Full wwPDB EM Validation Report

Mar 6, 2026 – 02:06 PM UTC

PDB ID	:	6WH3 / pdb_00006wh3
EMDB ID	:	EMD-21667
Title	:	Capsid structure of Penaeus monodon metallodensovirus at pH 8.2
Authors	:	Penzes, J.J.; Pham, H.T.; Chipman, P.; Bhattacharya, N.; McKenna, R.; Agbandje-McKenna, M.; Tijssen, P.
Deposited on	:	2020-04-07
Resolution	:	2.96 Å(reported)

This is a Full wwPDB EM 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/EMValidationReportHelp
with specific help available everywhere you see the ⓘ symbol.

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

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

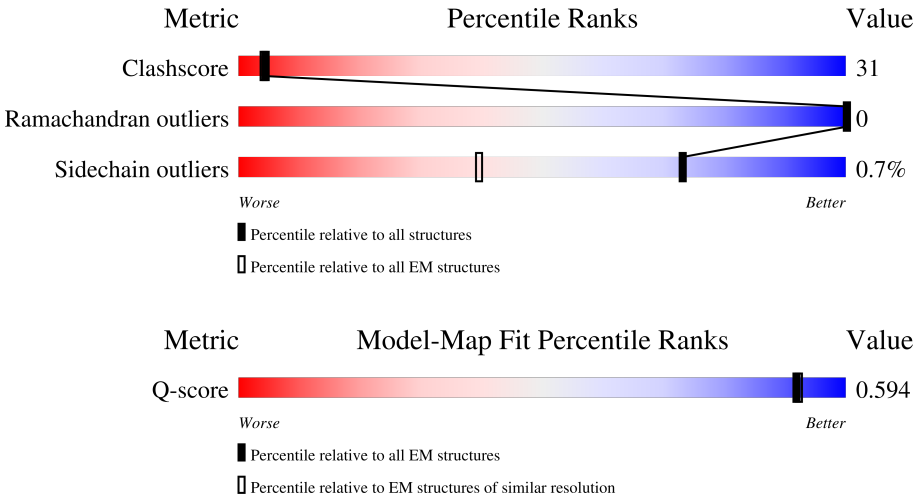
EMDB validation analysis	:	0.0.1.dev132
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
EM percentile statistics	:	202505.v01 (Using data in the EMDB archive up until May 2025)
MapQ	:	1.9.13
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

1 Overall quality at a glance

The following experimental techniques were used to determine the structure:
ELECTRON MICROSCOPY

The reported resolution of this entry is 2.96 Å.

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)	EM structures (#Entries)	Similar EM resolution (#Entries, resolution range(Å))
Clashscore	229148	23984	-
Ramachandran outliers	224038	23583	-
Sidechain outliers	223484	23102	-
Q-score	-	25397	13155 (2.46 - 3.46)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the map. The red, orange, yellow and green segments of the bar indicate the fraction of residues that contain outliers for >=3, 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions <=5% The upper red bar (where present) indicates the fraction of residues that have poor fit to the EM map (all-atom inclusion < 40%). The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	1	369	46% 44% • 9%
1	2	369	45% 44% • 9%
1	3	369	46% 44% • 9%
1	4	369	45% 44% • 9%

Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
1	5	369	45% 44% • 9%
1	6	369	46% 43% • 9%
1	7	369	46% 43% • 9%
1	8	369	46% 44% • 9%
1	A	369	46% 44% • 9%
1	B	369	46% 44% • 9%
1	C	369	46% 43% • 9%
1	D	369	46% 44% • 9%
1	E	369	46% 43% • 9%
1	F	369	46% 43% • 9%
1	G	369	46% 43% • 9%
1	H	369	46% 44% • 9%
1	I	369	46% 44% • 9%
1	J	369	47% 43% • 9%
1	K	369	46% 43% • 9%
1	L	369	45% 44% • 9%
1	M	369	46% 44% • 9%
1	N	369	46% 44% • 9%
1	O	369	46% 44% • 9%
1	P	369	46% 44% • 9%
1	Q	369	46% 44% • 9%
1	R	369	46% 43% • 9%
1	S	369	46% 44% • 9%
1	T	369	46% 44% • 9%
1	U	369	46% 44% • 9%

Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
1	V	369	45% 44% • 9%
1	W	369	46% 44% • 9%
1	X	369	46% 44% • 9%
1	Y	369	46% 44% • 9%
1	Z	369	46% 43% • 9%
1	a	369	45% 44% • 9%
1	b	369	46% 44% • 9%
1	c	369	46% 44% • 9%
1	d	369	46% 44% • 9%
1	e	369	46% 44% • 9%
1	f	369	46% 43% • 9%
1	g	369	46% 43% • 9%
1	h	369	46% 44% • 9%
1	i	369	46% 44% • 9%
1	j	369	47% 43% • 9%
1	k	369	46% 44% • 9%
1	l	369	46% 43% • 9%
1	m	369	45% 44% • 9%
1	n	369	46% 43% • 9%
1	o	369	45% 44% • 9%
1	p	369	46% 44% • 9%
1	q	369	46% 43% • 9%
1	r	369	46% 44% • 9%
1	s	369	46% 44% • 9%
1	t	369	46% 44% • 9%

Continued on next page...

Continued from previous page...

Mol	Chain	Length	Quality of chain
1	u	369	46% 43% • 9%
1	v	369	46% 44% • 9%
1	w	369	46% 44% • 9%
1	x	369	46% 44% • 9%
1	y	369	46% 44% • 9%
1	z	369	46% 44% • 9%

2 Entry composition (i)

There are 2 unique types of molecules in this entry. The entry contains 157740 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called Penaeus monodon metallodensovirus major capsid protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	A	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	B	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	C	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	D	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	E	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	F	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	G	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	H	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	I	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	J	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	K	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	L	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	M	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	N	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	O	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	P	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	Q	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms					AltConf	Trace
1	R	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	S	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	T	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	U	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	V	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	W	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	X	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	Y	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	Z	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	8	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	7	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	6	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	5	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	4	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	3	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	a	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	b	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	c	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	d	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	e	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	f	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms					AltConf	Trace
1	g	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	h	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	i	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	j	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	k	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	l	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	m	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	n	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	o	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	p	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	q	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	r	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	s	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	t	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	u	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	v	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	w	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	x	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	y	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	z	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		
1	1	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms					AltConf	Trace
1	2	334	Total	C	N	O	S	0	0
			2628	1659	453	502	14		

- Molecule 2 is CALCIUM ION (CCD ID: CA) (formula: Ca) (labeled as "Ligand of Interest" by depositor).

Mol	Chain	Residues	Atoms		AltConf
2	A	1	Total	Ca	0
			1	1	
2	B	1	Total	Ca	0
			1	1	
2	C	1	Total	Ca	0
			1	1	
2	D	1	Total	Ca	0
			1	1	
2	E	1	Total	Ca	0
			1	1	
2	F	1	Total	Ca	0
			1	1	
2	G	1	Total	Ca	0
			1	1	
2	H	1	Total	Ca	0
			1	1	
2	I	1	Total	Ca	0
			1	1	
2	J	1	Total	Ca	0
			1	1	
2	K	1	Total	Ca	0
			1	1	
2	L	1	Total	Ca	0
			1	1	
2	M	1	Total	Ca	0
			1	1	
2	N	1	Total	Ca	0
			1	1	
2	O	1	Total	Ca	0
			1	1	
2	P	1	Total	Ca	0
			1	1	
2	Q	1	Total	Ca	0
			1	1	
2	R	1	Total	Ca	0
			1	1	

Continued on next page...

Continued from previous page...

Mol	Chain	Residues	Atoms	AltConf
2	S	1	Total Ca 1 1	0
2	T	1	Total Ca 1 1	0
2	U	1	Total Ca 1 1	0
2	V	1	Total Ca 1 1	0
2	W	1	Total Ca 1 1	0
2	X	1	Total Ca 1 1	0
2	Y	1	Total Ca 1 1	0
2	Z	1	Total Ca 1 1	0
2	8	1	Total Ca 1 1	0
2	7	1	Total Ca 1 1	0
2	6	1	Total Ca 1 1	0
2	5	1	Total Ca 1 1	0
2	4	1	Total Ca 1 1	0
2	3	1	Total Ca 1 1	0
2	a	1	Total Ca 1 1	0
2	b	1	Total Ca 1 1	0
2	c	1	Total Ca 1 1	0
2	d	1	Total Ca 1 1	0
2	e	1	Total Ca 1 1	0
2	f	1	Total Ca 1 1	0
2	g	1	Total Ca 1 1	0

Continued on next page...

Continued from previous page...

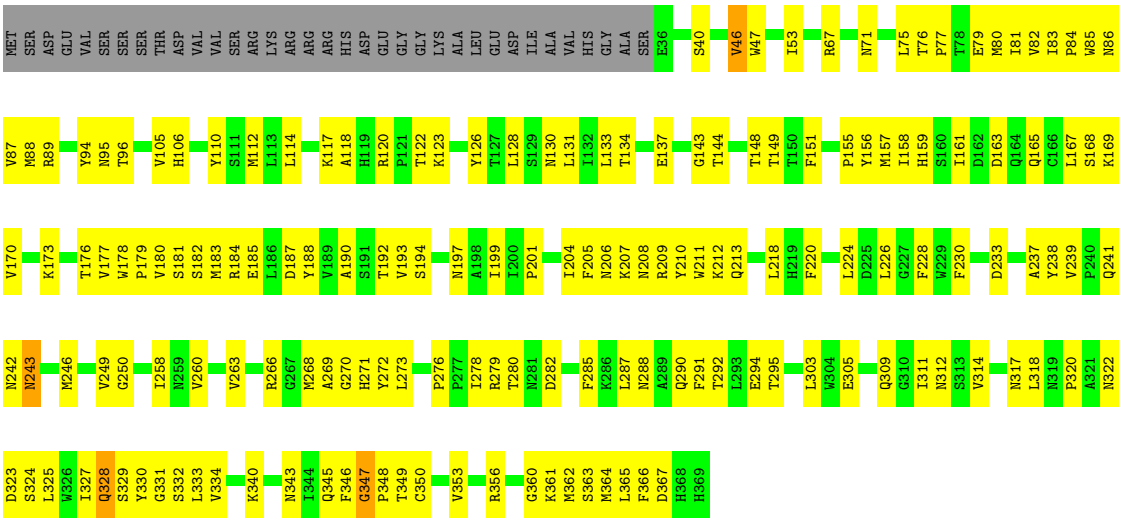
Mol	Chain	Residues	Atoms	AltConf
2	h	1	Total Ca 1 1	0
2	i	1	Total Ca 1 1	0
2	j	1	Total Ca 1 1	0
2	k	1	Total Ca 1 1	0
2	l	1	Total Ca 1 1	0
2	m	1	Total Ca 1 1	0
2	n	1	Total Ca 1 1	0
2	o	1	Total Ca 1 1	0
2	p	1	Total Ca 1 1	0
2	q	1	Total Ca 1 1	0
2	r	1	Total Ca 1 1	0
2	s	1	Total Ca 1 1	0
2	t	1	Total Ca 1 1	0
2	u	1	Total Ca 1 1	0
2	v	1	Total Ca 1 1	0
2	w	1	Total Ca 1 1	0
2	x	1	Total Ca 1 1	0
2	y	1	Total Ca 1 1	0
2	z	1	Total Ca 1 1	0
2	1	1	Total Ca 1 1	0
2	2	1	Total Ca 1 1	0

3 Residue-property plots (i)

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and atom inclusion in map density. Residues are color-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. A red diamond above a residue indicates a poor fit to the EM map for this residue (all-atom inclusion < 40%). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

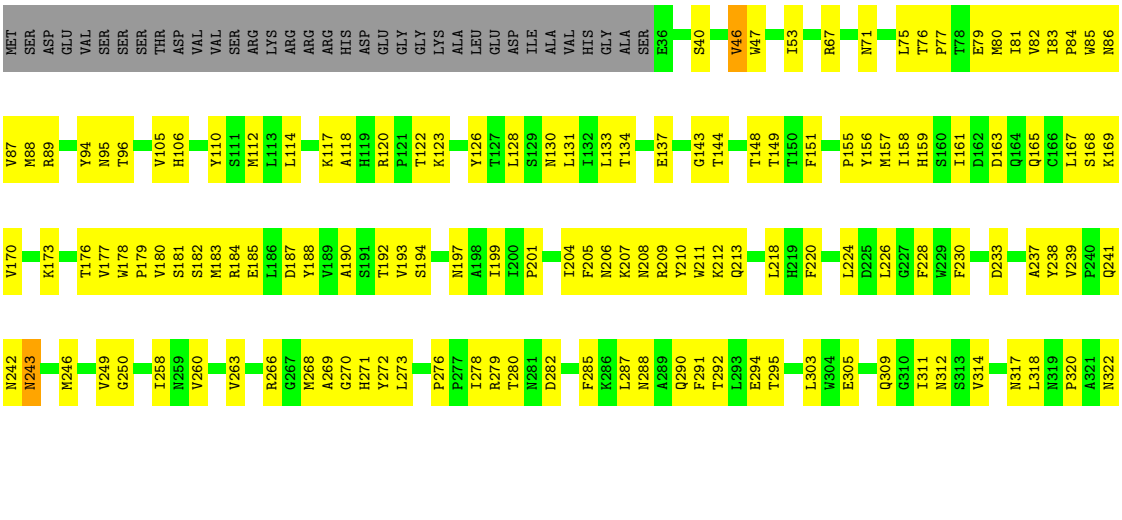
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain A:



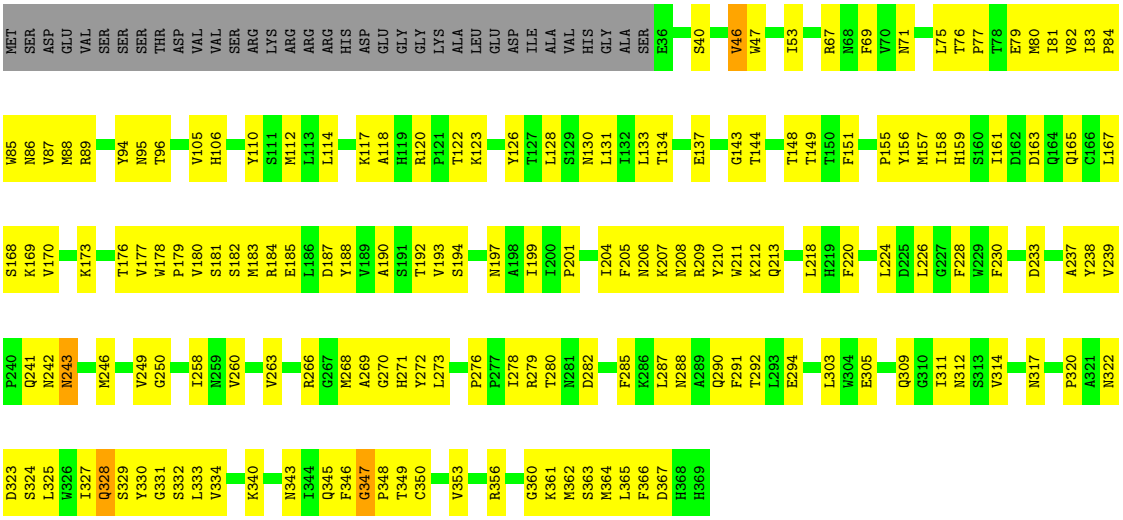
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain B:



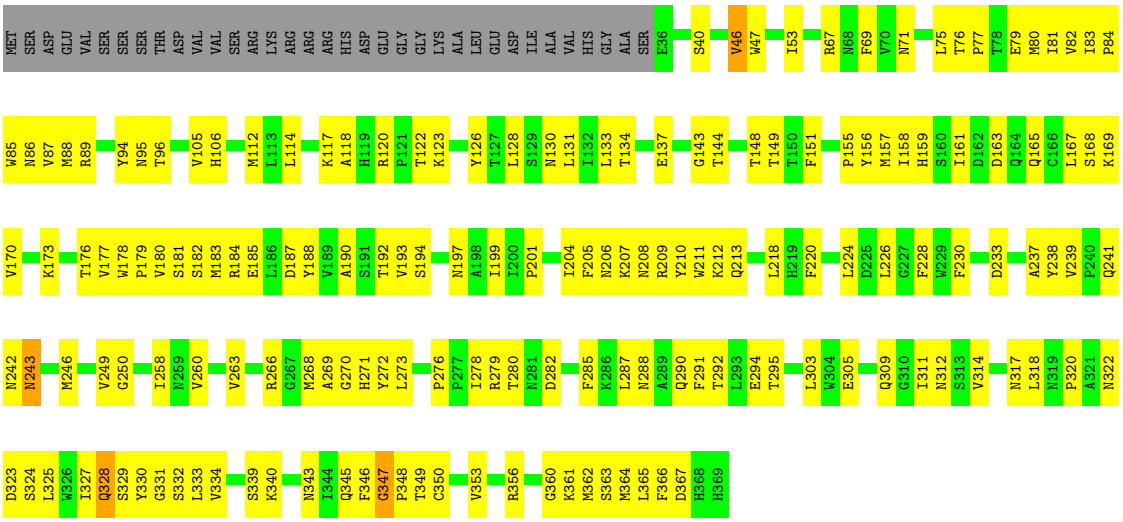
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain C:



