97:PHE:CZ	0.45	3.00	7	1
1:A:1:MET:CB	1:A:5:GLU:HB3	0.45	2.42	12	1
1:A:19:VAL:HB	1:B:19:VAL:CB	0.45	2.41	15	2
1:A:20:SER:CB	1:B:14:THR:HG23	0.45	2.41	19	1
1:A:3:LYS:HE3	1:A:29:GLU:HG3	0.45	1.89	20	1
1:A:77:VAL:CG1	1:B:84:SER:CA	0.45	2.95	20	1
1:A:6:LEU:HD11	1:B:42:VAL:HB	0.45	1.87	21	1
1:A:12:GLN:CG	1:A:13:ASP:N	0.45	2.80	18	6
1:A:37:ALA:O	1:B:92:LEU:HB3	0.45	2.10	23	5
1:A:54:ALA:HB2	1:A:75:VAL:CG2	0.45	2.34	3	1
1:A:33:THR:CA	1:B:85:LEU:HD13	0.45	2.39	4	1
1:A:52:PRO:HB2	1:A:75:VAL:HG11	0.45	1.87	8	3
1:A:36:VAL:HG21	1:B:85:LEU:HD23	0.45	1.89	6	1
1:B:85:LEU:N	1:B:85:LEU:CD2	0.45	2.78	18	2
1:B:85:LEU:HD23	1:B:85:LEU:C	0.45	2.30	7	1
1:B:50:ILE:HD13	1:B:79:VAL:HG23	0.45	1.87	10	1
1:A:7:ILE:O	1:A:11:ALA:CB	0.45	2.65	17	1
1:B:31:ILE:HD12	1:B:32:ILE:HG12	0.45	1.87	17	1
1:B:84:SER:HB3	1:B:86:LYS:HB2	0.45	1.89	18	1
1:B:3:LYS:HD3	1:B:25:LEU:HD13	0.45	1.87	20	1
1:A:33:THR:OG1	1:B:85:LEU:CB	0.45	2.64	23	1
1:A:38:LYS:HD3	1:B:92:LEU:HD13	0.45	1.88	1	1
1:B:49:ASN:N	1:B:79:VAL:HG23	0.45	2.27	1	1
1:A:33:THR:CA	1:B:85:LEU:HD22	0.45	2.42	4	1
1:A:29:GLU:HG2	1:B:44:LEU:HB3	0.45	1.88	9	1
1:B:27:SER:O	1:B:31:ILE:HG12	0.45	2.11	9	2
1:B:47:PHE:CD1	1:B:85:LEU:CD2	0.45	2.99	9	1
1:A:24:MET:O	1:B:10:ILE:CG1	0.45	2.65	11	1
1:A:50:ILE:HD13	1:A:79:VAL:HA	0.45	1.89	11	1
1:A:3:LYS:HE2	1:A:28:PHE:HB3	0.45	1.88	15	1
1:B:44:LEU:HD12	1:B:48:LEU:HD12	0.45	1.89	17	3
1:A:92:LEU:HD21	1:B:75:VAL:CG1	0.45	2.41	1	1
1:B:87:LYS:O	1:B:90:GLU:HG3	0.45	2.11	1	1
1:A:7:ILE:HG22	1:A:21:VAL:O	0.45	2.12	4	3
1:A:20:SER:HG	1:A:24:MET:N	0.45	2.09	6	1
1:B:7:ILE:HB	1:B:21:VAL:O	0.45	2.10	14	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:47:PHE:HB2	1:B:85:LEU:HD12	0.45	1.88	15	1
1:A:77:VAL:O	1:B:81:PRO:CB	0.45	2.65	16	1
1:B:1:MET:CB	1:B:5:GLU:HB3	0.45	2.42	18	3
1:B:94:TYR:CG	1:B:95:GLU:N	0.45	2.84	16	2
1:B:50:ILE:CD1	1:B:79:VAL:CG2	0.45	2.95	17	1
1:A:35:THR:CG2	1:A:40:ASP:HB2	0.45	2.39	19	1
1:B:34:GLU:CG	1:B:35:THR:N	0.45	2.79	23	1
1:A:24:MET:HE3	1:A:25:LEU:CD2	0.45	2.42	1	1
1:A:14:THR:HG22	1:B:24:MET:HG2	0.45	1.89	2	1
1:A:83:GLU:O	1:A:83:GLU:CG	0.45	2.65	2	1
1:A:24:MET:HE3	1:A:25:LEU:N	0.45	2.27	5	1
1:A:47:PHE:O	1:A:81:PRO:CA	0.45	2.65	13	1
1:B:7:ILE:HG13	1:B:8:LYS:H	0.45	1.71	21	3
1:B:47:PHE:HB2	1:B:85:LEU:HB3	0.45	1.89	14	1
1:B:50:ILE:HA	1:B:79:VAL:CG2	0.45	2.27	19	1
1:A:77:VAL:CG1	1:B:85:LEU:CD2	0.45	2.95	23	1
1:B:3:LYS:NZ	1:B:25:LEU:CD1	0.45	2.80	23	1
1:A:90:GLU:HA	1:A:94:TYR:HB2	0.45	1.88	1	1
1:A:45:THR:HG21	1:B:29:GLU:HG3	0.45	1.88	10	4
1:B:18:GLN:O	1:B:19:VAL:O	0.45	2.35	19	5
1:B:9:ALA:O	1:B:13:ASP:OD2	0.45	2.34	9	1
1:A:7:ILE:HD12	1:A:25:LEU:CD2	0.45	2.41	17	1
1:A:47:PHE:O	1:A:82:GLY:HA2	0.45	2.12	17	1
1:B:27:SER:HA	1:B:30:LYS:CB	0.45	2.42	2	2
1:A:7:ILE:HG22	1:A:25:LEU:HB2	0.45	1.87	4	1
1:A:28:PHE:CD2	1:A:29:GLU:N	0.45	2.84	9	1
1:B:12:GLN:CG	1:B:13:ASP:N	0.44	2.80	1	5
1:A:8:LYS:O	1:A:12:GLN:N	0.44	2.49	11	5
1:A:49:ASN:CB	1:A:81:PRO:CD	0.44	2.95	4	1
1:B:1:MET:HA	1:B:5:GLU:HB2	0.44	1.89	6	4
1:A:36:VAL:HG13	1:A:52:PRO:CG	0.44	2.42	9	2
1:A:94:TYR:CD2	1:B:75:VAL:CB	0.44	3.00	10	1
1:A:28:PHE:CE1	1:B:44:LEU:HD21	0.44	2.48	15	1
1:B:50:ILE:HD12	1:B:50:ILE:O	0.44	2.12	19	1
1:A:52:PRO:C	1:A:53:VAL:HG13	0.44	2.31	2	3
1:B:80:LYS:N	1:B:80:LYS:CD	0.44	2.81	19	1
1:A:33:THR:CA	1:B:85:LEU:HD23	0.44	2.37	21	1
1:A:47:PHE:HB2	1:A:85:LEU:CG	0.44	2.42	21	1
1:A:47:PHE:CE2	1:A:85:LEU:HD21	0.44	2.47	23	1
1:B:2:ASN:OD1	1:B:3:LYS:N	0.44	2.51	23	1
1:A:35:THR:CG2	1:A:42:VAL:HG22	0.44	2.43	1	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:50:ILE:CA	1:B:79:VAL:HB	0.44	2.41	1	1
1:A:77:VAL:CG2	1:B:85:LEU:HB3	0.44	2.39	3	1
1:B:10:ILE:C	1:B:14:THR:OG1	0.44	2.53	5	3
1:A:20:SER:OG	1:A:23:LYS:HG2	0.44	2.12	6	1
1:A:77:VAL:HG13	1:A:79:VAL:HG12	0.44	1.89	6	1
1:B:1:MET:HG2	1:B:5:GLU:HB3	0.44	1.87	12	2
1:B:45:THR:O	1:B:46:GLY:C	0.44	2.55	9	1
1:A:47:PHE:CB	1:A:82:GLY:HA3	0.44	2.43	15	1
1:B:7:ILE:HD12	1:B:21:VAL:C	0.44	2.33	18	1
1:A:36:VAL:CG1	1:B:88:ALA:HB1	0.44	2.41	20	1
1:B:49:ASN:C	1:B:79:VAL:CG2	0.44	2.85	1	1
1:A:47:PHE:HB2	1:A:83:GLU:HB3	0.44	1.90	4	1
1:A:54:ALA:N	1:A:75:VAL:HG22	0.44	2.27	4	1
1:A:85:LEU:CD1	1:B:77:VAL:HG11	0.44	2.42	5	1
1:A:29:GLU:CG	1:B:45:THR:HG22	0.44	2.42	11	3
1:B:7:ILE:HD12	1:B:25:LEU:CD2	0.44	2.42	9	1
1:B:11:ALA:CA	1:B:14:THR:HG1	0.44	2.25	23	4
1:B:35:THR:C	1:B:40:ASP:HB2	0.44	2.32	13	1
1:A:3:LYS:CE	1:A:25:LEU:O	0.44	2.65	15	1
1:A:31:ILE:HD12	1:A:32:ILE:N	0.44	2.27	15	1
1:B:48:LEU:HD13	1:B:79:VAL:CG2	0.44	2.42	18	1
1:A:81:PRO:HA	1:A:85:LEU:HD13	0.44	1.89	20	1
1:A:14:THR:CG2	1:B:24:MET:HB3	0.44	2.42	2	2
1:A:35:THR:O	1:A:39:GLY:N	0.44	2.50	13	6
1:B:50:ILE:CD1	1:B:79:VAL:HG21	0.44	2.42	1	1
1:A:36:VAL:HG11	1:A:77:VAL:CB	0.44	2.42	2	1
1:B:20:SER:CB	1:B:23:LYS:CG	0.44	2.96	17	2
1:B:52:PRO:C	1:B:53:VAL:HG13	0.44	2.33	4	2
1:B:1:MET:CG	1:B:5:GLU:CB	0.44	2.96	6	2
1:B:28:PHE:CA	1:B:31:ILE:HG13	0.44	2.43	14	5
1:A:42:VAL:CG1	1:A:50:ILE:CG2	0.44	2.95	8	1
1:A:3:LYS:CE	1:A:26:ALA:O	0.44	2.66	9	1
1:B:36:VAL:N	1:B:40:ASP:HB2	0.44	2.27	13	1
1:A:20:SER:HB2	1:B:16:LEU:CD2	0.44	2.43	16	1
1:A:47:PHE:HD1	1:A:85:LEU:HD21	0.44	1.72	18	1
1:A:24:MET:CE	1:A:25:LEU:CD2	0.44	2.95	4	4
1:B:20:SER:O	1:B:20:SER:OG	0.44	2.34	2	1
1:A:22:SER:O	1:A:26:ALA:HB2	0.44	2.12	11	5
1:A:45:THR:HG21	1:B:29:GLU:CG	0.44	2.42	4	2
1:B:3:LYS:HE3	1:B:29:GLU:CB	0.44	2.43	17	2
1:A:17:THR:HG21	1:B:17:THR:HB	0.44	1.89	7	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:19:VAL:HG21	1:B:19:VAL:HG12	0.44	1.90	10	2
1:A:80:LYS:C	1:B:79:VAL:HG21	0.44	2.33	12	1
1:A:47:PHE:O	1:A:81:PRO:C	0.44	2.56	17	1
1:A:47:PHE:CG	1:A:48:LEU:N	0.44	2.86	17	1
1:B:47:PHE:O	1:B:81:PRO:CA	0.44	2.65	17	1
1:B:27:SER:O	1:B:31:ILE:CD1	0.44	2.65	18	1
1:A:94:TYR:HB2	1:B:75:VAL:CG1	0.44	2.43	23	1
1:B:42:VAL:HB	1:B:50:ILE:CG2	0.44	2.43	1	1
1:B:20:SER:HG	1:B:24:MET:N	0.44	2.10	4	1
1:A:53:VAL:HG23	1:A:76:GLY:HA3	0.44	1.89	6	1
1:B:28:PHE:HA	1:B:31:ILE:HG13	0.44	1.89	6	3
1:A:35:THR:O	1:A:36:VAL:C	0.44	2.56	7	1
1:B:35:THR:HA	1:B:38:LYS:CB	0.44	2.43	15	2
1:A:92:LEU:HG	1:A:93:LYS:H	0.44	1.73	8	1
1:A:54:ALA:HB2	1:B:97:PHE:CD2	0.44	2.48	9	1
1:B:44:LEU:CB	1:B:48:LEU:HB2	0.44	2.43	21	2
1:A:43:GLN:O	1:B:2:ASN:HA	0.44	2.13	21	2
1:A:85:LEU:HD11	1:B:36:VAL:HG21	0.44	1.90	15	1
1:A:31:ILE:HD11	1:B:6:LEU:CD2	0.44	2.43	18	1
1:A:44:LEU:C	1:A:45:THR:HG22	0.44	2.32	22	1
1:B:47:PHE:HB2	1:B:85:LEU:CD1	0.44	2.42	18	2
1:B:75:VAL:HG13	1:B:76:GLY:N	0.44	2.28	17	4
1:A:47:PHE:CB	1:A:83:GLU:HB3	0.44	2.43	4	1
1:B:46:GLY:O	1:B:83:GLU:N	0.44	2.47	4	2
1:A:92:LEU:CG	1:B:37:ALA:O	0.44	2.65	6	1
1:A:81:PRO:CG	1:B:79:VAL:HG12	0.44	2.43	8	1
1:A:3:LYS:HG2	1:A:26:ALA:HA	0.44	1.89	9	1
1:A:7:ILE:CG2	1:A:8:LYS:HE3	0.44	2.40	9	1
1:B:28:PHE:CA	1:B:31:ILE:CG1	0.44	2.95	9	2
1:A:3:LYS:HD3	1:B:45:THR:CG2	0.44	2.42	10	2
1:A:82:GLY:N	1:A:85:LEU:HD11	0.44	2.27	21	1
1:A:47:PHE:CD2	1:A:85:LEU:CD2	0.44	3.00	23	1
1:A:35:THR:CG2	1:A:40:ASP:HB3	0.44	2.43	7	6
1:B:20:SER:HG	1:B:24:MET:H	0.44	1.55	4	1
1:A:90:GLU:HG3	1:A:91:GLY:N	0.44	2.28	5	2
1:A:49:ASN:C	1:A:79:VAL:CG2	0.44	2.87	19	2
1:B:20:SER:CB	1:B:23:LYS:HB3	0.44	2.42	10	1
1:A:49:ASN:H	1:A:80:LYS:HB2	0.44	1.73	11	1
1:A:51:LYS:HD2	1:A:53:VAL:HG13	0.44	1.88	11	1
1:B:36:VAL:CG1	1:B:37:ALA:N	0.44	2.81	20	2
1:B:42:VAL:CB	1:B:50:ILE:HD11	0.44	2.42	14	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:20:SER:OG	1:B:16:LEU:CD1	0.44	2.64	15	1
1:A:86:LYS:HD2	1:B:77:VAL:HG12	0.44	1.89	15	1
1:A:33:THR:O	1:A:36:VAL:HG12	0.44	2.13	20	1
1:A:50:ILE:O	1:A:50:ILE:HG22	0.44	2.13	20	1
1:A:77:VAL:HG12	1:B:84:SER:OG	0.44	2.13	20	1
1:A:36:VAL:CG1	1:A:50:ILE:CD1	0.44	2.96	23	1
1:A:10:ILE:HG13	1:B:24:MET:CB	0.43	2.43	1	2