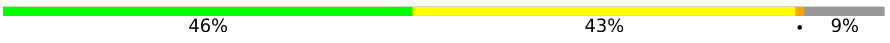
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

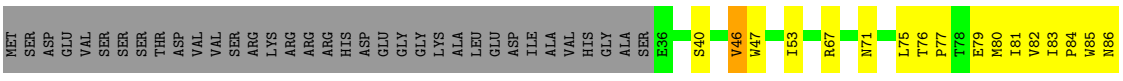
Chain D:

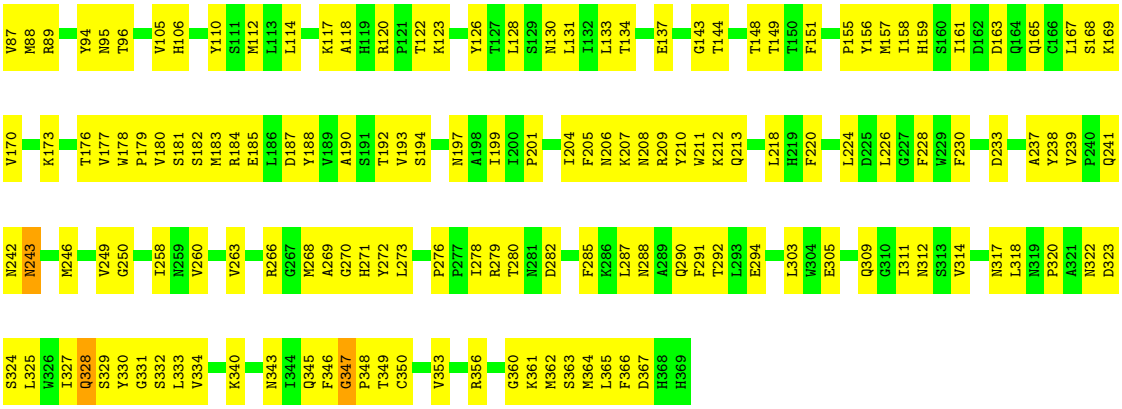


• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain E:

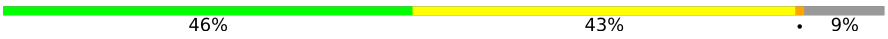


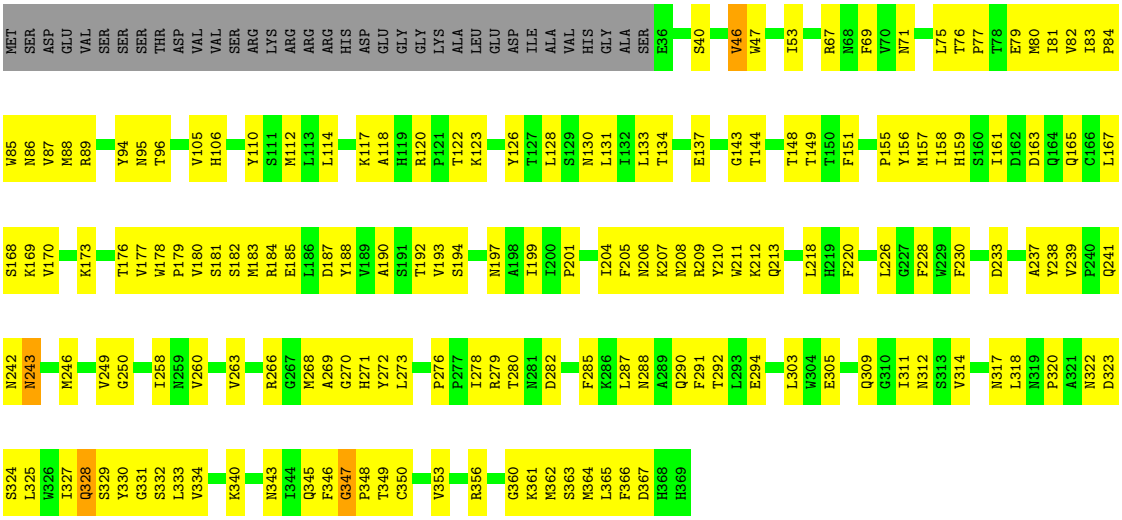




• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

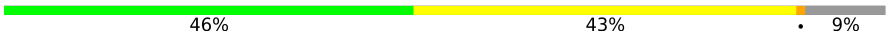
Chain F:

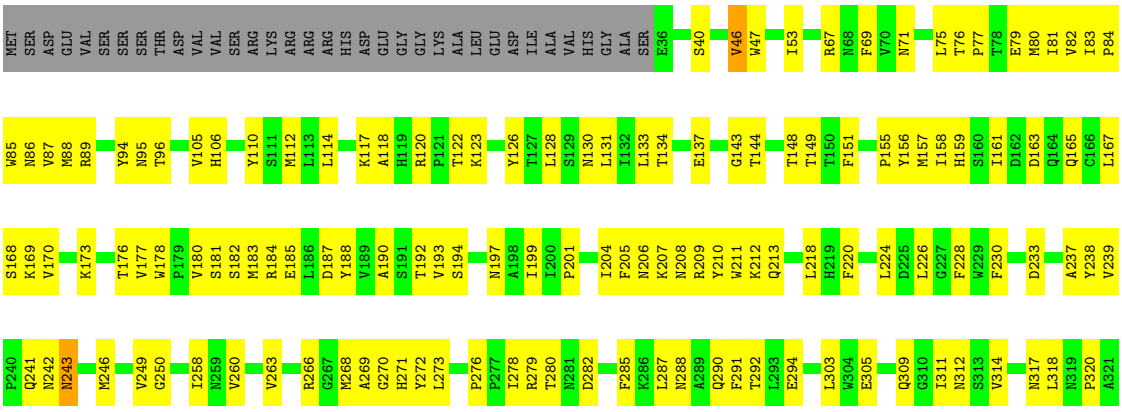


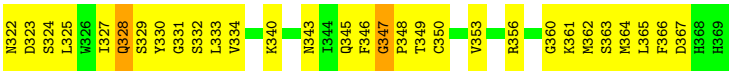


• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain G:

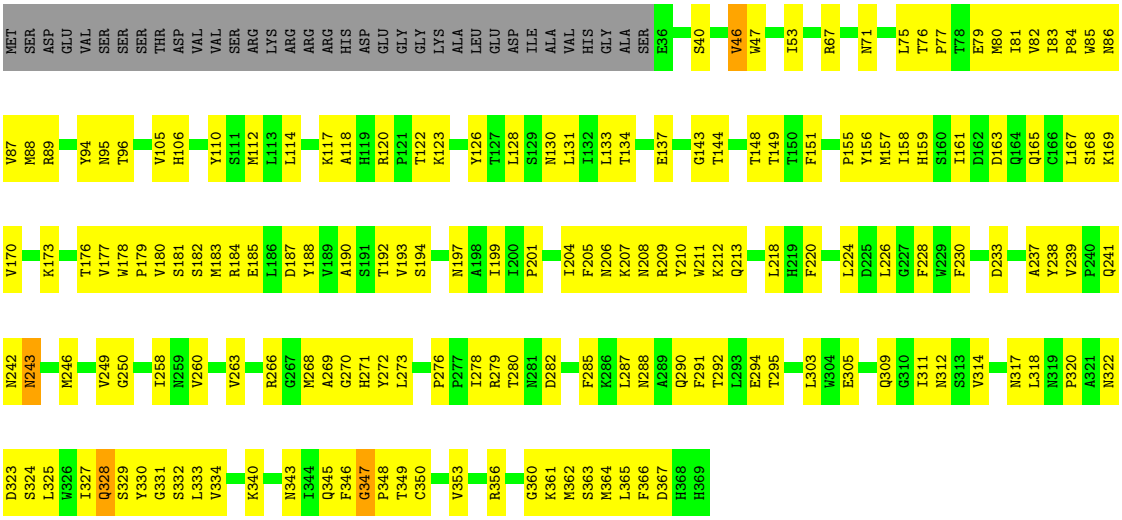






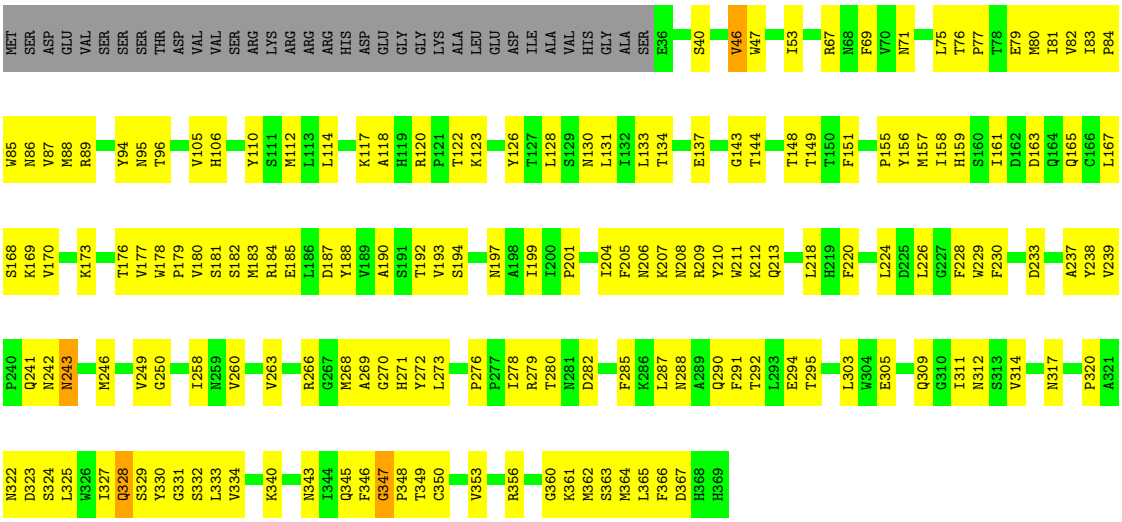
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain H:



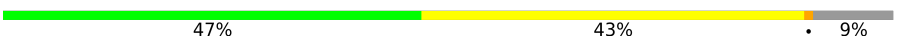
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

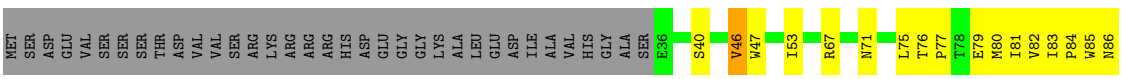
Chain I:

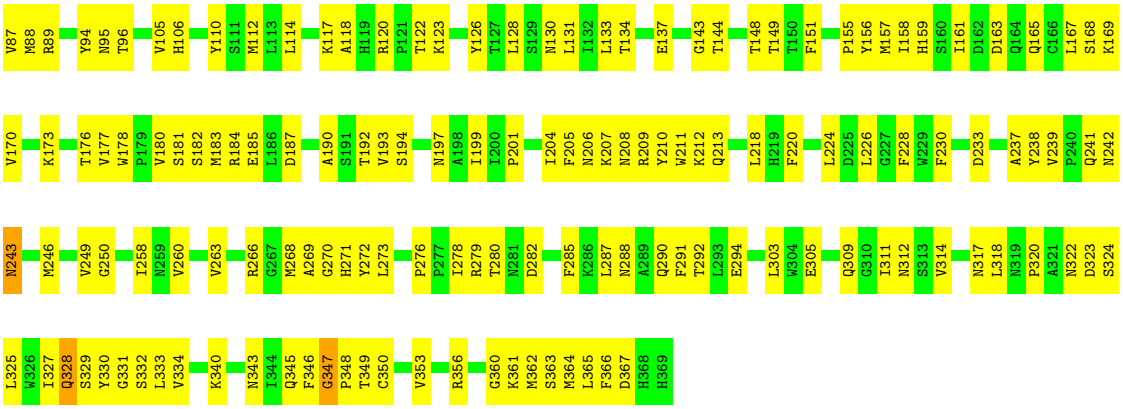


• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain J:

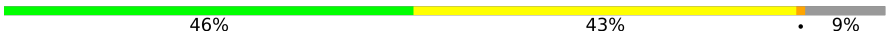


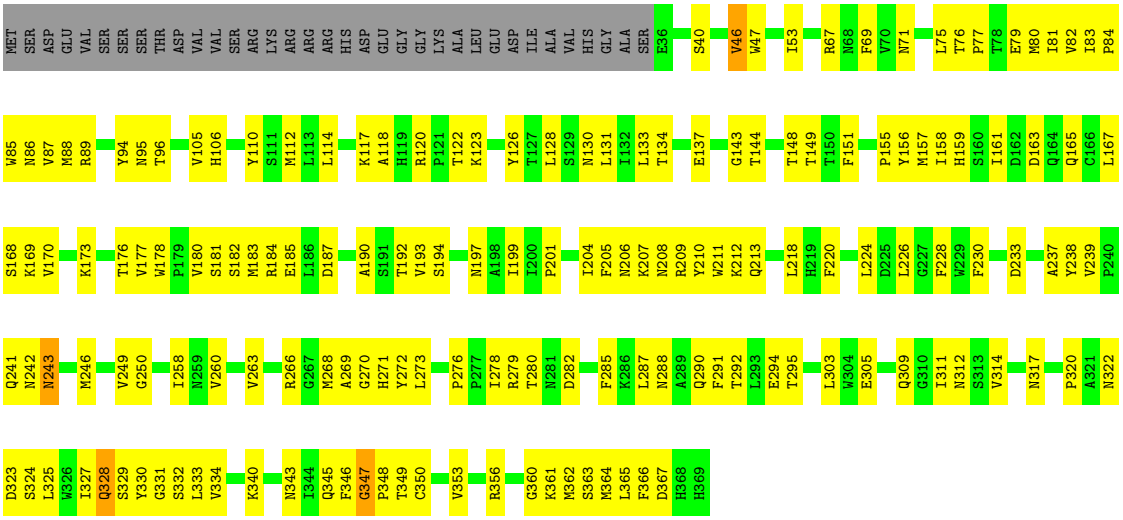




• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

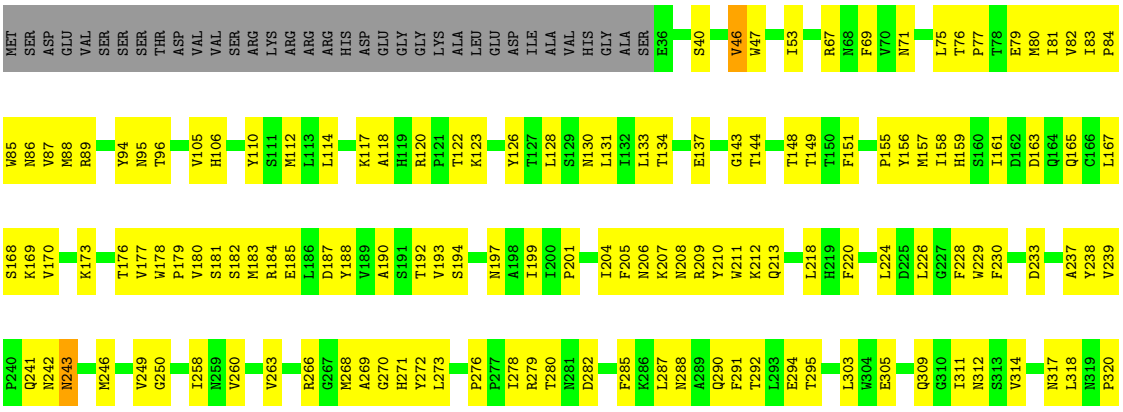
Chain K:





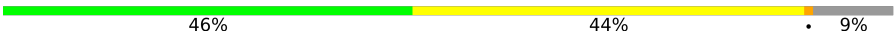
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

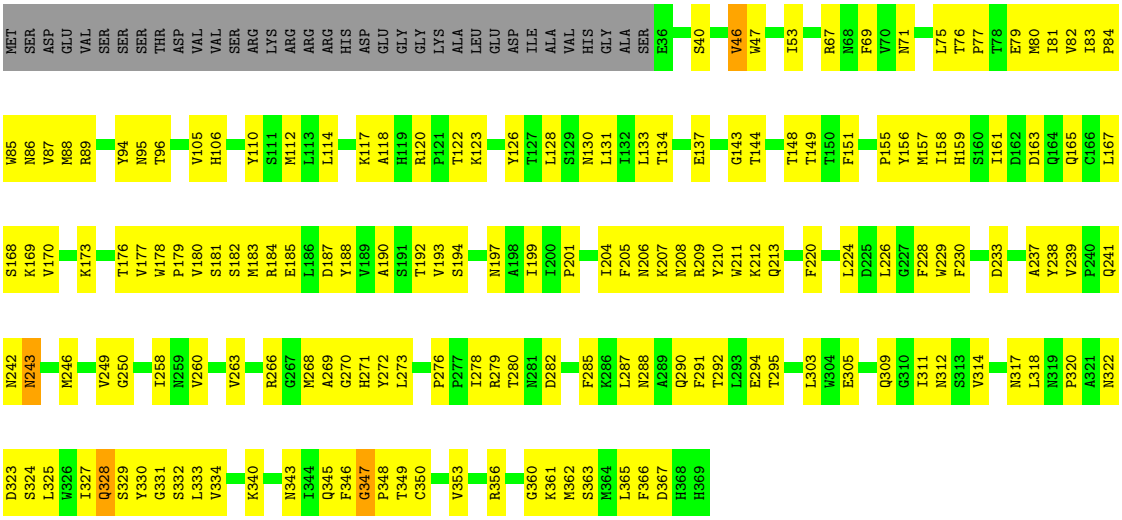
Chain L:



• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

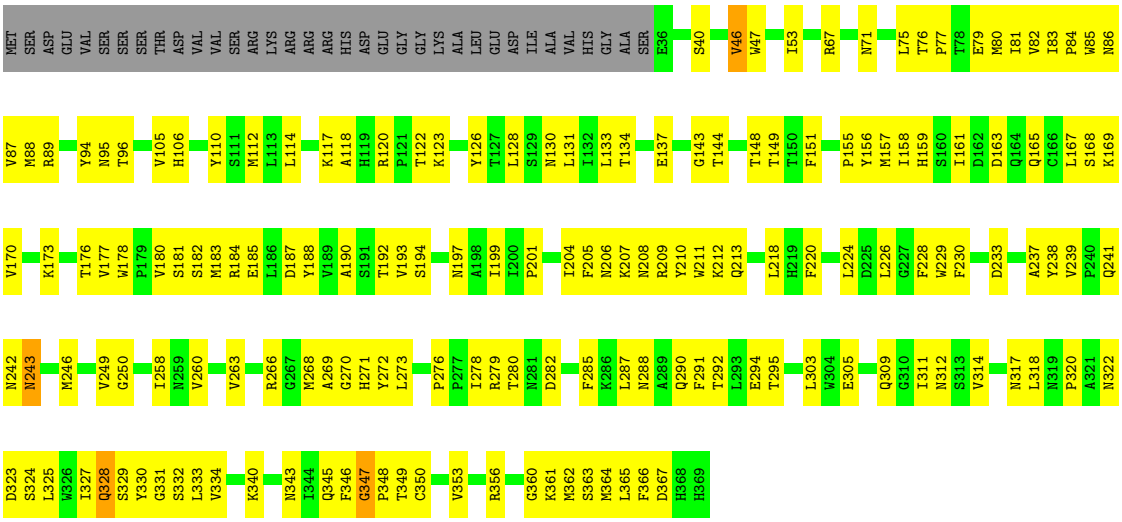
Chain M:





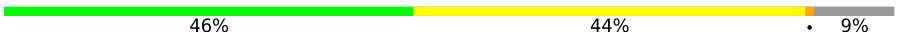
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

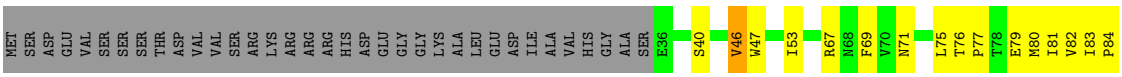
Chain N:

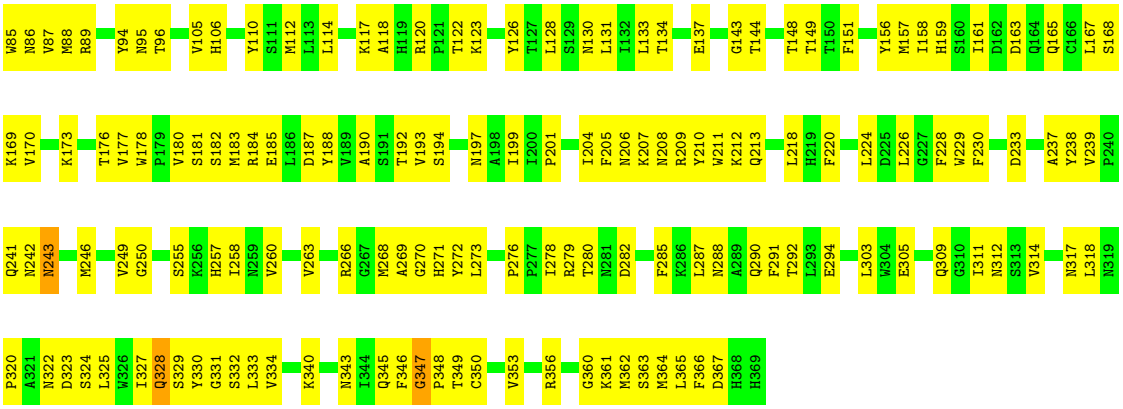


• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain O:

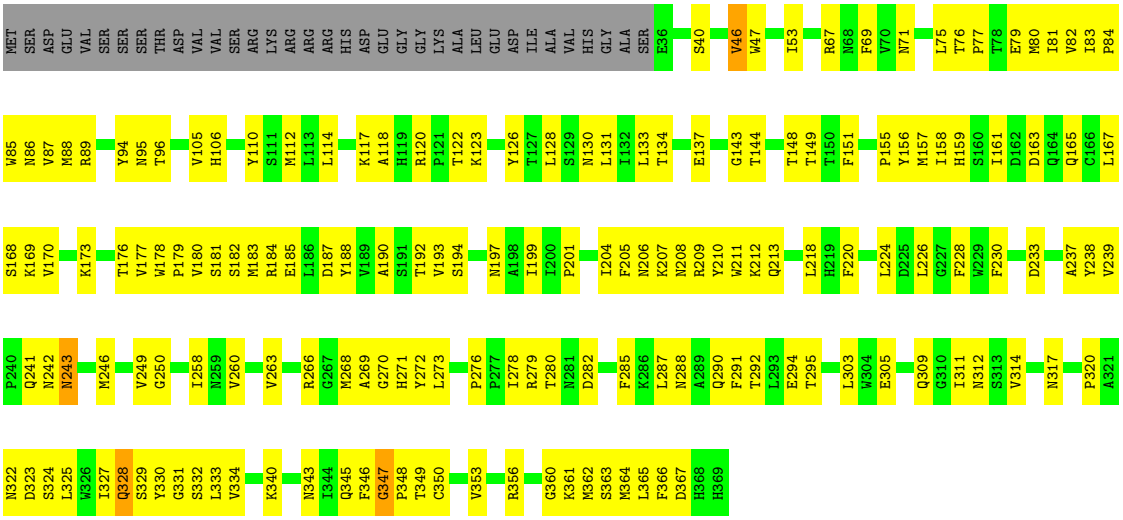






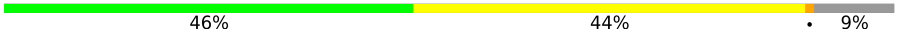
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

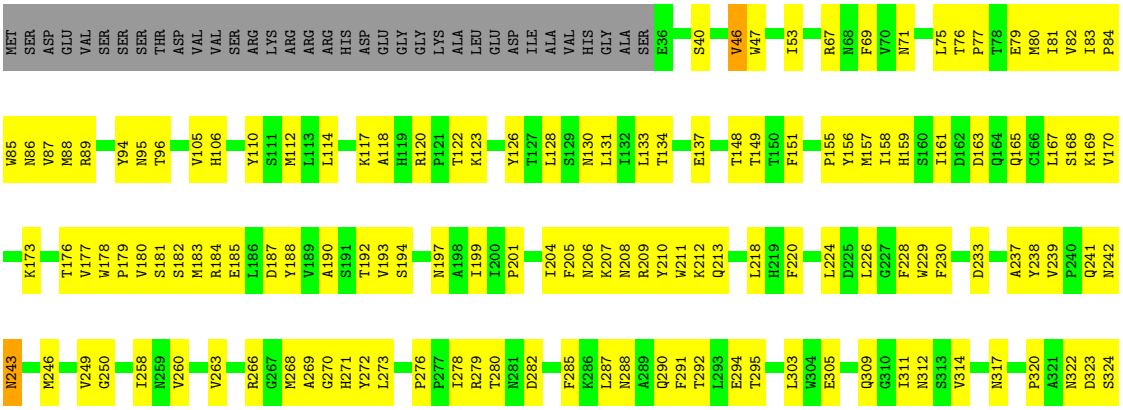
Chain P:

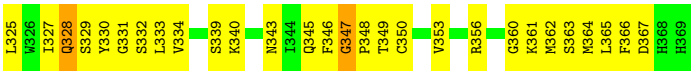


• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain Q:

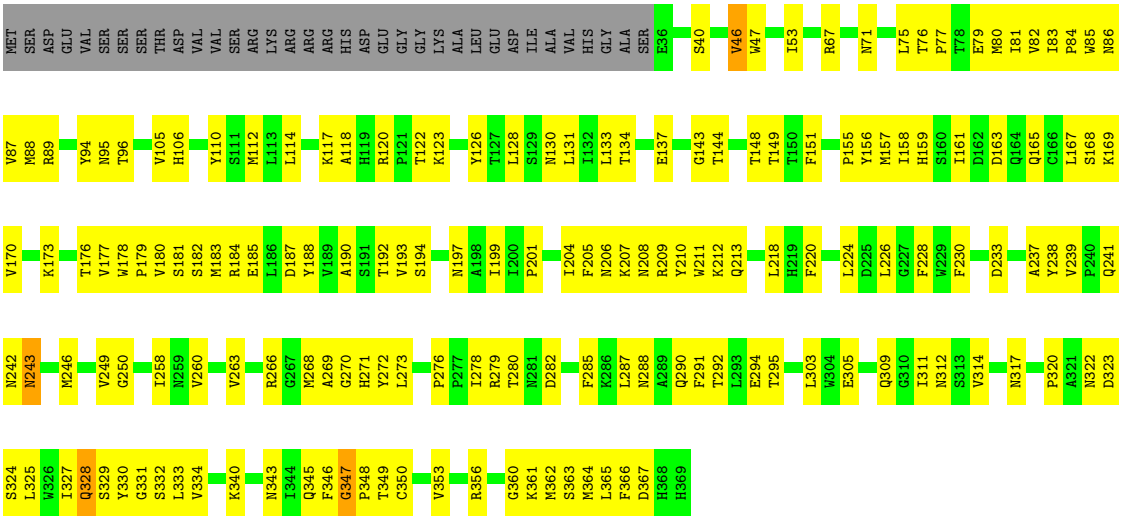






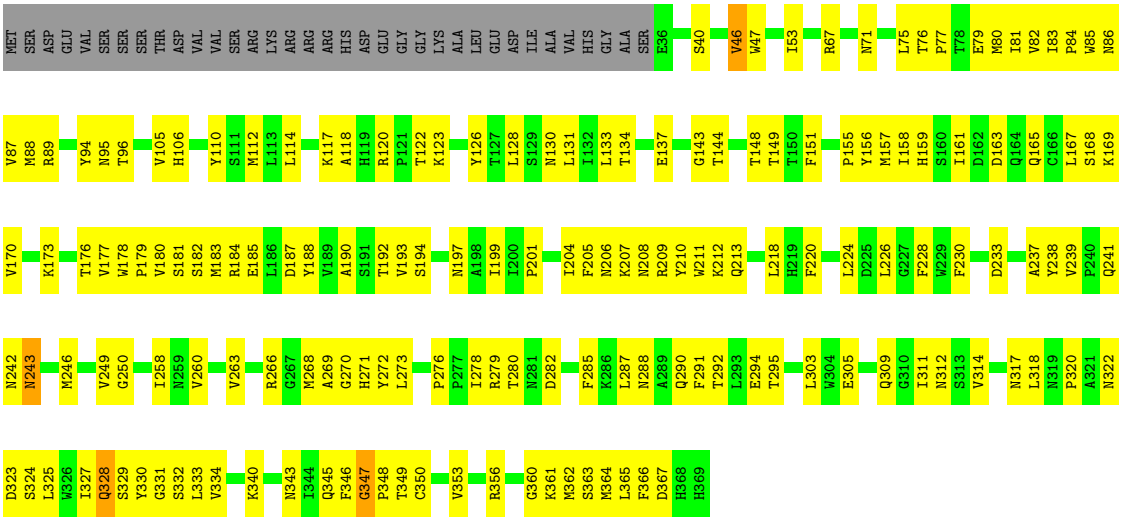
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain R:



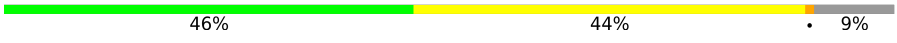
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

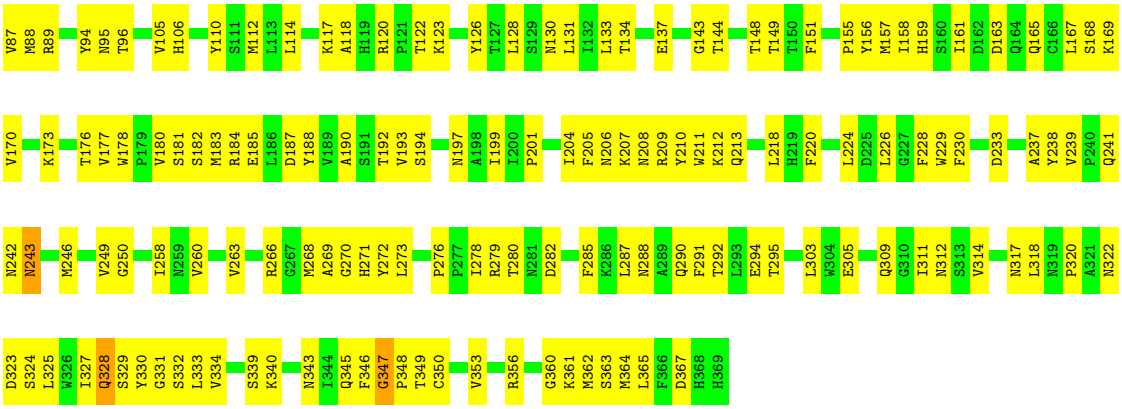
Chain S:



• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

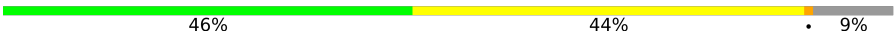
Chain T:

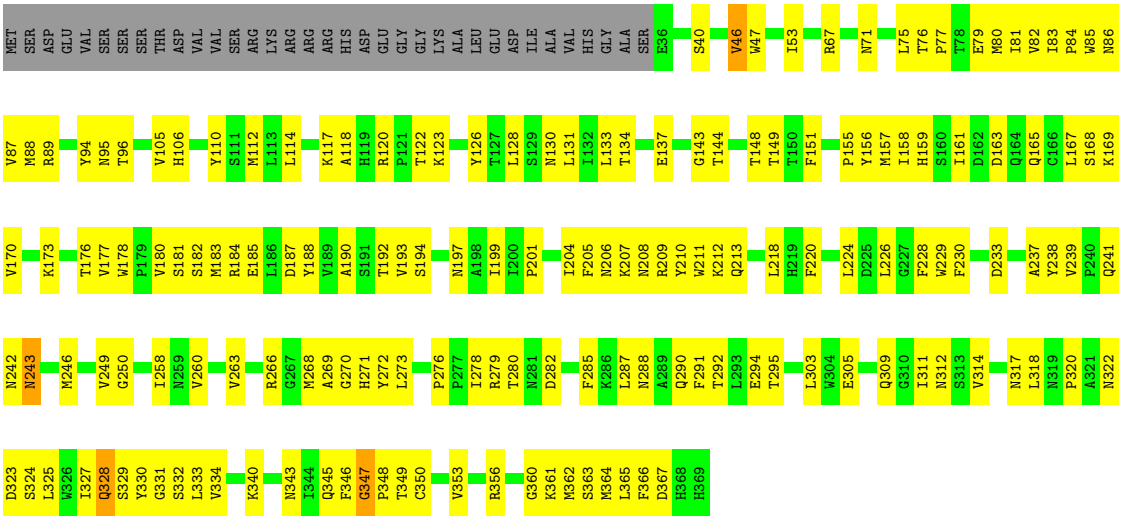




• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

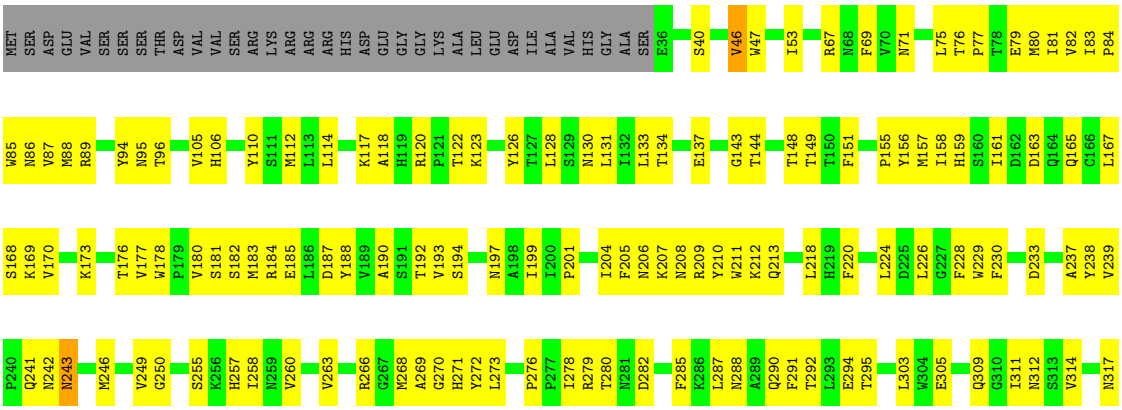
Chain U:





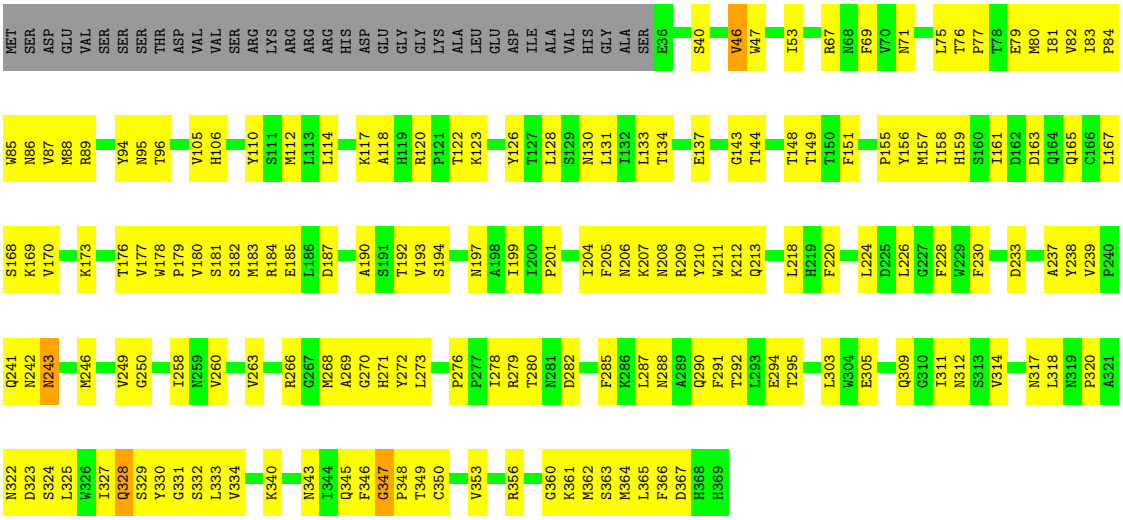
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain V:



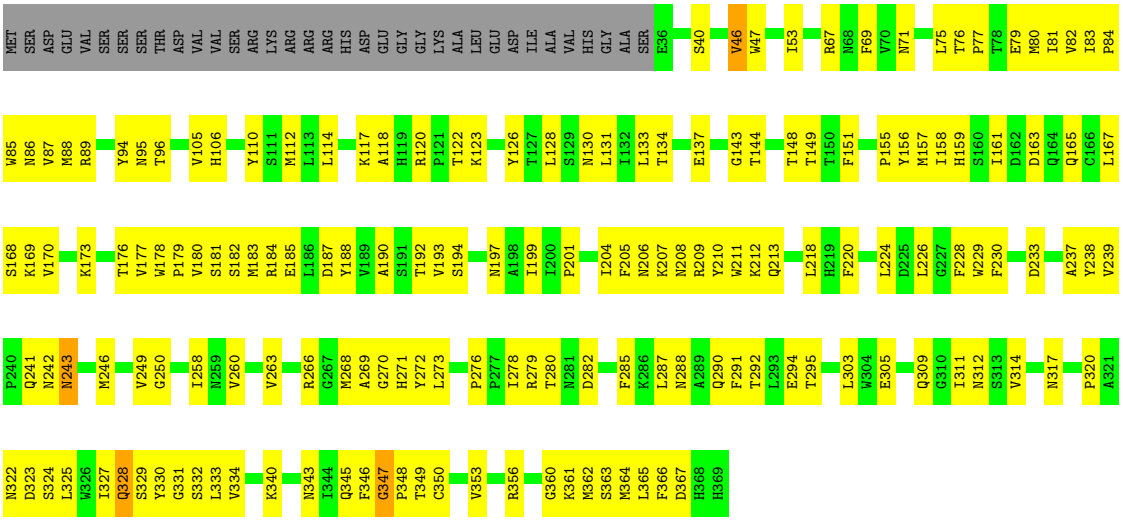
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain W:



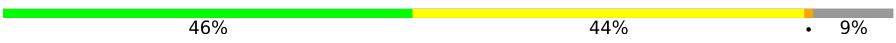
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

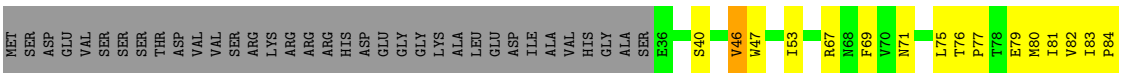
Chain X:

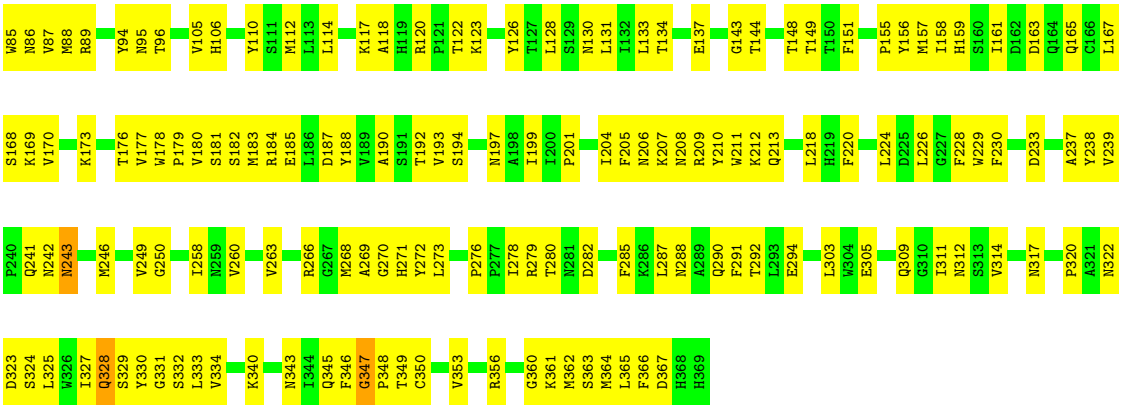


• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain Y:

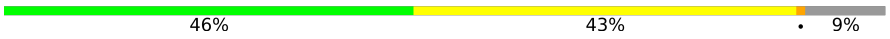


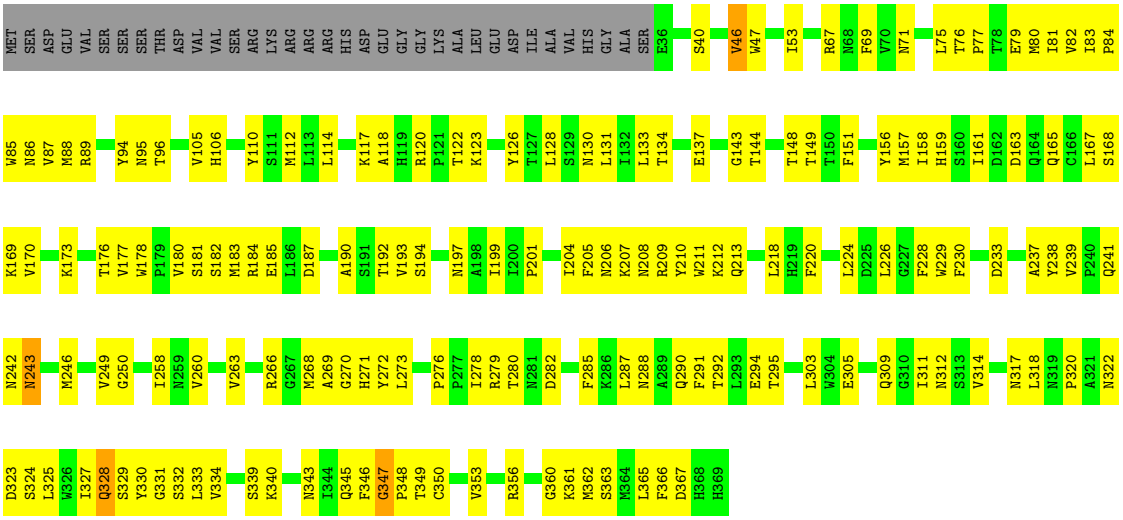




• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

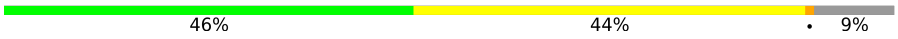
Chain Z:

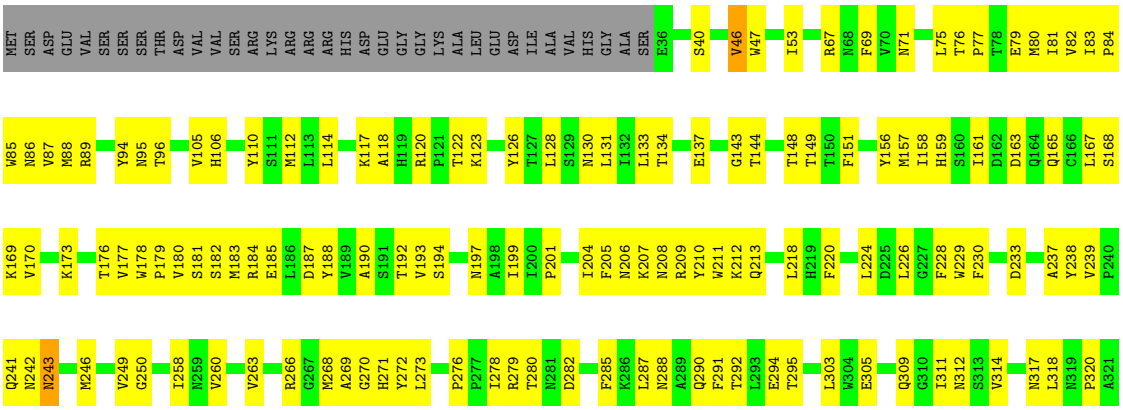


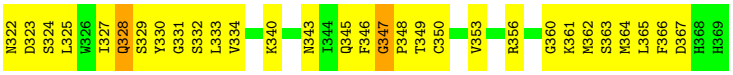


• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain 8:

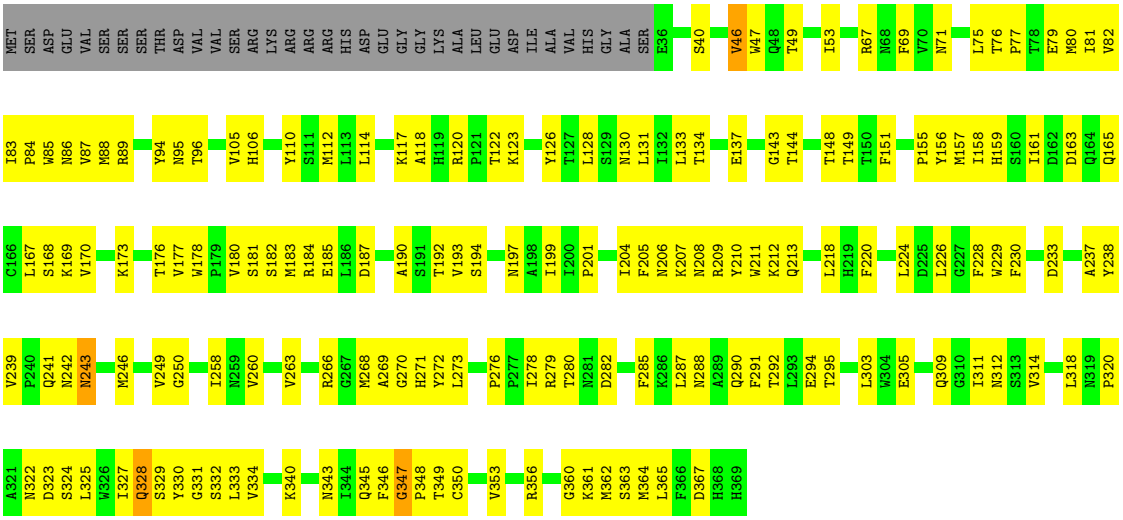






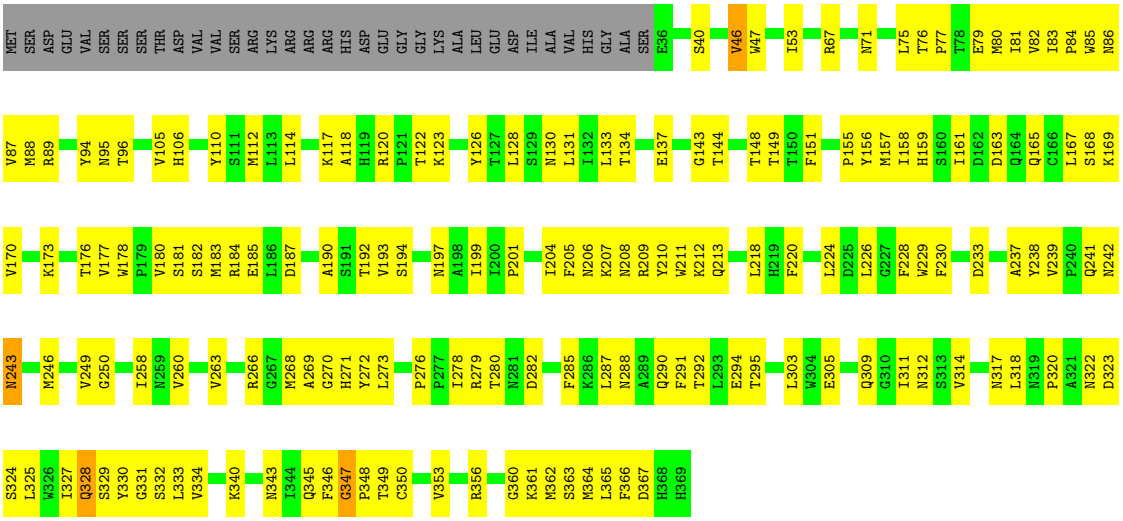
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain 7:



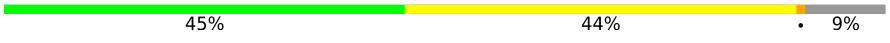
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

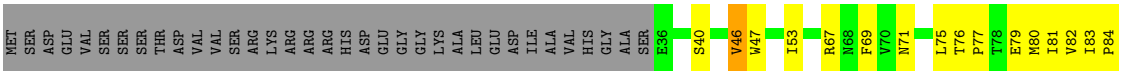
Chain 6:

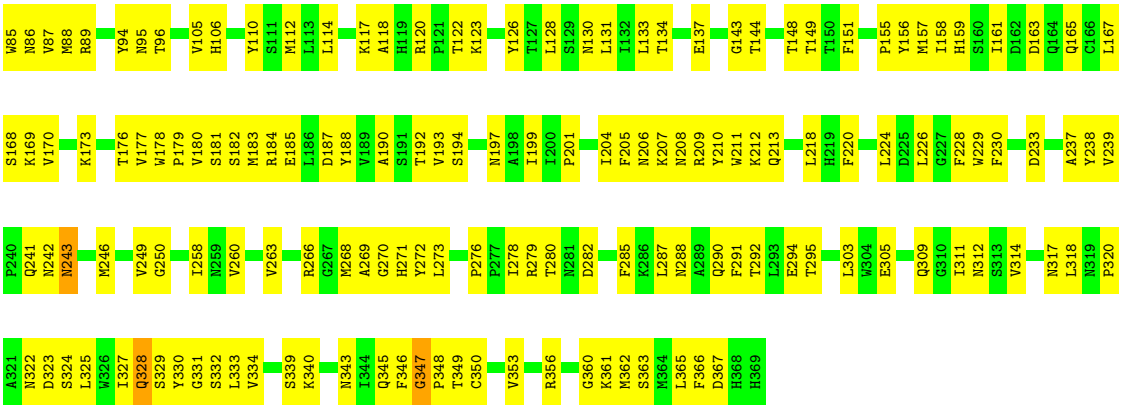


• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain 5:

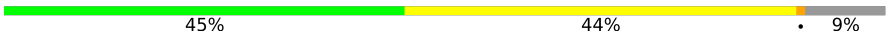


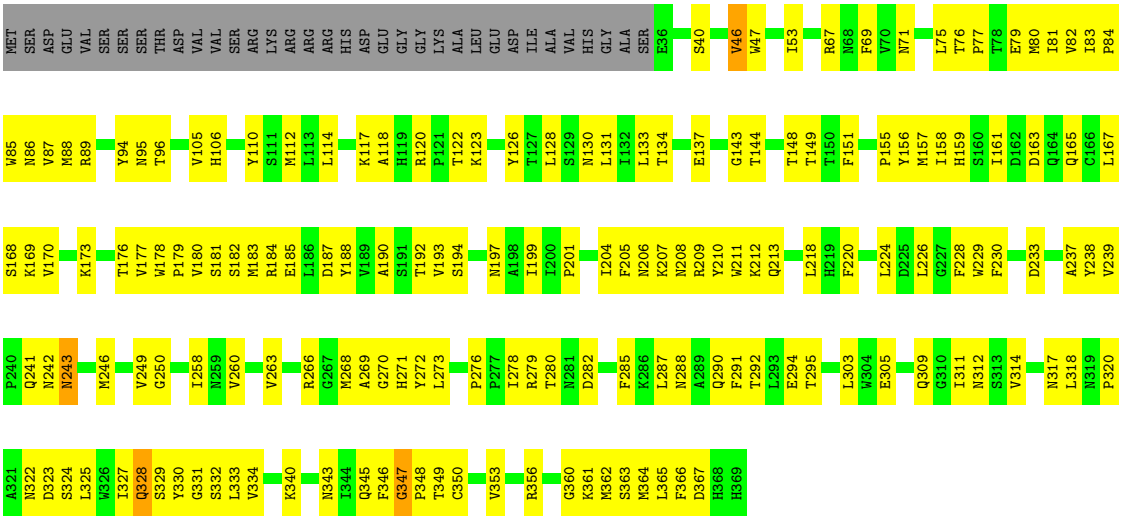




• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

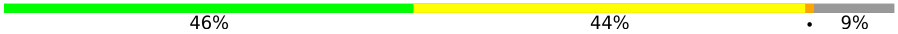
Chain 4:

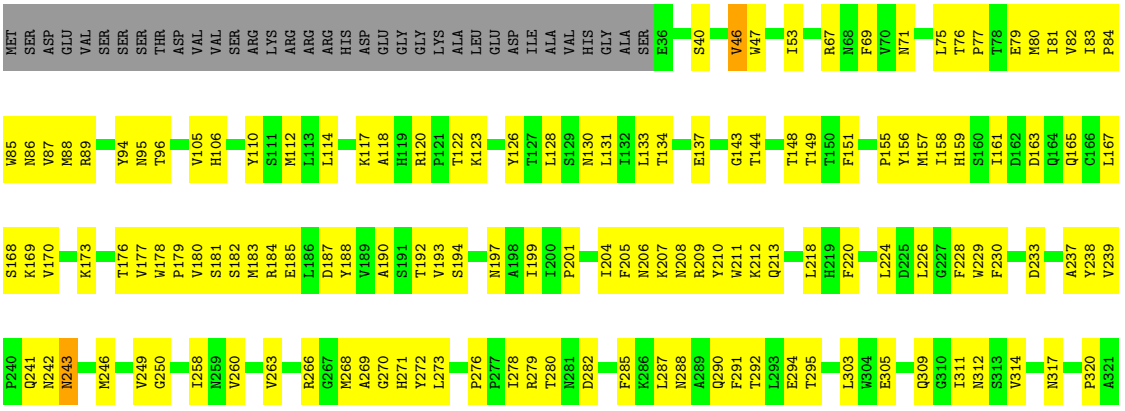


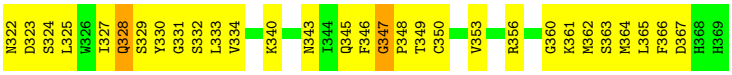


• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain 3:

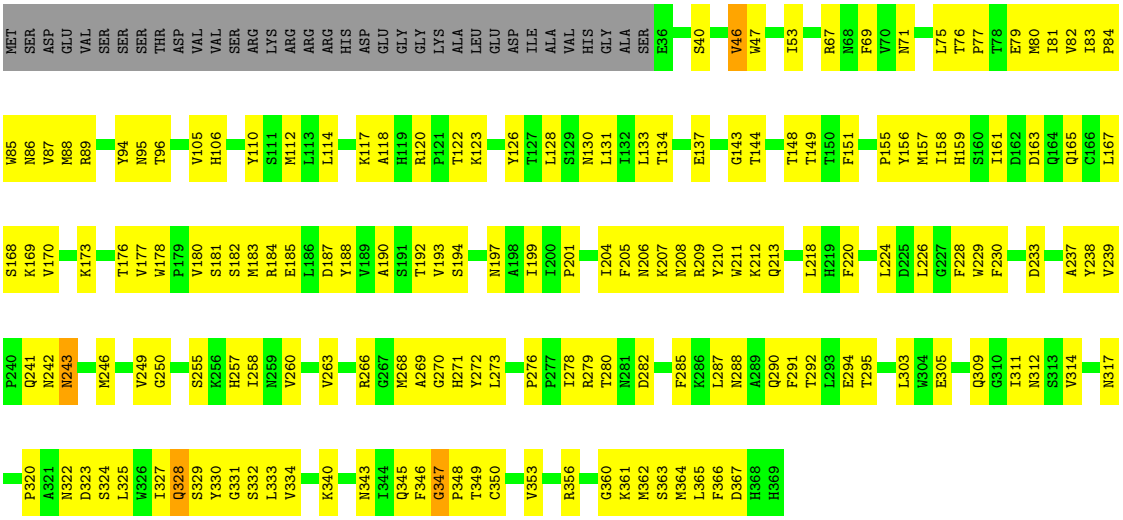






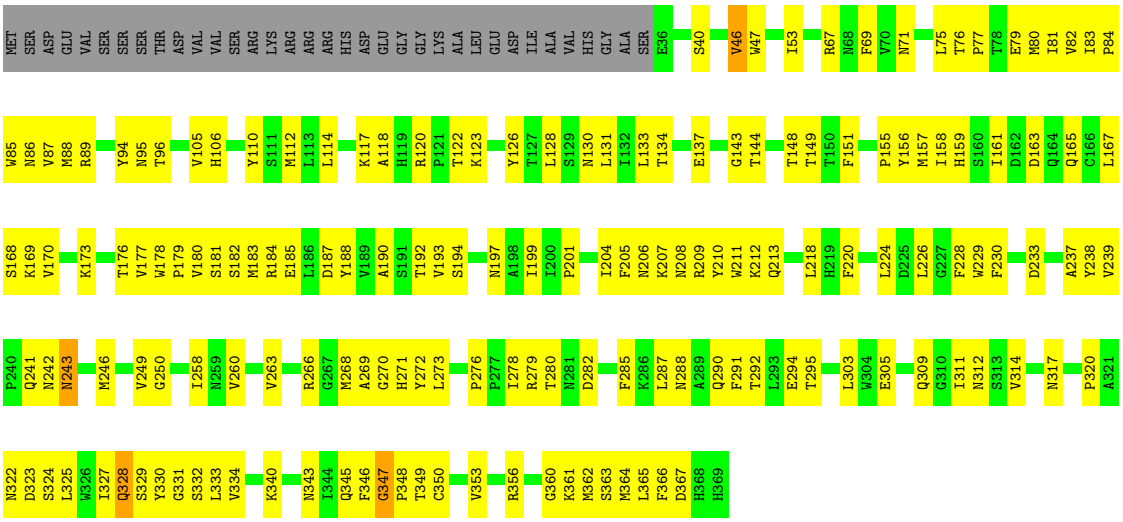
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain a:



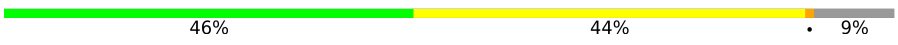
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

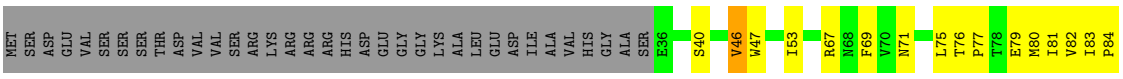
Chain b:

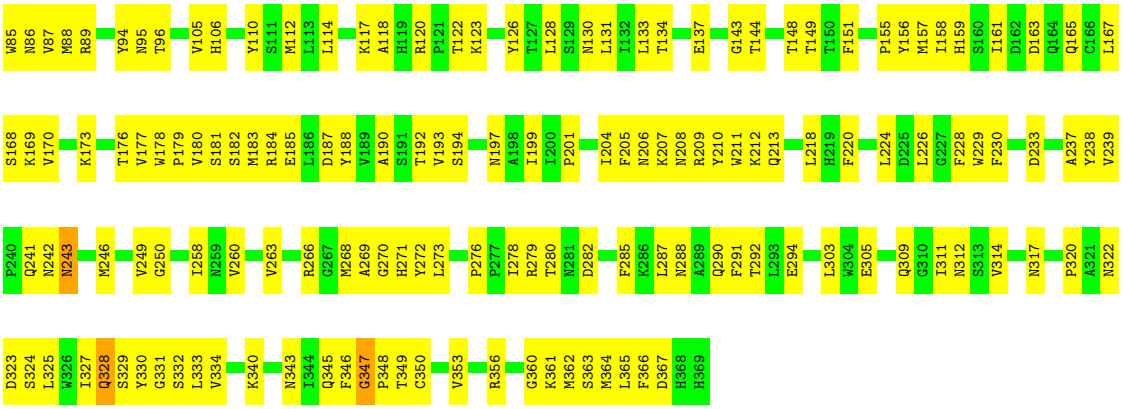


• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain c:

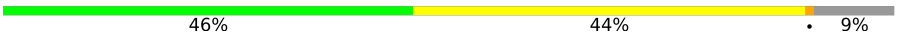


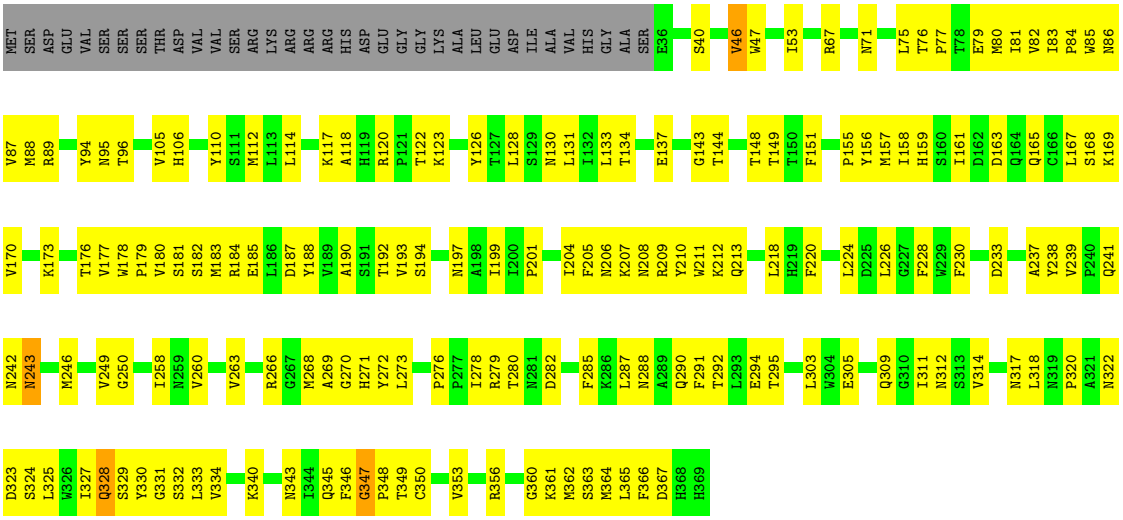




• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

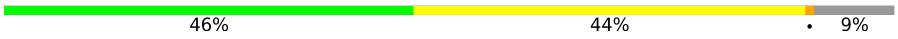
Chain d:

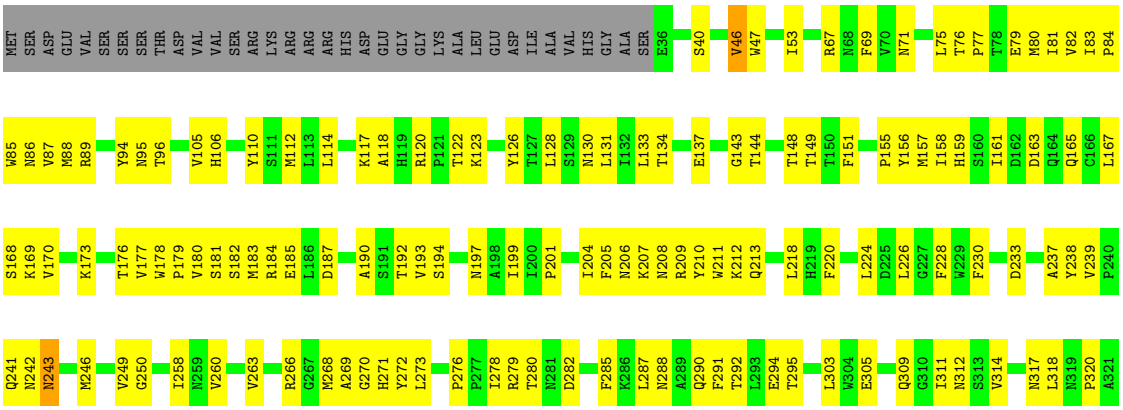


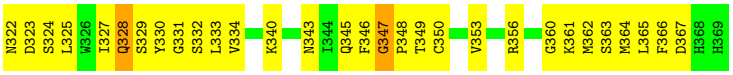


• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain e:

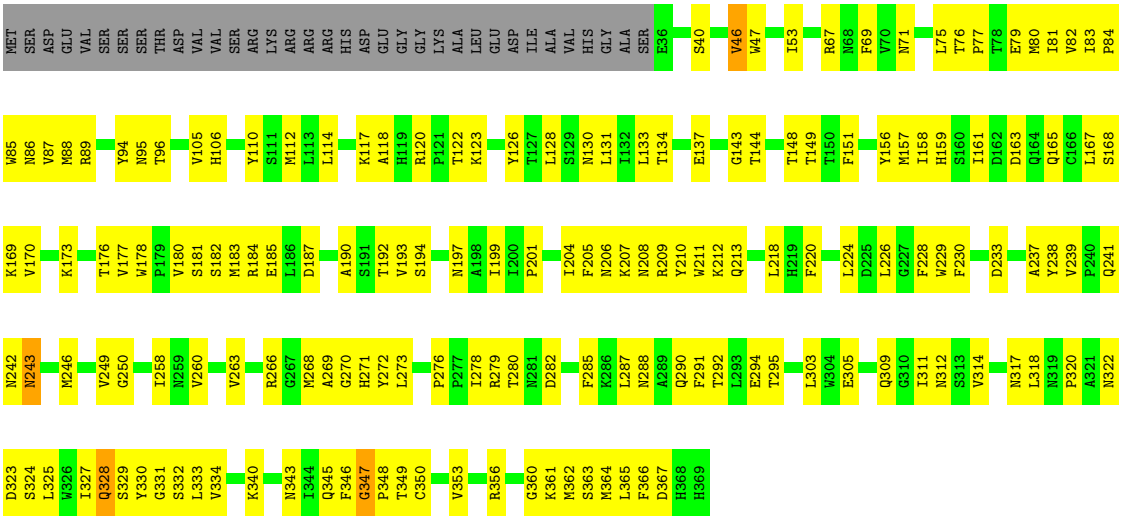






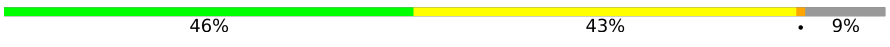
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

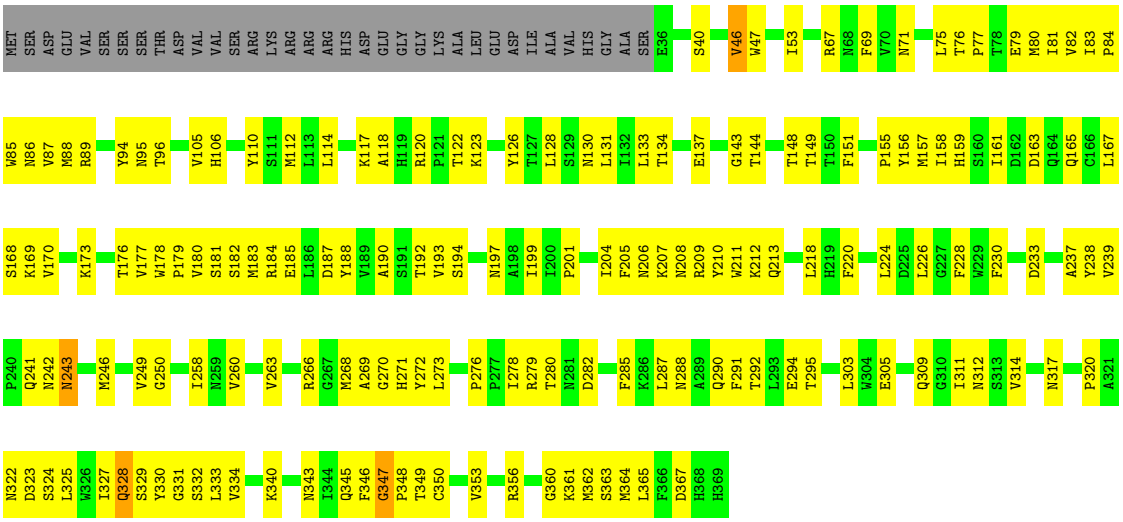
Chain f:



• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

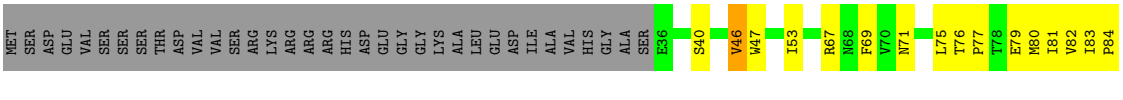
Chain g:

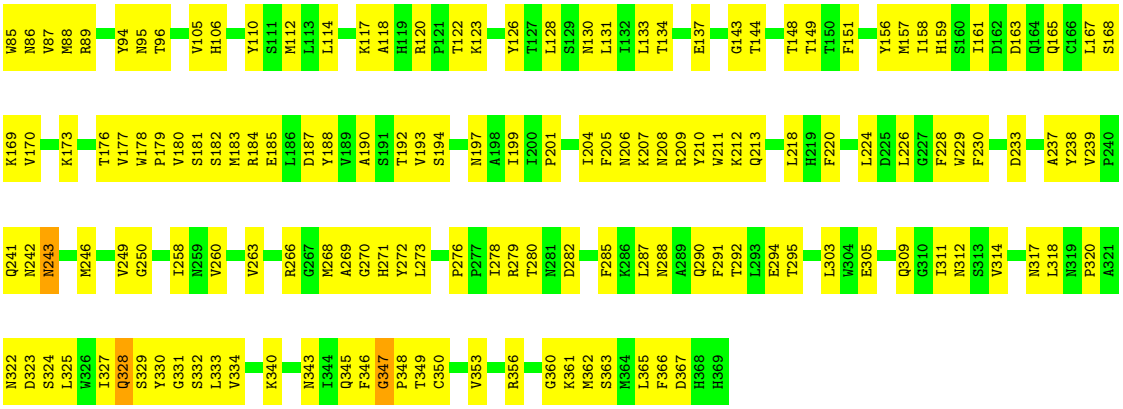




• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

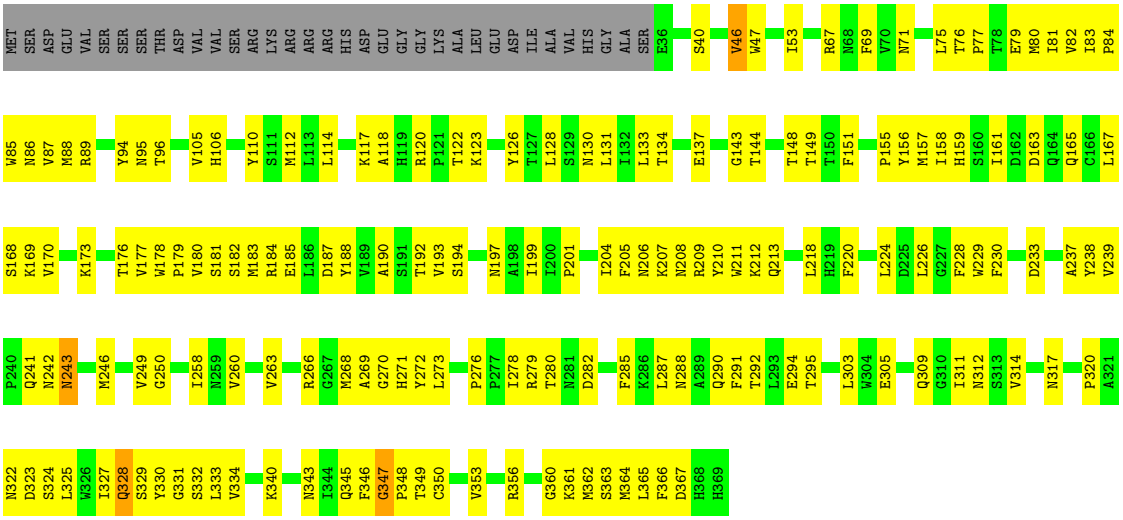
Chain h:





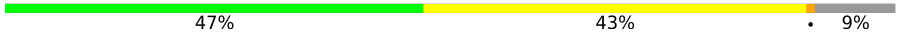
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

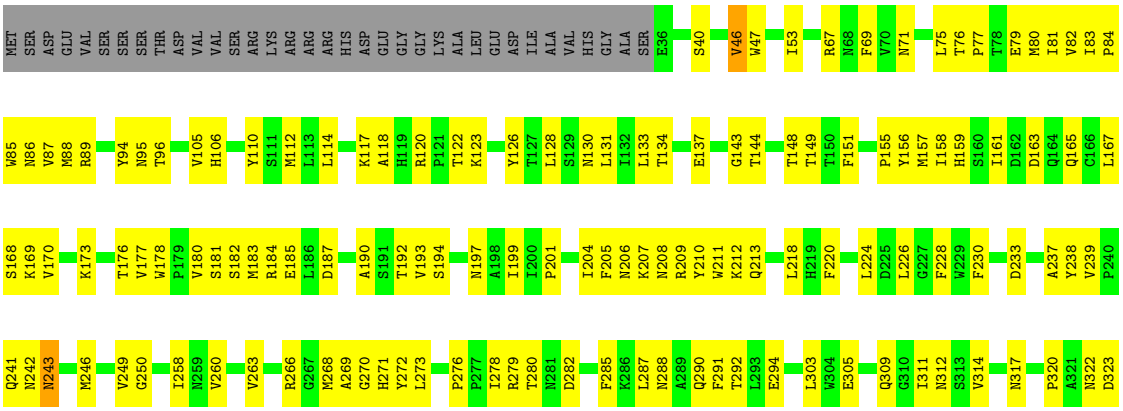
Chain i:

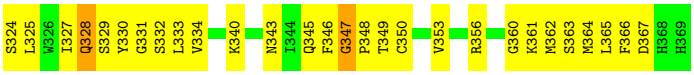


• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain j:

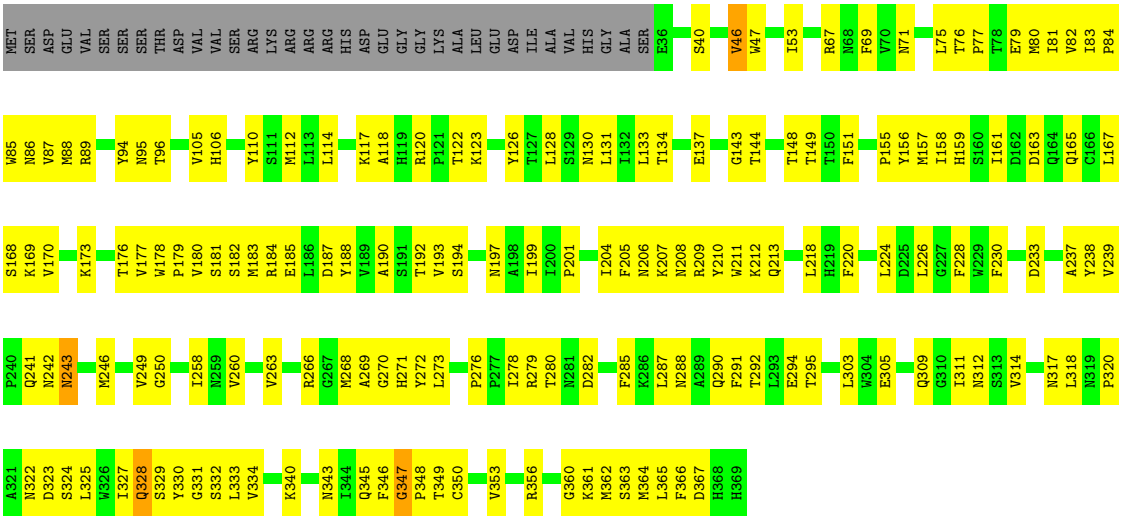






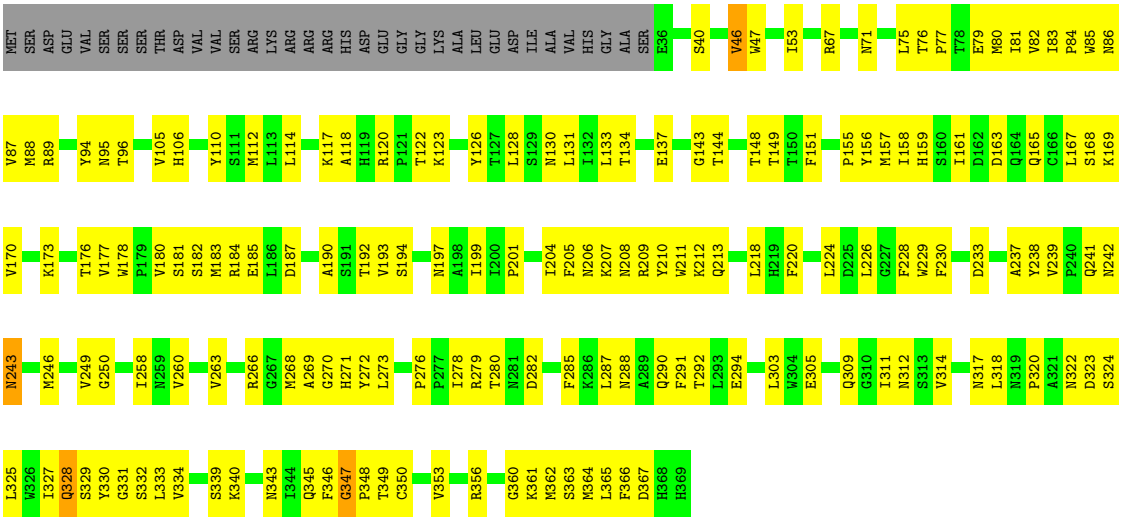
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain k:



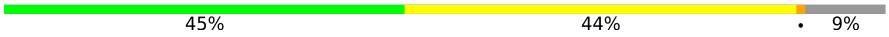
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

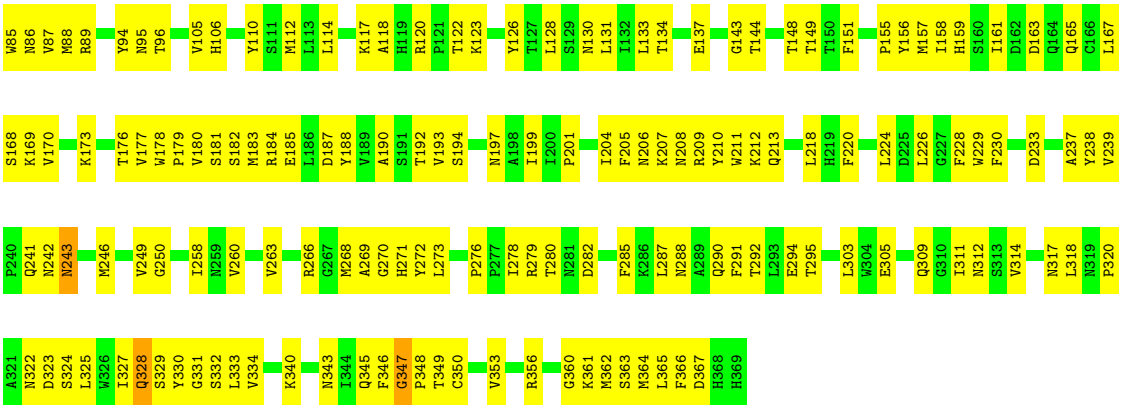
Chain l:



• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

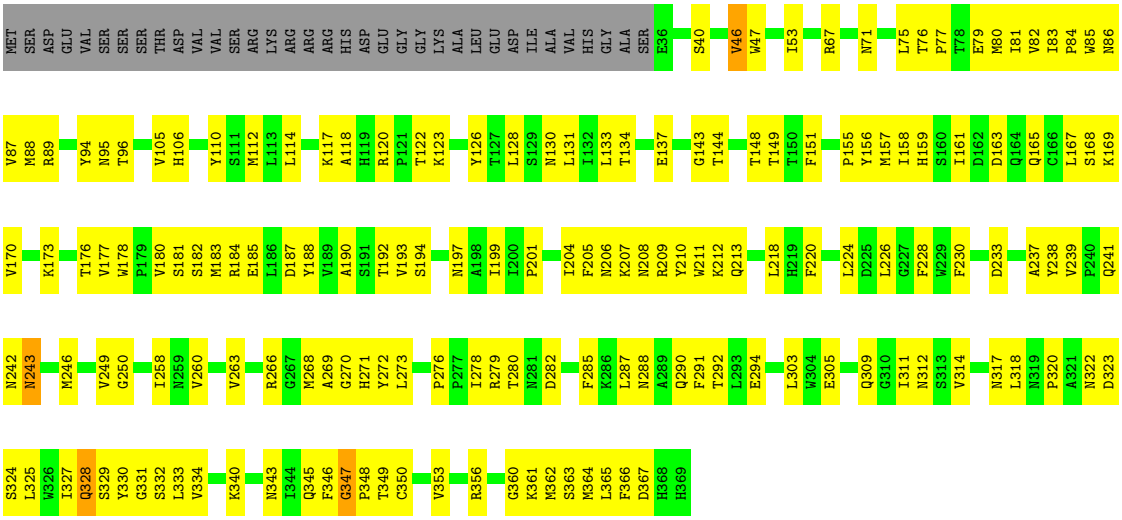
Chain m:





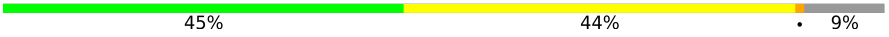
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

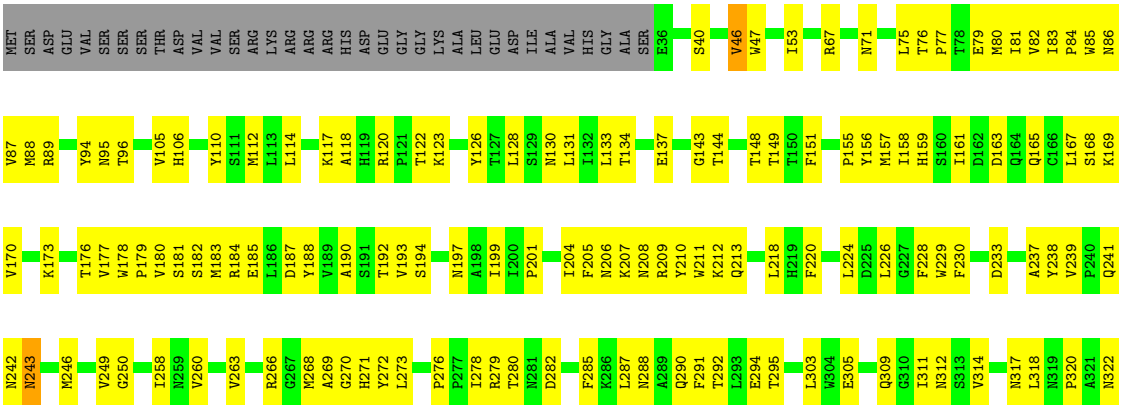
Chain n:

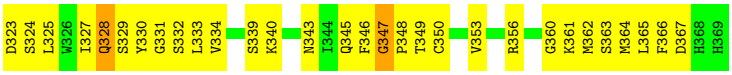


• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain o:

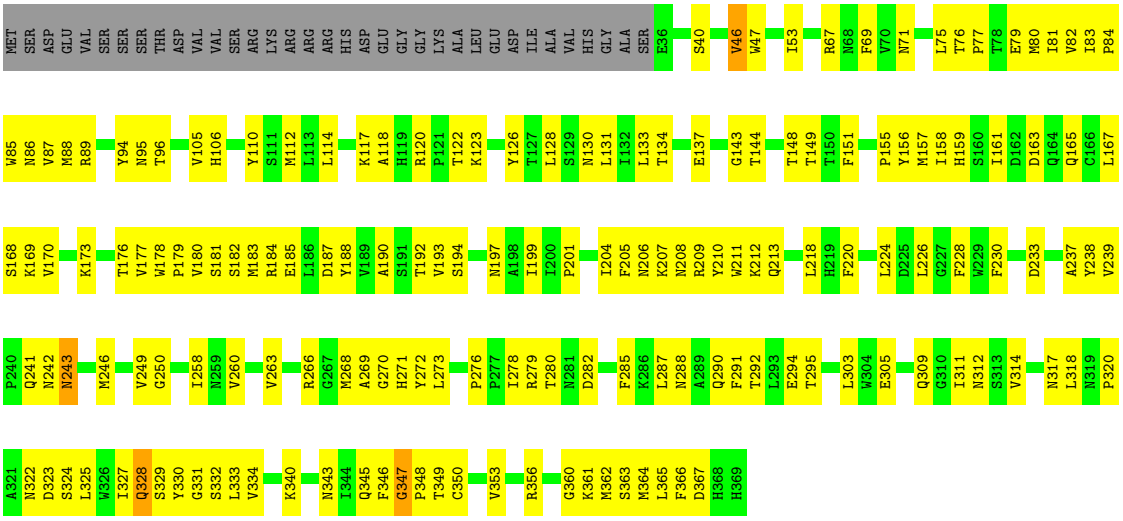






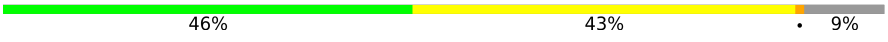
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