1:A:79:VAL:CG1	1:B:81:PRO:HG3	0.43	2.43	2	1
1:B:75:VAL:HG22	1:B:76:GLY:N	0.43	2.28	3	1
1:A:85:LEU:CD2	1:B:77:VAL:CG1	0.43	2.96	6	1
1:A:36:VAL:O	1:A:52:PRO:CG	0.43	2.66	7	1
1:A:77:VAL:HG12	1:B:86:LYS:CG	0.43	2.42	7	1
1:A:1:MET:HE1	1:A:6:LEU:CD2	0.43	2.43	9	1
1:B:20:SER:HB3	1:B:23:LYS:HB3	0.43	1.89	10	1
1:B:48:LEU:HA	1:B:80:LYS:O	0.43	2.12	14	2
1:A:42:VAL:HG12	1:B:1:MET:HG2	0.43	1.89	15	1
1:A:36:VAL:CG1	1:B:88:ALA:CB	0.43	2.96	20	1
1:B:24:MET:O	1:B:28:PHE:HB2	0.43	2.13	2	1
1:A:32:ILE:O	1:B:85:LEU:HD13	0.43	2.13	4	1
1:B:78:SER:O	1:B:79:VAL:HB	0.43	2.12	8	2
1:B:14:THR:CB	1:B:16:LEU:HD12	0.43	2.43	7	3
1:A:85:LEU:CD2	1:B:33:THR:HA	0.43	2.42	14	1
1:A:25:LEU:HA	1:A:28:PHE:CB	0.43	2.43	15	1
1:A:82:GLY:C	1:A:84:SER:N	0.43	2.69	17	1
1:A:36:VAL:HG13	1:A:37:ALA:N	0.43	2.28	20	1
1:A:2:ASN:HA	1:B:43:GLN:O	0.43	2.14	3	2
1:B:50:ILE:CD1	1:B:79:VAL:HG23	0.43	2.43	4	1
1:A:51:LYS:O	1:A:78:SER:CB	0.43	2.66	6	1
1:A:85:LEU:CD1	1:B:36:VAL:CB	0.43	2.97	8	1
1:B:1:MET:HE1	1:B:6:LEU:HD23	0.43	1.89	11	1
1:A:25:LEU:O	1:A:26:ALA:C	0.43	2.55	15	1
1:B:30:LYS:HA	1:B:34:GLU:HG3	0.43	1.90	20	1
1:A:1:MET:HB2	1:B:42:VAL:CG2	0.43	2.44	1	1
1:B:4:THR:HA	1:B:7:ILE:CG2	0.43	2.43	10	2
1:A:33:THR:CG2	1:A:34:GLU:N	0.43	2.82	2	1
1:A:1:MET:CE	1:A:6:LEU:CD2	0.43	2.96	17	5
1:A:32:ILE:HG22	1:B:47:PHE:CE2	0.43	2.48	8	3
1:B:42:VAL:HG13	1:B:42:VAL:O	0.43	2.14	3	1
1:A:92:LEU:CA	1:B:37:ALA:HA	0.43	2.43	4	1
1:A:44:LEU:HD12	1:A:48:LEU:HG	0.43	1.90	7	1
1:A:44:LEU:HB2	1:A:47:PHE:CD1	0.43	2.48	11	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:32:ILE:HG22	1:B:33:THR:N	0.43	2.28	12	1
1:B:42:VAL:HG23	1:B:50:ILE:HD11	0.43	1.88	19	2
1:A:3:LYS:NZ	1:A:29:GLU:HB2	0.43	2.28	15	1
1:B:3:LYS:CE	1:B:26:ALA:HA	0.43	2.43	15	1
1:B:20:SER:OG	1:B:23:LYS:HB3	0.43	2.14	15	2
1:A:42:VAL:O	1:A:42:VAL:HG12	0.43	2.13	23	1
1:B:44:LEU:HD12	1:B:48:LEU:CG	0.43	2.43	23	1
1:B:47:PHE:CB	1:B:85:LEU:HD21	0.43	2.44	4	1
1:A:29:GLU:HG3	1:B:45:THR:CG2	0.43	2.44	6	1
1:A:85:LEU:HD13	1:B:77:VAL:HG13	0.43	1.85	7	1
1:A:20:SER:CB	1:A:23:LYS:CG	0.43	2.97	11	1
1:A:24:MET:CA	1:B:10:ILE:HG13	0.43	2.43	18	1
1:B:42:VAL:O	1:B:50:ILE:HG13	0.43	2.14	19	1
1:B:50:ILE:CG1	1:B:50:ILE:O	0.43	2.66	19	1
1:B:47:PHE:HB2	1:B:85:LEU:HG	0.43	1.89	20	1
1:B:8:LYS:O	1:B:12:GLN:CG	0.43	2.66	22	1
1:B:3:LYS:HZ3	1:B:25:LEU:CD1	0.43	2.27	23	1
1:A:79:VAL:O	1:A:80:LYS:CG	0.43	2.66	2	2
1:B:44:LEU:CG	1:B:48:LEU:HB2	0.43	2.44	4	1
1:A:42:VAL:N	1:A:50:ILE:HG13	0.43	2.28	6	1
1:B:80:LYS:CB	1:B:81:PRO:CD	0.43	2.96	23	2
1:A:1:MET:HA	1:A:5:GLU:HB2	0.43	1.91	8	2
1:B:51:LYS:O	1:B:51:LYS:HD3	0.43	2.13	9	1
1:B:3:LYS:O	1:B:7:ILE:CD1	0.43	2.67	11	2
1:B:20:SER:OG	1:B:23:LYS:HE3	0.43	2.14	14	1
1:B:52:PRO:HB2	1:B:75:VAL:CG2	0.43	2.43	15	1
1:B:19:VAL:HG13	1:B:24:MET:SD	0.43	2.53	17	1
1:B:47:PHE:HB3	1:B:84:SER:HB3	0.43	1.91	19	1
1:A:82:GLY:H	1:A:85:LEU:HD11	0.43	1.74	21	1
1:A:36:VAL:CG2	1:B:85:LEU:CD1	0.43	2.88	23	1
1:A:75:VAL:HG13	1:B:86:LYS:HG2	0.43	1.91	1	1
1:B:77:VAL:HG12	1:B:79:VAL:CG1	0.43	2.43	1	1
1:B:50:ILE:HG12	1:B:79:VAL:HG23	0.43	1.90	7	2
1:B:8:LYS:O	1:B:12:GLN:HB3	0.43	2.13	16	4
1:B:17:THR:CG2	1:B:19:VAL:N	0.43	2.82	16	6
1:B:79:VAL:HG22	1:B:80:LYS:H	0.43	1.71	8	1
1:A:20:SER:HB3	1:A:23:LYS:HG3	0.43	1.89	11	1
1:A:24:MET:HE2	1:A:25:LEU:N	0.43	2.28	11	1
1:B:5:GLU:HA	1:B:8:LYS:CE	0.43	2.42	12	1
1:A:22:SER:HA	1:A:25:LEU:HD23	0.43	1.89	16	1
1:B:42:VAL:CG1	1:B:50:ILE:CG2	0.43	2.96	20	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:48:LEU:CD1	1:B:80:LYS:CG	0.43	2.88	20	1
1:A:28:PHE:CA	1:A:31:ILE:HG13	0.43	2.44	3	8
1:A:85:LEU:N	1:B:33:THR:OG1	0.43	2.52	1	3
1:A:45:THR:OG1	1:A:46:GLY:N	0.43	2.52	7	7
1:A:32:ILE:O	1:A:36:VAL:CG2	0.43	2.67	7	1
1:A:37:ALA:HB1	1:B:92:LEU:HG	0.43	1.90	7	1
1:B:97:PHE:CD1	1:B:97:PHE:N	0.43	2.83	7	1
1:B:35:THR:O	1:B:39:GLY:N	0.43	2.52	20	2
1:B:34:GLU:HA	1:B:37:ALA:HB3	0.43	1.90	9	1
1:A:13:ASP:OD2	1:B:31:ILE:HG23	0.43	2.14	10	1
1:A:52:PRO:CB	1:A:75:VAL:CG1	0.43	2.97	11	2
1:A:28:PHE:CD2	1:A:32:ILE:HG13	0.43	2.49	13	1
1:A:36:VAL:HG13	1:B:88:ALA:CB	0.43	2.42	20	1
1:A:47:PHE:HA	1:A:82:GLY:HA3	0.43	1.90	20	1
1:B:4:THR:CA	1:B:7:ILE:HG23	0.43	2.44	1	2
1:A:81:PRO:CB	1:B:77:VAL:O	0.43	2.67	18	3
1:B:89:ALA:O	1:B:92:LEU:HD23	0.43	2.13	5	1
1:B:27:SER:O	1:B:30:LYS:HB3	0.43	2.14	18	2
1:A:47:PHE:O	1:A:48:LEU:HD23	0.43	2.13	13	1
1:B:3:LYS:CE	1:B:28:PHE:HD1	0.43	2.26	23	1
1:B:48:LEU:HD11	1:B:79:VAL:HG22	0.43	1.90	23	1
1:A:36:VAL:HG11	1:B:85:LEU:HB3	0.43	1.91	1	1
1:A:44:LEU:HB2	1:A:48:LEU:CB	0.43	2.44	12	4
1:B:52:PRO:HB2	1:B:75:VAL:CG1	0.43	2.44	2	1
1:A:2:ASN:O	1:A:4:THR:N	0.43	2.52	4	3
1:A:20:SER:HG	1:A:23:LYS:CB	0.43	2.27	6	1
1:A:79:VAL:O	1:A:80:LYS:HB3	0.43	2.14	6	3
1:B:85:LEU:C	1:B:87:LYS:N	0.43	2.71	6	1
1:A:1:MET:O	1:B:43:GLN:CG	0.43	2.67	7	1
1:A:31:ILE:CD1	1:B:9:ALA:HB1	0.43	2.35	9	1
1:B:36:VAL:HG21	1:B:50:ILE:HD12	0.43	1.91	9	1
1:A:89:ALA:N	1:B:37:ALA:HB2	0.43	2.29	21	3
1:A:79:VAL:HG21	1:B:48:LEU:HD21	0.43	1.91	16	1
1:A:3:LYS:HD3	1:A:25:LEU:HD11	0.43	1.91	17	1
1:B:53:VAL:O	1:B:75:VAL:HG23	0.43	2.14	23	1
1:B:82:GLY:C	1:B:84:SER:H	0.42	2.18	2	1
1:A:28:PHE:HA	1:A:31:ILE:HG13	0.42	1.90	4	1
1:A:36:VAL:CG2	1:B:85:LEU:CD2	0.42	2.97	11	2
1:A:45:THR:HG22	1:A:47:PHE:CE2	0.42	2.49	8	1
1:A:86:LYS:O	1:B:75:VAL:HG11	0.42	2.13	11	1
1:A:24:MET:O	1:A:28:PHE:HB3	0.42	2.14	19	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:20:SER:OG	1:B:23:LYS:HG2	0.42	2.14	2	1
1:B:35:THR:CG2	1:B:40:ASP:HB3	0.42	2.43	4	4
1:B:47:PHE:HB2	1:B:85:LEU:CD2	0.42	2.43	2	1
1:A:1:MET:HG2	1:A:5:GLU:HB3	0.42	1.91	4	2
1:A:20:SER:C	1:A:24:MET:CG	0.42	2.86	22	4
1:A:7:ILE:HD12	1:A:7:ILE:C	0.42	2.35	5	3
1:B:7:ILE:CD1	1:B:25:LEU:CD2	0.42	2.95	9	1
1:A:20:SER:HB3	1:A:23:LYS:CG	0.42	2.45	11	1
1:B:42:VAL:O	1:B:50:ILE:N	0.42	2.52	20	2
1:B:53:VAL:HG11	1:B:78:SER:HB2	0.42	1.90	11	1
1:A:1:MET:HE3	1:A:6:LEU:CD2	0.42	2.45	12	1
1:A:20:SER:OG	1:B:14:THR:HG23	0.42	2.14	19	1
1:A:47:PHE:HB3	1:A:84:SER:CB	0.42	2.43	20	1
1:B:19:VAL:HG13	1:B:20:SER:N	0.42	2.24	1	1
1:A:6:LEU:CB	1:A:25:LEU:CD1	0.42	2.97	5	1
1:A:44:LEU:CD1	1:A:48:LEU:CD1	0.42	2.97	5	1
1:B:25:LEU:HG	1:B:26:ALA:H	0.42	1.69	6	1
1:A:92:LEU:HB3	1:B:37:ALA:C	0.42	2.35	7	3
1:A:77:VAL:CG2	1:B:84:SER:O	0.42	2.66	10	1
1:A:36:VAL:CB	1:B:85:LEU:CD2	0.42	2.98	11	1
1:A:20:SER:HB2	1:B:16:LEU:CD1	0.42	2.44	17	1
1:B:94:TYR:CE1	1:B:95:GLU:HG2	0.42	2.49	20	1
1:B:77:VAL:O	1:B:77:VAL:HG13	0.42	2.14	22	1
1:B:49:ASN:O	1:B:80:LYS:N	0.42	2.52	23	1
1:A:10:ILE:O	1:A:14:THR:HG23	0.42	2.14	1	2
1:A:10:ILE:CG1	1:B:24:MET:CB	0.42	2.98	20	3
1:A:90:GLU:HA	1:A:94:TYR:CB	0.42	2.44	1	1
1:A:24:MET:HG2	1:B:14:THR:CG2	0.42	2.45	14	3
1:A:29:GLU:OE1	1:B:45:THR:N	0.42	2.53	9	1
1:B:23:LYS:O	1:B:27:SER:HB3	0.42	2.14	9	1
1:B:43:GLN:O	1:B:43:GLN:CG	0.42	2.67	16	2
1:A:36:VAL:O	1:B:92:LEU:CB	0.42	2.67	14	1
1:A:47:PHE:HB3	1:B:33:THR:HG1	0.42	1.70	14	1
1:B:94:TYR:C	1:B:94:TYR:HD1	0.42	2.14	15	1
1:A:35:THR:O	1:A:40:ASP:N	0.42	2.52	19	1
1:A:92:LEU:CD1	1:A:93:LYS:N	0.42	2.83	1	1
1:B:47:PHE:HB3	1:B:84:SER:CB	0.42	2.45	12	3
1:A:14:THR:C	1:A:16:LEU:H	0.42	2.17	5	2
1:A:42:VAL:CG1	1:A:42:VAL:O	0.42	2.67	6	1
1:B:3:LYS:O	1:B:25:LEU:HD21	0.42	2.14	6	1
1:A:86:LYS:HG3	1:B:77:VAL:HG21	0.42	1.92	7	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:84:SER:HB2	1:B:86:LYS:HD2	0.42	1.92	10	1
1:A:23:LYS:HG3	1:B:14:THR:HG23	0.42	1.90	11	1
1:A:28:PHE:CZ	1:B:44:LEU:CD2	0.42	3.03	16	2
1:A:19:VAL:HG23	1:B:16:LEU:CG	0.42	2.45	16	1
1:A:33:THR:OG1	1:B:85:LEU:HG	0.42	2.13	16	1
1:B:33:THR:O	1:B:37:ALA:HB2	0.42	2.14	17	1
1:B:94:TYR:CD1	1:B:94:TYR:O	0.42	2.73	19	2
1:A:20:SER:OG	1:A:23:LYS:HB3	0.42	2.14	20	1
1:A:10:ILE:CG1	1:B:24:MET:O	0.42	2.68	21	1
1:A:33:THR:HG1	1:B:85:LEU:HB2	0.42	1.74	23	1
1:A:75:VAL:HG22	1:A:76:GLY:N	0.42	2.30	1	1
1:B:47:PHE:HA	1:B:83:GLU:H	0.42	1.74	2	1
1:B:92:LEU:O	1:B:93:LYS:HB2	0.42	2.15	22	6
1:A:1:MET:CA	1:A:5:GLU:HB3	0.42	2.45	4	3
1:B:21:VAL:CG2	1:B:22:SER:N	0.42	2.83	6	2
1:A:20:SER:HG	1:A:23:LYS:CA	0.42	2.27	6	1
1:A:36:VAL:HG11	1:B:85:LEU:HG	0.42	1.89	8	1
1:B:94:TYR:CE1	1:B:95:GLU:HG3	0.42	2.50	20	2
1:B:53:VAL:N	1:B:76:GLY:O	0.42	2.52	10	1
1:A:10:ILE:HG23	1:B:24:MET:CB	0.42	2.45	19	1
1:A:81:PRO:CB	1:B:77:VAL:HG13	0.42	2.45	23	1
1:A:3:LYS:HE2	1:A:26:ALA:HA	0.42	1.90	6	3
1:A:7:ILE:CG2	1:A:21:VAL:O	0.42	2.67	4	1
1:A:28:PHE:CD1	1:A:28:PHE:C	0.42	2.92	15	5
1:A:51:LYS:HG2	1:A:78:SER:CB	0.42	2.44	6	1
1:A:31:ILE:CG2	1:B:13:ASP:OD2	0.42	2.68	7	1
1:B:52:PRO:HB2	1:B:75:VAL:HG21	0.42	1.91	15	2
1:A:14:THR:CG2	1:B:19:VAL:CG2	0.42	2.97	10	1
1:A:37:ALA:HA	1:B:88:ALA:O	0.42	2.14	10	1
1:B:35:THR:CG2	1:B:40:ASP:O	0.42	2.68	11	1
1:B:51:LYS:O	1:B:51:LYS:CG	0.42	2.68	11	1
1:A:44:LEU:CD2	1:B:28:PHE:CE1	0.42	3.03	12	2
1:B:33:THR:O	1:B:37:ALA:HB3	0.42	2.15	14	1
1:B:7:ILE:CG1	1:B:25:LEU:HD12	0.42	2.44	22	1
1:A:14:THR:CB	1:A:16:LEU:CD1	0.42	2.98	1	1
1:A:77:VAL:O	1:A:77:VAL:HG13	0.42	2.14	2	2
1:A:42:VAL:HB	1:A:50:ILE:HD11	0.42	1.90	10	2
1:B:82:GLY:O	1:B:84:SER:N	0.42	2.49	7	1
1:B:28:PHE:CE1	1:B:32:ILE:CG1	0.42	3.02	8	1
1:A:25:LEU:CD1	1:A:29:GLU:OE2	0.42	2.68	11	1
1:A:8:LYS:O	1:A:12:GLN:CG	0.42	2.67	17	2

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:5:GLU:O	1:B:9:ALA:N	0.42	2.50	18	1
1:B:25:LEU:CD1	1:B:26:ALA:N	0.42	2.80	20	1
1:A:85:LEU:HA	1:B:33:THR:OG1	0.42	2.15	22	1
1:A:1:MET:HB2	1:B:42:VAL:HG12	0.42	1.92	23	1
1:A:90:GLU:OE1	1:A:94:TYR:CD2	0.42	2.73	17	2
1:A:20:SER:HB3	1:B:16:LEU:HD13	0.42	1.90	2	1
1:B:51:LYS:O	1:B:51:LYS:HG3	0.42	2.14	2	1
1:A:36:VAL:CG1	1:B:85:LEU:CD2	0.42	2.97	5	1
1:B:1:MET:HG2	1:B:5:GLU:CB	0.42	2.45	6	1
1:B:1:MET:HA	1:B:5:GLU:HB3	0.42	1.91	8	1
1:B:50:ILE:HG12	1:B:80:LYS:CG	0.42	2.45	9	2
1:B:28:PHE:CG	1:B:32:ILE:HD13	0.42	2.50	12	1
1:B:87:LYS:O	1:B:90:GLU:HB2	0.42	2.15	14	1
1:A:42:VAL:CG2	1:A:50:ILE:CG2	0.42	2.98	15	1
1:B:14:THR:O	1:B:16:LEU:N	0.42	2.53	16	1
1:A:78:SER:C	1:A:79:VAL:HG13	0.42	2.35	17	1
1:A:6:LEU:CD1	1:B:42:VAL:CG2	0.42	2.94	20	1
1:A:85:LEU:O	1:A:89:ALA:HB2	0.42	2.15	21	1
1:B:47:PHE:CZ	1:B:48:LEU:HB3	0.42	2.49	23	1
1:A:42:VAL:O	1:A:50:ILE:N	0.42	2.53	1	1
1:A:44:LEU:HD13	1:B:28:PHE:CE1	0.42	2.50	1	2
1:A:85:LEU:CD2	1:B:77:VAL:CG2	0.42	2.98	1	1
1:A:28:PHE:O	1:A:32:ILE:CB	0.42	2.68	4	1
1:A:85:LEU:O	1:A:88:ALA:CB	0.42	2.65	4	1
1:A:42:VAL:H	1:A:50:ILE:HD11	0.42	1.75	6	1
1:B:83:GLU:O	1:B:85:LEU:CA	0.42	2.67	6	1
1:A:23:LYS:O	1:A:27:SER:HB2	0.42	2.15	7	1
1:B:47:PHE:CZ	1:B:48:LEU:HD12	0.42	2.50	8	1
1:B:4:THR:O	1:B:7:ILE:CB	0.42	2.68	9	1
1:A:11:ALA:O	1:A:15:GLY:CA	0.42	2.68	10	1
1:A:37:ALA:HB2	1:B:88:ALA:HA	0.42	1.92	10	1
1:A:47:PHE:CA	1:A:82:GLY:HA3	0.42	2.45	15	1
1:B:43:GLN:HA	1:B:48:LEU:O	0.42	2.15	18	1
1:B:25:LEU:CD1	1:B:29:GLU:OE2	0.42	2.68	19	1
1:B:41:LYS:CG	1:B:51:LYS:CB	0.42	2.98	20	1
1:B:42:VAL:CG2	1:B:50:ILE:CG2	0.42	2.97	23	1
1:A:81:PRO:CG	1:B:77:VAL:O	0.41	2.69	3	1
1:A:8:LYS:HE3	1:A:8:LYS:N	0.41	2.29	9	1
1:B:47:PHE:CG	1:B:48:LEU:N	0.41	2.88	9	1
1:A:2:ASN:CB	1:B:43:GLN:O	0.41	2.68	12	2
1:A:20:SER:HB2	1:A:23:LYS:CB	0.41	2.45	19	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:75:VAL:N	1:B:94:TYR:CG	0.41	2.88	19	1
1:A:44:LEU:CB	1:A:48:LEU:HB2	0.41	2.46	2	1
1:A:1:MET:HA	1:A:5:GLU:HB3	0.41	1.93	23	2
1:A:88:ALA:HB2	1:B:33:THR:HA	0.41	1.92	4	1
1:A:47:PHE:HD1	1:A:85:LEU:HD12	0.41	1.74	7	1
1:A:1:MET:CG	1:A:5:GLU:CB	0.41	2.98	19	2
1:B:53:VAL:O	1:B:76:GLY:CA	0.41	2.68	15	1
1:A:20:SER:HG	1:A:23:LYS:HB3	0.41	1.75	18	1
1:A:7:ILE:HA	1:A:25:LEU:CD1	0.41	2.45	1	1
1:A:22:SER:O	1:A:26:ALA:HB3	0.41	2.15	1	1
1:A:36:VAL:HA	1:A:52:PRO:HG3	0.41	1.92	6	1
1:A:7:ILE:HG12	1:A:25:LEU:CG	0.41	2.45	9	1
1:B:23:LYS:O	1:B:27:SER:N	0.41	2.46	23	2
1:A:94:TYR:CE1	1:B:75:VAL:HA	0.41	2.50	14	1
1:B:36:VAL:HA	1:B:40:ASP:O	0.41	2.14	14	1
1:B:51:LYS:HD3	1:B:51:LYS:O	0.41	2.15	18	2
1:A:20:SER:CB	1:B:16:LEU:HD21	0.41	2.32	19	1
1:B:3:LYS:HD3	1:B:25:LEU:CD1	0.41	2.45	20	1
1:A:28:PHE:CE1	1:A:32:ILE:CG1	0.41	3.03	1	1
1:A:85:LEU:CD2	1:B:77:VAL:HG13	0.41	2.45	1	1
1:B:48:LEU:HD22	1:B:48:LEU:HA	0.41	1.69	11	2
1:A:24:MET:HB3	1:B:10:ILE:CG2	0.41	2.43	4	2
1:A:2:ASN:O	1:A:6:LEU:HB2	0.41	2.15	6	1
1:A:20:SER:OG	1:A:23:LYS:CE	0.41	2.68	7	1
1:A:48:LEU:HD22	1:B:50:ILE:HD11	0.41	1.92	7	1
1:A:6:LEU:CD2	1:B:31:ILE:HD12	0.41	2.46	9	1
1:A:24:MET:CB	1:B:10:ILE:HG13	0.41	2.45	9	1
1:B:44:LEU:HD12	1:B:47:PHE:CE2	0.41	2.51	9	1
1:A:4:THR:O	1:A:7:ILE:N	0.41	2.54	22	2
1:A:37:ALA:HB2	1:B:88:ALA:HB3	0.41	1.91	13	1
1:B:1:MET:HE3	1:B:6:LEU:HG	0.41	1.90	13	1
1:B:77:VAL:O	1:B:77:VAL:HG22	0.41	2.15	13	1
1:A:75:VAL:HG11	1:B:92:LEU:HD21	0.41	1.91	15	1
1:B:16:LEU:HD12	1:B:17:THR:HB	0.41	1.91	16	1
1:B:50:ILE:HB	1:B:80:LYS:CD	0.41	2.46	20	1
1:A:29:GLU:CG	1:B:47:PHE:HE2	0.41	2.29	2	1
1:A:2:ASN:CA	1:A:6:LEU:HD12	0.41	2.45	4	2
1:B:47:PHE:CD2	1:B:85:LEU:HD11	0.41	2.51	6	1
1:A:33:THR:HA	1:A:36:VAL:HG21	0.41	1.92	7	1
1:B:45:THR:HG23	1:B:47:PHE:HD1	0.41	1.74	7	1
1:B:76:GLY:C	1:B:77:VAL:CG2	0.41	2.89	7	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:32:ILE:HG21	1:B:47:PHE:HZ	0.41	1.71	9	1
1:B:7:ILE:HG22	1:B:21:VAL:O	0.41	2.15	12	1
1:B:50:ILE:HA	1:B:79:VAL:O	0.41	2.15	15	1
1:A:35:THR:CG2	1:A:40:ASP:O	0.41	2.69	16	1
1:A:30:LYS:HA	1:A:34:GLU:HG3	0.41	1.93	20	1
1:B:90:GLU:HG2	1:B:91:GLY:N	0.41	2.31	20	1
1:A:11:ALA:O	1:A:15:GLY:HA2	0.41	2.15	23	1
1:A:77:VAL:CG2	1:B:85:LEU:HG	0.41	2.45	23	1
1:A:94:TYR:CB	1:B:75:VAL:CG1	0.41	2.98	23	1
1:A:10:ILE:O	1:A:14:THR:CG2	0.41	2.69	7	2
1:A:48:LEU:HD23	1:A:48:LEU:HA	0.41	1.63	2	3
1:B:85:LEU:O	1:B:88:ALA:CB	0.41	2.68	4	1
1:B:44:LEU:HB2	1:B:47:PHE:CE1	0.41	2.50	6	1
1:A:17:THR:CG2	1:B:17:THR:CG2	0.41	2.98	7	1
1:A:50:ILE:HD12	1:A:50:ILE:C	0.41	2.35	9	1
1:A:3:LYS:HD2	1:B:45:THR:HB	0.41	1.92	11	1
1:A:94:TYR:HE1	1:B:75:VAL:CB	0.41	2.28	11	1
1:A:9:ALA:O	1:A:13:ASP:HB2	0.41	2.16	16	4
1:B:1:MET:CA	1:B:5:GLU:HB2	0.41	2.45	14	1
1:B:3:LYS:O	1:B:7:ILE:CG1	0.41	2.69	17	1
1:B:80:LYS:N	1:B:81:PRO:CD	0.41	2.83	20	1
1:A:43:GLN:N	1:B:1:MET:O	0.41	2.52	22	1
1:A:88:ALA:HB3	1:B:37:ALA:CB	0.41	2.45	3	2
1:A:49:ASN:HB3	1:A:81:PRO:CD	0.41	2.46	4	1
1:A:37:ALA:C	1:B:92:LEU:CB	0.41	2.89	5	1
1:B:93:LYS:O	1:B:97:PHE:CE2	0.41	2.73	7	1
1:A:45:THR:HG22	1:A:47:PHE:CE1	0.41	2.51	9	1
1:B:85:LEU:HB3	1:B:88:ALA:CB	0.41	2.42	10	1
1:B:79:VAL:O	1:B:80:LYS:HB3	0.41	2.16	13	1
1:B:45:THR:O	1:B:45:THR:OG1	0.41	2.37	14	1
1:A:7:ILE:HG13	1:A:25:LEU:CG	0.41	2.45	15	1
1:A:25:LEU:HG	1:A:26:ALA:H	0.41	1.74	16	1
1:A:90:GLU:HA	1:A:94:TYR:HB3	0.41	1.91	20	1
1:B:2:ASN:N	1:B:5:GLU:HB2	0.41	2.30	20	1
1:B:36:VAL:HG23	1:B:52:PRO:CG	0.41	2.46	20	1
1:B:4:THR:O	1:B:7:ILE:N	0.41	2.53	21	1
1:A:81:PRO:O	1:A:83:GLU:N	0.41	2.54	1	1
1:A:7:ILE:CG2	1:A:25:LEU:HD12	0.41	2.45	5	1
1:A:91:GLY:C	1:A:93:LYS:H	0.41	2.18	6	1
1:B:49:ASN:HB3	1:B:81:PRO:CD	0.41	2.44	6	1
1:A:81:PRO:HG3	1:B:77:VAL:O	0.41	2.16	7	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:14:THR:CG2	1:B:20:SER:HG	0.41	2.29	11	1
1:A:16:LEU:CB	1:B:19:VAL:HG23	0.41	2.42	14	1
1:A:14:THR:HG21	1:B:24:MET:CB	0.41	2.46	18	2
1:A:82:GLY:C	1:A:84:SER:H	0.41	2.18	19	1
1:A:83:GLU:HA	1:A:86:LYS:HB2	0.41	1.93	21	1
1:A:44:LEU:CG	1:A:48:LEU:HB2	0.41	2.45	22	1
1:B:45:THR:O	1:B:84:SER:CB	0.41	2.68	23	1
1:B:1:MET:CE	1:B:6:LEU:CD2	0.41	2.99	10	4
1:A:1:MET:SD	1:B:42:VAL:HG22	0.41	2.55	2	1
1:A:34:GLU:O	1:A:37:ALA:N	0.41	2.54	3	1
1:B:20:SER:C	1:B:22:SER:H	0.41	2.15	3	1
1:B:85:LEU:O	1:B:89:ALA:HB2	0.41	2.16	3	1
1:B:92:LEU:O	1:B:93:LYS:HG2	0.41	2.16	5	1
1:A:42:VAL:H	1:A:50:ILE:CD1	0.41	2.29	6	1
1:A:47:PHE:CD2	1:B:33:THR:OG1	0.41	2.73	6	1
1:A:89:ALA:HA	1:B:37:ALA:HB1	0.41	1.91	6	1
1:A:13:ASP:CB	1:B:27:SER:OG	0.41	2.69	22	2
1:A:42:VAL:CG1	1:B:6:LEU:CD1	0.41	2.95	9	1
1:A:51:LYS:CE	1:A:78:SER:CB	0.41	2.99	9	1
1:A:79:VAL:C	1:A:80:LYS:HG3	0.41	2.36	9	1
1:B:89:ALA:HA	1:B:92:LEU:CD2	0.41	2.45	9	1
1:B:34:GLU:O	1:B:37:ALA:HB3	0.41	2.15	11	1
1:B:48:LEU:HD23	1:B:48:LEU:HA	0.41	1.73	12	1
1:B:3:LYS:CE	1:B:29:GLU:HB3	0.41	2.45	13	1
1:B:47:PHE:CB	1:B:84:SER:CB	0.41	2.99	19	2
1:B:52:PRO:HB2	1:B:75:VAL:HG11	0.41	1.93	13	1
1:A:45:THR:HG22	1:B:29:GLU:CG	0.41	2.46	14	1
1:A:75:VAL:HB	1:B:94:TYR:CD1	0.41	2.50	14	1
1:A:94:TYR:CD1	1:B:75:VAL:HA	0.41	2.51	14	1
1:A:94:TYR:CD2	1:A:95:GLU:N	0.41	2.88	15	1
1:A:4:THR:O	1:A:7:ILE:HG22	0.41	2.16	17	1
1:A:80:LYS:HG2	1:A:81:PRO:N	0.41	2.30	17	1
1:A:33:THR:HG1	1:B:85:LEU:HD12	0.41	1.74	18	1
1:A:35:THR:HA	1:A:38:LYS:CB	0.41	2.46	18	1
1:A:3:LYS:HD3	1:A:25:LEU:CD1	0.41	2.46	19	1
1:B:6:LEU:C	1:B:25:LEU:CD1	0.41	2.89	21	1
1:A:36:VAL:HB	1:B:85:LEU:CD2	0.41	2.46	22	1
1:A:51:LYS:O	1:A:51:LYS:HD3	0.41	2.16	22	1
1:A:85:LEU:CD2	1:B:32:ILE:HG22	0.41	2.46	22	1
1:B:51:LYS:HG3	1:B:78:SER:HB3	0.41	1.93	1	1
1:A:1:MET:HE3	1:A:6:LEU:HG	0.41	1.93	4	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:24:MET:HA	1:A:27:SER:OG	0.41	2.15	4	1
1:B:47:PHE:CD2	1:B:85:LEU:HB2	0.41	2.51	8	1
1:B:48:LEU:HA	1:B:80:LYS:C	0.41	2.36	9	1
1:A:42:VAL:HB	1:A:50:ILE:CD1	0.41	2.45	10	1
1:A:35:THR:HG21	1:A:42:VAL:HB	0.41	1.92	13	1
1:B:89:ALA:C	1:B:91:GLY:N	0.41	2.74	13	1
1:B:75:VAL:CG1	1:B:76:GLY:N	0.41	2.84	18	1
1:B:7:ILE:CG2	1:B:22:SER:HA	0.41	2.46	19	1
1:B:7:ILE:CD1	1:B:22:SER:HA	0.41	2.46	22	1
1:A:36:VAL:HG11	1:B:85:LEU:CB	0.40	2.46	1	1
1:A:42:VAL:CB	1:A:50:ILE:CG1	0.40	2.99	9	1
1:A:27:SER:OG	1:B:13:ASP:HB3	0.40	2.17	10	1
1:A:19:VAL:HG23	1:B:16:LEU:CB	0.40	2.42	11	1
1:A:47:PHE:CD1	1:A:85:LEU:HD11	0.40	2.42	13	1
1:A:43:GLN:HG3	1:B:1:MET:O	0.40	2.16	14	1
1:A:84:SER:OG	1:B:77:VAL:HG23	0.40	2.16	19	1
1:A:43:GLN:HA	1:A:48:LEU:O	0.40	2.15	21	1
1:A:50:ILE:HG22	1:A:79:VAL:HG21	0.40	1.90	3	1
1:A:85:LEU:O	1:A:88:ALA:CA	0.40	2.69	4	1
1:A:91:GLY:O	1:A:93:LYS:N	0.40	2.55	4	1
1:A:24:MET:CB	1:B:10:ILE:CG1	0.40	2.98	6	1
1:A:53:VAL:N	1:A:75:VAL:CG2	0.40	2.84	6	1
1:A:44:LEU:CD1	1:A:48:LEU:HB3	0.40	2.46	7	1
1:A:6:LEU:CD1	1:B:44:LEU:HD21	0.40	2.46	9	1
1:B:92:LEU:O	1:B:92:LEU:CG	0.40	2.69	10	1
1:A:24:MET:CE	1:A:25:LEU:HB3	0.40	2.45	11	1
1:A:79:VAL:CB	1:B:81:PRO:HD3	0.40	2.46	11	1
1:B:20:SER:C	1:B:24:MET:CG	0.40	2.90	14	1
1:A:24:MET:SD	1:A:25:LEU:HD23	0.40	2.56	15	1
1:B:11:ALA:O	1:B:15:GLY:N	0.40	2.54	15	1
1:A:49:ASN:HB3	1:A:81:PRO:CG	0.40	2.45	17	1
1:A:36:VAL:HA	1:A:40:ASP:CB	0.40	2.46	20	1
1:A:47:PHE:HB2	1:A:85:LEU:CD1	0.40	2.46	22	1
1:A:47:PHE:CD2	1:B:29:GLU:HG2	0.40	2.51	23	1
1:A:37:ALA:CA	1:B:89:ALA:HA	0.40	2.46	1	1
1:B:27:SER:O	1:B:30:LYS:N	0.40	2.54	2	1
1:B:33:THR:HG22	1:B:34:GLU:N	0.40	2.31	3	2
1:A:20:SER:HB3	1:A:23:LYS:HB3	0.40	1.92	4	1
1:B:7:ILE:O	1:B:11:ALA:HB2	0.40	2.17	7	1
1:A:27:SER:O	1:A:30:LYS:N	0.40	2.54	10	1
1:A:43:GLN:C	1:A:44:LEU:HD23	0.40	2.36	11	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:1:MET:O	1:A:2:ASN:HB3	0.40	2.17	13	1
1:A:54:ALA:CB	1:A:75:VAL:HA	0.40	2.47	14	1
1:A:27:SER:CB	1:B:13:ASP:HB3	0.40	2.46	15	1
1:A:21:VAL:HA	1:A:24:MET:HE1	0.40	1.92	17	1
1:B:30:LYS:O	1:B:34:GLU:HG2	0.40	2.14	22	1
1:A:77:VAL:CG1	1:B:85:LEU:HD21	0.40	2.45	23	1
1:B:25:LEU:O	1:B:28:PHE:HB3	0.40	2.16	1	1
1:B:3:LYS:HG2	1:B:29:GLU:OE1	0.40	2.15	3	1
1:A:94:TYR:HE1	1:B:54:ALA:HA	0.40	1.76	9	1
1:B:54:ALA:CA	1:B:75:VAL:CA	0.40	2.95	10	1
1:A:8:LYS:O	1:A:12:GLN:HB3	0.40	2.17	15	1
1:A:50:ILE:CG2	1:A:77:VAL:CG2	0.40	2.99	15	1
1:B:50:ILE:HG12	1:B:80:LYS:HG2	0.40	1.92	15	1
1:A:40:ASP:OD1	1:A:50:ILE:CG2	0.40	2.68	19	1
1:B:48:LEU:HD13	1:B:49:ASN:H	0.40	1.75	19	1
1:A:25:LEU:O	1:A:29:GLU:OE1	0.40	2.39	3	1
1:A:39:GLY:HA3	1:B:97:PHE:CE1	0.40	2.51	7	1
1:B:50:ILE:CB	1:B:80:LYS:HG2	0.40	2.47	9	1
1:A:3:LYS:CD	1:A:29:GLU:OE1	0.40	2.70	11	1
1:B:48:LEU:CD2	1:B:80:LYS:O	0.40	2.70	14	1
1:A:5:GLU:O	1:A:8:LYS:HG3	0.40	2.17	15	1
1:A:77:VAL:HG12	1:A:79:VAL:HG13	0.40	1.89	19	1
1:A:84:SER:HA	1:B:77:VAL:HG21	0.40	1.92	19	1
1:A:83:GLU:O	1:A:87:LYS:N	0.40	2.40	20	1
1:B:52:PRO:CB	1:B:75:VAL:CG1	0.40	2.99	20	1
1:B:33:THR:HA	1:B:36:VAL:HG21	0.40	1.94	23	1

6.3 Torsion angles [i](#)

6.3.1 Protein backbone [i](#)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	74/99 (75%)	54±2 (72±3%)	12±2 (17±3%)	8±2 (11±3%)	1	8
1	B	76/99 (77%)	55±3 (72±3%)	13±2 (18±3%)	8±2 (10±2%)	1	9
All	All	3450/4554 (76%)	2494 (72%)	591 (17%)	365 (11%)	1	9

All 52 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	19	VAL	23
1	A	21	VAL	23
1	B	19	VAL	23
1	B	21	VAL	23
1	B	45	THR	23
1	A	79	VAL	22
1	A	45	THR	21
1	B	79	VAL	20
1	B	77	VAL	20
1	A	77	VAL	19
1	B	75	VAL	16
1	A	75	VAL	15
1	B	84	SER	9
1	B	85	LEU	9
1	A	93	LYS	7
1	A	84	SER	6
1	A	85	LEU	6
1	A	95	GLU	6
1	B	2	ASN	6
1	A	81	PRO	5
1	A	53	VAL	5
1	B	78	SER	4
1	A	78	SER	3
1	A	82	GLY	3
1	B	39	GLY	3
1	A	3	LYS	3
1	B	3	LYS	3
1	B	82	GLY	3
1	A	17	THR	3
1	A	54	ALA	3
1	B	16	LEU	2
1	A	80	LYS	2
1	B	81	PRO	2
1	B	94	TYR	2
1	B	80	LYS	2
1	A	94	TYR	2
1	A	2	ASN	2
1	A	41	LYS	2
1	A	92	LEU	1
1	B	95	GLU	1
1	B	96	ASP	1

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Models (Total)
1	B	97	PHE	1
1	A	46	GLY	1
1	B	47	PHE	1
1	B	41	LYS	1
1	B	93	LYS	1
1	A	42	VAL	1
1	A	83	GLU	1
1	B	92	LEU	1
1	A	40	ASP	1
1	B	44	LEU	1
1	B	54	ALA	1

6.3.2 Protein sidechains [i](#)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	62/81 (77%)	38±3 (62±5%)	24±3 (38±5%)	0 6
1	B	64/81 (79%)	39±2 (60±4%)	25±2 (40±4%)	0 5
All	All	2898/3726 (78%)	1771 (61%)	1127 (39%)	0 6

All 106 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	17	THR	23
1	B	17	THR	23
1	B	33	THR	23
1	B	40	ASP	22
1	A	24	MET	21
1	A	40	ASP	21
1	B	28	PHE	21
1	A	33	THR	20
1	B	97	PHE	20
1	A	28	PHE	19
1	A	78	SER	19
1	A	14	THR	19
1	A	7	ILE	18

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Models (Total)
1	A	20	SER	18
1	A	45	THR	18
1	B	3	LYS	18
1	B	24	MET	18
1	B	45	THR	18
1	B	80	LYS	18
1	B	92	LEU	18
1	A	92	LEU	17
1	B	7	ILE	17
1	B	8	LYS	17
1	B	38	LYS	17
1	B	20	SER	16
1	B	85	LEU	16
1	A	75	VAL	16
1	A	85	LEU	16
1	B	96	ASP	16
1	A	38	LYS	15
1	B	78	SER	15
1	B	25	LEU	15
1	A	80	LYS	14
1	B	14	THR	14
1	B	84	SER	14
1	A	84	SER	14
1	A	93	LYS	13
1	A	23	LYS	13
1	A	90	GLU	13
1	B	94	TYR	13
1	A	86	LYS	13
1	A	3	LYS	12
1	A	5	GLU	12
1	A	8	LYS	12
1	B	5	GLU	12
1	B	31	ILE	12
1	B	93	LYS	12
1	A	29	GLU	12
1	A	25	LEU	11
1	A	51	LYS	11
1	B	23	LYS	11
1	B	48	LEU	11
1	B	51	LYS	11
1	B	75	VAL	11
1	A	19	VAL	10

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Models (Total)
1	B	29	GLU	10
1	A	48	LEU	10
1	B	19	VAL	10
1	A	94	TYR	9
1	B	49	ASN	9
1	B	41	LYS	9
1	A	16	LEU	9
1	A	41	LYS	8
1	A	49	ASN	8
1	B	87	LYS	8
1	A	87	LYS	7
1	B	36	VAL	7
1	B	90	GLU	7
1	A	50	ILE	7
1	B	47	PHE	7
1	A	13	ASP	7
1	B	16	LEU	7
1	B	43	GLN	7
1	A	31	ILE	7
1	B	10	ILE	7
1	A	10	ILE	6
1	A	36	VAL	6
1	B	83	GLU	6
1	A	79	VAL	6
1	B	50	ILE	6
1	A	22	SER	5
1	A	83	GLU	5
1	B	86	LYS	5
1	A	1	MET	5
1	B	22	SER	4
1	A	12	GLN	4
1	B	1	MET	4
1	B	2	ASN	4
1	B	13	ASP	3
1	B	79	VAL	3
1	A	43	GLN	3
1	A	47	PHE	3
1	B	6	LEU	2
1	A	30	LYS	2
1	B	12	GLN	2
1	A	34	GLU	2
1	A	6	LEU	2

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Models (Total)
1	A	2	ASN	2
1	A	95	GLU	1
1	A	35	THR	1
1	B	27	SER	1
1	B	42	VAL	1
1	B	21	VAL	1
1	B	95	GLU	1
1	B	32	ILE	1
1	B	34	GLU	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation

No chemical shift data were provided