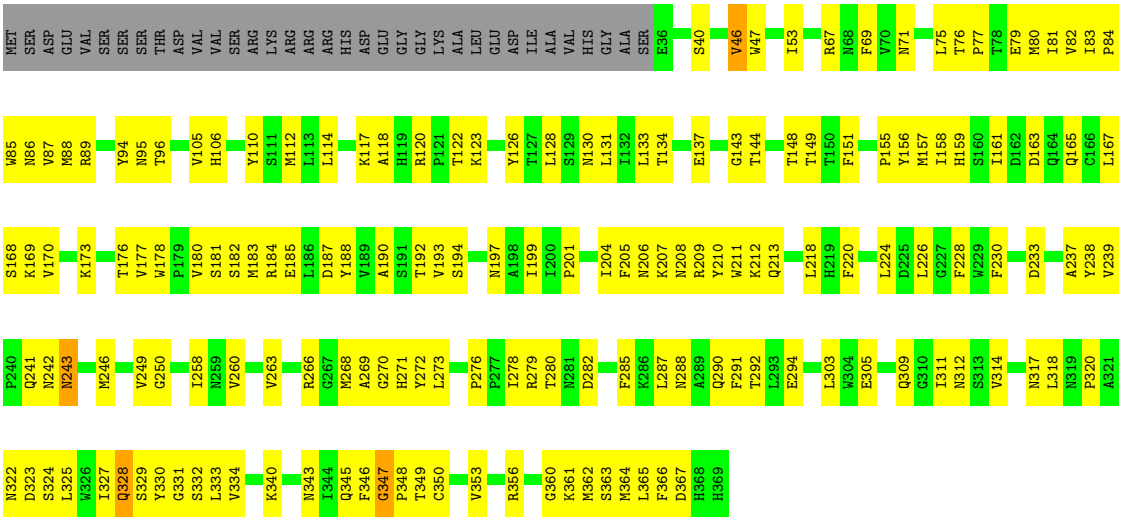
Chain p:



• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

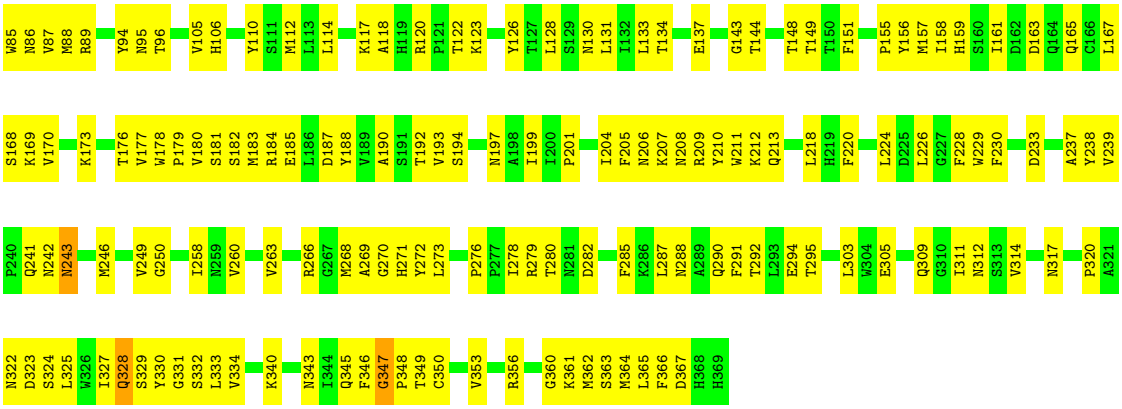
Chain q:





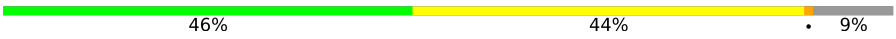
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

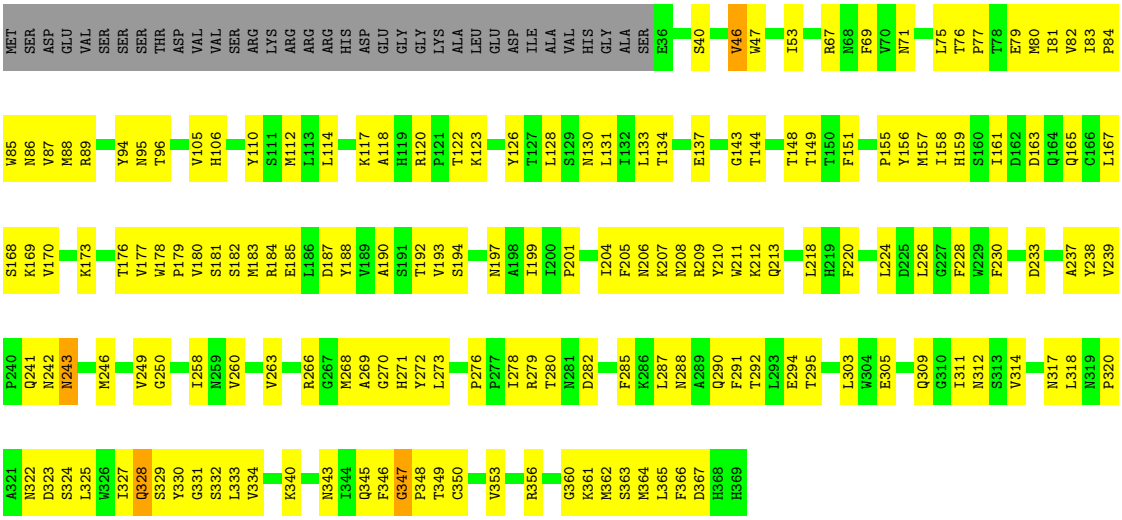
Chain r:



• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

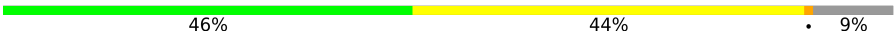
Chain s:

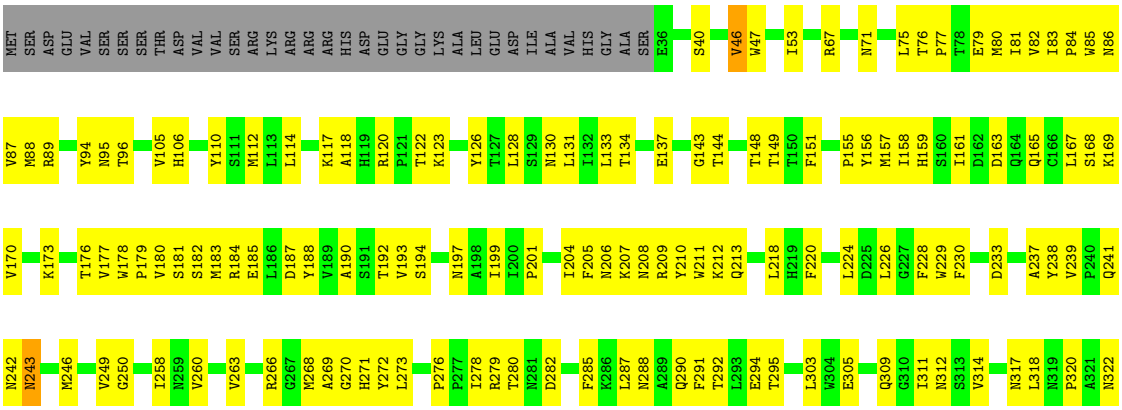




• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

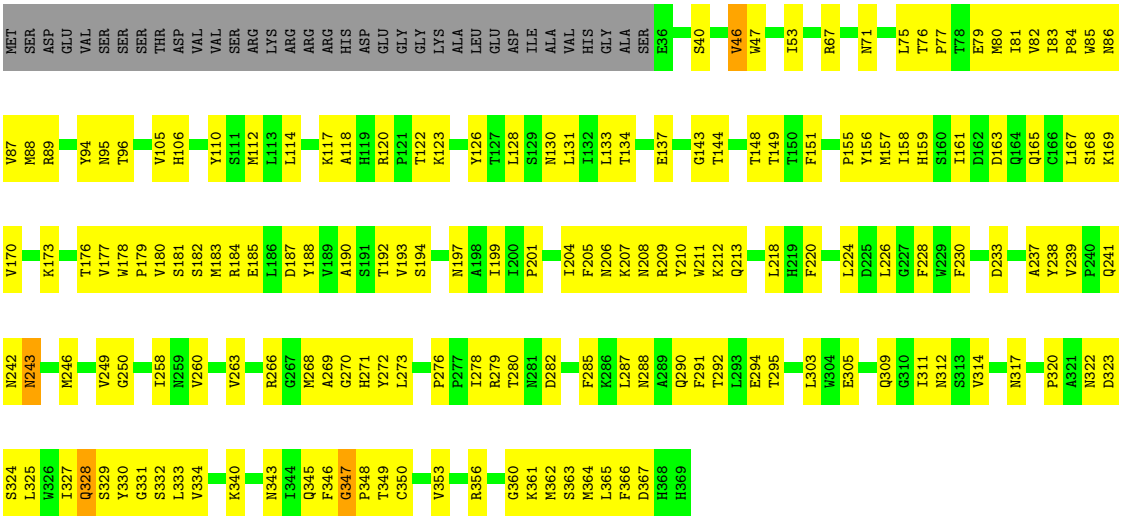
Chain t:





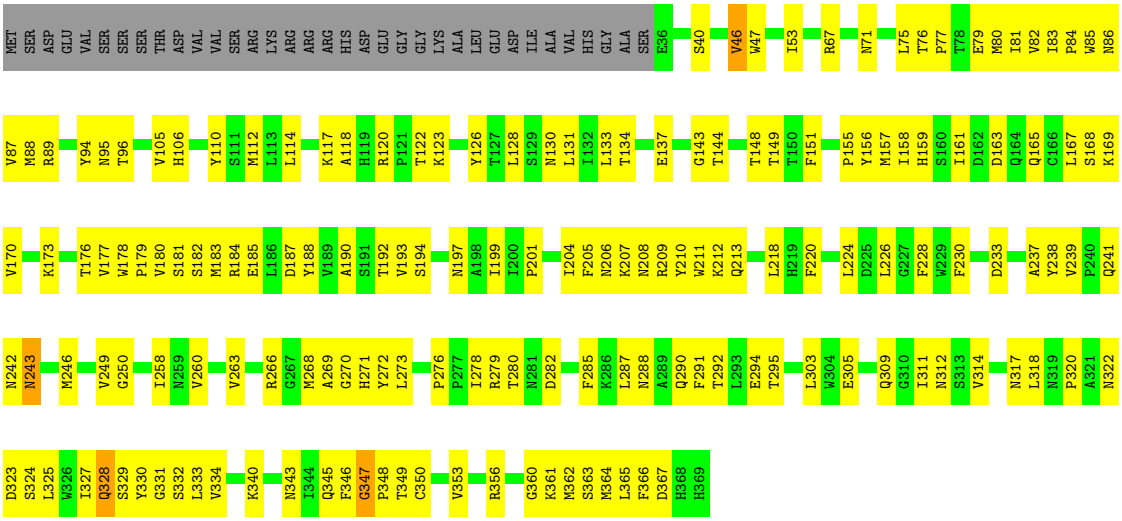
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain u:



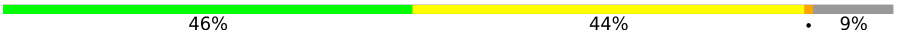
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

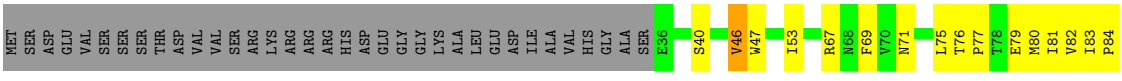
Chain v:

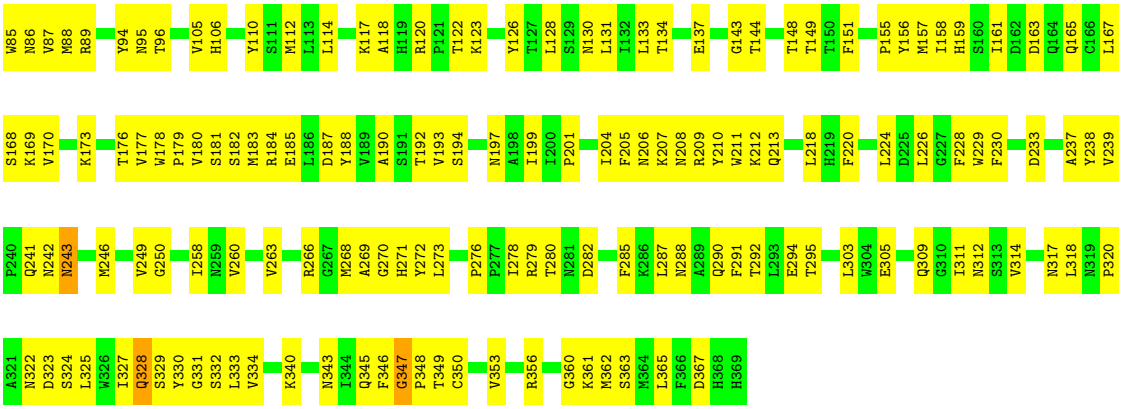


• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain w:

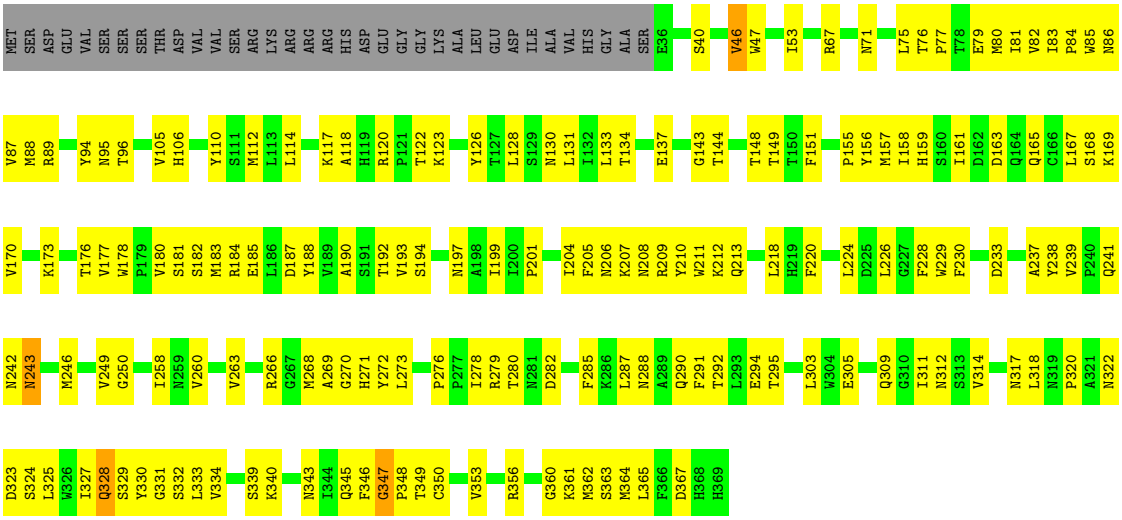






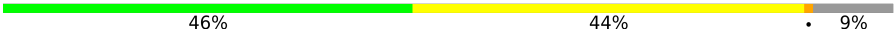
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

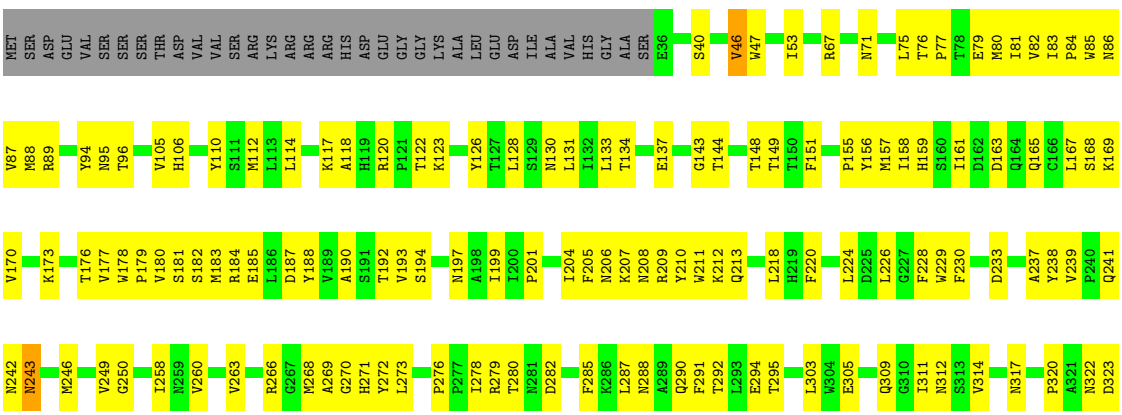
Chain x:

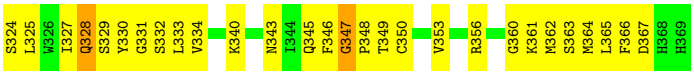


• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain y:

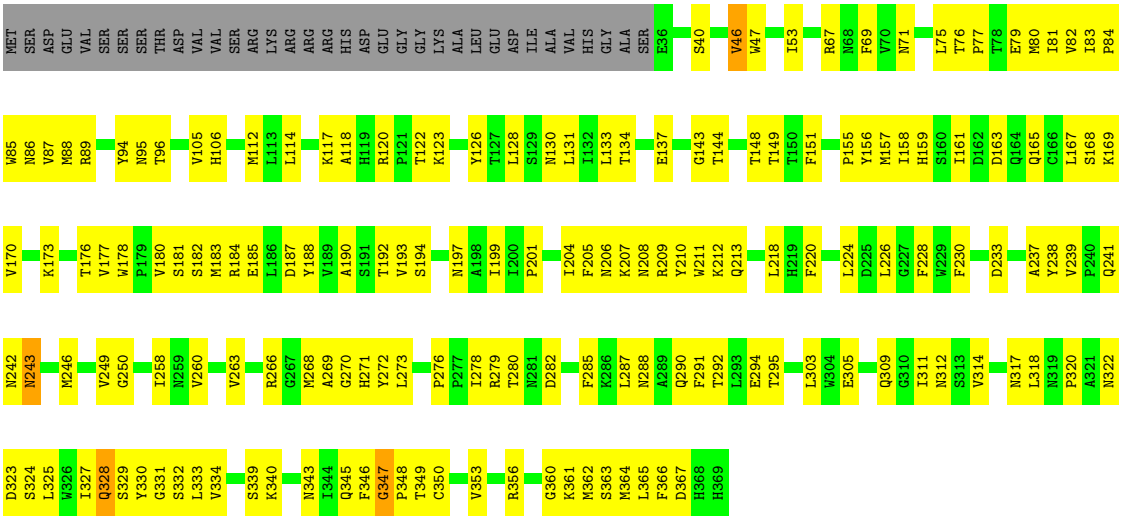






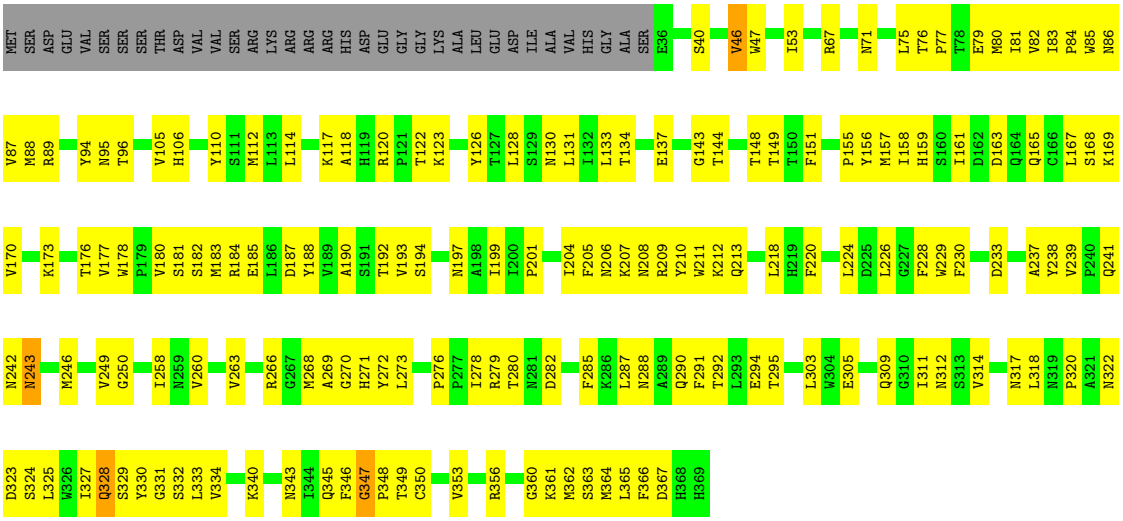
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain z:



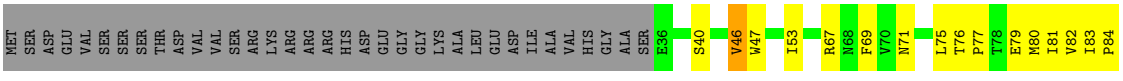
• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

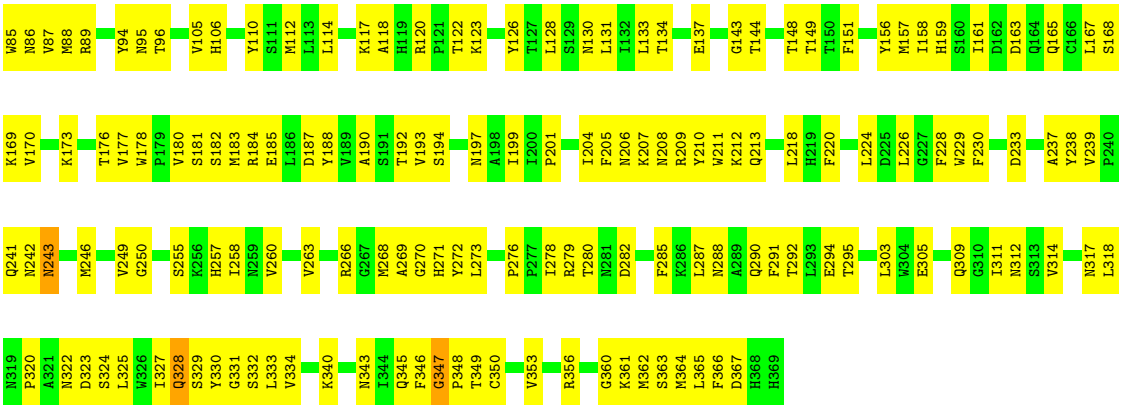
Chain 1:



• Molecule 1: Penaeus monodon metallodensovirus major capsid protein

Chain 2:




W85 N86 V87 M88 R89
Y94 N95 T96
V105 H106
Y110 S111 M112 L113 L114
K117 A118 H119 R120 P121 T122 K123
Y126 T127 L128 S129 N130 L131 I132 L133 T134
E137
G143 T144
T148 T149 T150 F151
Y156 M157 I158 H159 S160 I161 D162 D163 Q164 Q165 C166 L167 S168
K169 V170
K173
T176 V177 W178 P179 V180 S181 S182 M183 R184 E185 L186 D187 Y188 V189 A190 S191 T192 V193 S194
N197 A198 I199 I200 P201
I204 F205 N206 K207 N208 R209 Y210 W211 K212 Q213
L218 H219 F220
L224 D225 L226 G227 F228 W229 F230
D233
A237 Y238 V239 P240
Q241 N242 N243
M246
V249 G250
S255 K256 H257 I258 N259 V260
V263
R266 G267 M268 A269 G270 H271 Y272 L273
P276 P277 I278 R279 T280 N281 D282
F285 K286 L287 N288 A289 Q290 F291 T292 L293 E294 T295
L303 W304 E305
Q309 G310 I311 N312 S313 V314
N317 L318
N319 P320 A321 N322 D323 S324 L325 W326 I327 Q328 S329 Y330 G331 S332 L333 V334
K340
N343 I344 Q345 F346 G347 P348 T349 C350
V353
R356
G360 K361 M362 S363 M364 L365 F366 D367 H368 H369

4 Experimental information (i)

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, I	Depositor
Number of particles used	12873	Depositor
Resolution determination method	FSC 3 SIGMA CUT-OFF	Depositor
CTF correction method	NONE	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/Å^2$)	75	Depositor
Minimum defocus (nm)	Not provided	
Maximum defocus (nm)	Not provided	
Magnification	Not provided	
Image detector	GATAN K3 (6k x 4k)	Depositor
Maximum map value	21.777	Depositor
Minimum map value	-12.179	Depositor
Average map value	-0.000	Depositor
Map value standard deviation	1.000	Depositor
Recommended contour level	1.5	Depositor
Map size (Å)	415.436, 415.436, 415.436	wwPDB
Map dimensions	401, 401, 401	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	1.036, 1.036, 1.036	Depositor

5 Model quality (i)

5.1 Standard geometry (i)

Bond lengths and bond angles in the following residue types are not validated in this section: CA

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 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	1	0.49	0/2696	0.67	4/3669 (0.1%)
1	2	0.49	0/2696	0.67	4/3669 (0.1%)
1	3	0.49	0/2696	0.67	4/3669 (0.1%)
1	4	0.49	0/2696	0.67	4/3669 (0.1%)
1	5	0.49	0/2696	0.67	4/3669 (0.1%)
1	6	0.49	0/2696	0.67	4/3669 (0.1%)
1	7	0.49	0/2696	0.67	4/3669 (0.1%)
1	8	0.48	0/2696	0.67	4/3669 (0.1%)
1	A	0.48	0/2696	0.67	4/3669 (0.1%)
1	B	0.49	0/2696	0.67	4/3669 (0.1%)
1	C	0.49	0/2696	0.67	4/3669 (0.1%)
1	D	0.49	0/2696	0.67	4/3669 (0.1%)
1	E	0.49	0/2696	0.67	4/3669 (0.1%)
1	F	0.49	0/2696	0.67	4/3669 (0.1%)
1	G	0.49	0/2696	0.67	4/3669 (0.1%)
1	H	0.49	0/2696	0.67	4/3669 (0.1%)
1	I	0.49	0/2696	0.67	4/3669 (0.1%)
1	J	0.49	0/2696	0.67	4/3669 (0.1%)
1	K	0.49	0/2696	0.67	4/3669 (0.1%)
1	L	0.49	0/2696	0.67	4/3669 (0.1%)
1	M	0.49	0/2696	0.67	4/3669 (0.1%)
1	N	0.49	0/2696	0.67	4/3669 (0.1%)
1	O	0.49	0/2696	0.67	4/3669 (0.1%)
1	P	0.49	0/2696	0.67	4/3669 (0.1%)
1	Q	0.49	0/2696	0.67	4/3669 (0.1%)
1	R	0.49	0/2696	0.67	4/3669 (0.1%)
1	S	0.49	0/2696	0.67	4/3669 (0.1%)
1	T	0.49	0/2696	0.67	4/3669 (0.1%)
1	U	0.49	0/2696	0.67	4/3669 (0.1%)
1	V	0.49	0/2696	0.67	4/3669 (0.1%)
1	W	0.49	0/2696	0.67	4/3669 (0.1%)
1	X	0.48	0/2696	0.67	4/3669 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
1	Y	0.49	0/2696	0.67	4/3669 (0.1%)
1	Z	0.49	0/2696	0.67	4/3669 (0.1%)
1	a	0.49	0/2696	0.67	4/3669 (0.1%)
1	b	0.49	0/2696	0.67	4/3669 (0.1%)
1	c	0.49	0/2696	0.67	4/3669 (0.1%)
1	d	0.49	0/2696	0.67	4/3669 (0.1%)
1	e	0.49	0/2696	0.67	4/3669 (0.1%)
1	f	0.49	0/2696	0.67	4/3669 (0.1%)
1	g	0.49	0/2696	0.67	4/3669 (0.1%)
1	h	0.49	0/2696	0.67	4/3669 (0.1%)
1	i	0.49	0/2696	0.67	4/3669 (0.1%)
1	j	0.49	0/2696	0.67	4/3669 (0.1%)
1	k	0.49	0/2696	0.67	4/3669 (0.1%)
1	l	0.49	0/2696	0.67	4/3669 (0.1%)
1	m	0.49	0/2696	0.67	4/3669 (0.1%)
1	n	0.49	0/2696	0.67	4/3669 (0.1%)
1	o	0.49	0/2696	0.67	4/3669 (0.1%)
1	p	0.49	0/2696	0.67	4/3669 (0.1%)
1	q	0.49	0/2696	0.67	4/3669 (0.1%)
1	r	0.49	0/2696	0.67	4/3669 (0.1%)
1	s	0.49	0/2696	0.67	4/3669 (0.1%)
1	t	0.49	0/2696	0.67	4/3669 (0.1%)
1	u	0.49	0/2696	0.67	4/3669 (0.1%)
1	v	0.49	0/2696	0.67	4/3669 (0.1%)
1	w	0.49	0/2696	0.67	4/3669 (0.1%)
1	x	0.49	0/2696	0.67	4/3669 (0.1%)
1	y	0.49	0/2696	0.67	4/3669 (0.1%)
1	z	0.49	0/2696	0.67	4/3669 (0.1%)
All	All	0.49	0/161760	0.67	240/220140 (0.1%)

There are no bond length outliers.

All (240) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	Z	347	GLY	CA-C-N	7.02	126.95	120.21
1	Z	347	GLY	C-N-CA	7.02	126.95	120.21
1	2	347	GLY	CA-C-N	7.02	126.95	120.21
1	2	347	GLY	C-N-CA	7.02	126.95	120.21
1	i	347	GLY	CA-C-N	7.01	126.94	120.21
1	i	347	GLY	C-N-CA	7.01	126.94	120.21
1	E	347	GLY	CA-C-N	6.99	126.92	120.21
1	E	347	GLY	C-N-CA	6.99	126.92	120.21

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	G	347	GLY	CA-C-N	6.99	126.92	120.21
1	G	347	GLY	C-N-CA	6.99	126.92	120.21
1	m	347	GLY	CA-C-N	6.99	126.92	120.21
1	m	347	GLY	C-N-CA	6.99	126.92	120.21
1	t	347	GLY	CA-C-N	6.99	126.92	120.21
1	t	347	GLY	C-N-CA	6.99	126.92	120.21
1	V	347	GLY	CA-C-N	6.98	126.91	120.21
1	V	347	GLY	C-N-CA	6.98	126.91	120.21
1	J	347	GLY	CA-C-N	6.96	126.90	120.21
1	J	347	GLY	C-N-CA	6.96	126.90	120.21
1	v	347	GLY	CA-C-N	6.96	126.90	120.21
1	v	347	GLY	C-N-CA	6.96	126.90	120.21
1	o	347	GLY	CA-C-N	6.96	126.89	120.21
1	o	347	GLY	C-N-CA	6.96	126.89	120.21
1	8	347	GLY	CA-C-N	6.96	126.89	120.21
1	8	347	GLY	C-N-CA	6.96	126.89	120.21
1	w	347	GLY	CA-C-N	6.96	126.89	120.21
1	w	347	GLY	C-N-CA	6.96	126.89	120.21
1	K	347	GLY	CA-C-N	6.95	126.88	120.21
1	K	347	GLY	C-N-CA	6.95	126.88	120.21
1	T	347	GLY	CA-C-N	6.95	126.88	120.21
1	T	347	GLY	C-N-CA	6.95	126.88	120.21
1	f	347	GLY	CA-C-N	6.95	126.88	120.21
1	f	347	GLY	C-N-CA	6.95	126.88	120.21
1	x	347	GLY	CA-C-N	6.95	126.88	120.21
1	x	347	GLY	C-N-CA	6.95	126.88	120.21
1	n	347	GLY	CA-C-N	6.95	126.88	120.21
1	n	347	GLY	C-N-CA	6.95	126.88	120.21
1	q	347	GLY	CA-C-N	6.95	126.88	120.21
1	q	347	GLY	C-N-CA	6.95	126.88	120.21
1	h	347	GLY	CA-C-N	6.95	126.88	120.21
1	h	347	GLY	C-N-CA	6.95	126.88	120.21
1	M	347	GLY	CA-C-N	6.95	126.88	120.21
1	M	347	GLY	C-N-CA	6.95	126.88	120.21
1	O	347	GLY	CA-C-N	6.95	126.88	120.21
1	O	347	GLY	C-N-CA	6.95	126.88	120.21
1	R	347	GLY	CA-C-N	6.95	126.88	120.21
1	R	347	GLY	C-N-CA	6.95	126.88	120.21
1	b	347	GLY	CA-C-N	6.95	126.88	120.21
1	b	347	GLY	C-N-CA	6.95	126.88	120.21
1	A	347	GLY	CA-C-N	6.95	126.88	120.21
1	A	347	GLY	C-N-CA	6.95	126.88	120.21

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	F	347	GLY	CA-C-N	6.95	126.88	120.21
1	F	347	GLY	C-N-CA	6.95	126.88	120.21
1	H	347	GLY	CA-C-N	6.95	126.88	120.21
1	H	347	GLY	C-N-CA	6.95	126.88	120.21
1	P	347	GLY	CA-C-N	6.95	126.88	120.21
1	P	347	GLY	C-N-CA	6.95	126.88	120.21
1	3	347	GLY	CA-C-N	6.95	126.88	120.21
1	3	347	GLY	C-N-CA	6.95	126.88	120.21
1	d	347	GLY	CA-C-N	6.95	126.88	120.21
1	d	347	GLY	C-N-CA	6.95	126.88	120.21
1	p	347	GLY	CA-C-N	6.95	126.88	120.21
1	p	347	GLY	C-N-CA	6.95	126.88	120.21
1	y	347	GLY	CA-C-N	6.95	126.88	120.21
1	y	347	GLY	C-N-CA	6.95	126.88	120.21
1	7	347	GLY	CA-C-N	6.94	126.87	120.21
1	7	347	GLY	C-N-CA	6.94	126.87	120.21
1	D	347	GLY	CA-C-N	6.93	126.87	120.21
1	D	347	GLY	C-N-CA	6.93	126.87	120.21
1	e	347	GLY	CA-C-N	6.93	126.87	120.21
1	e	347	GLY	C-N-CA	6.93	126.87	120.21
1	z	347	GLY	CA-C-N	6.93	126.87	120.21
1	z	347	GLY	C-N-CA	6.93	126.87	120.21
1	W	347	GLY	CA-C-N	6.93	126.86	120.21
1	W	347	GLY	C-N-CA	6.93	126.86	120.21
1	L	347	GLY	CA-C-N	6.92	126.86	120.21
1	L	347	GLY	C-N-CA	6.92	126.86	120.21
1	S	347	GLY	CA-C-N	6.92	126.86	120.21
1	S	347	GLY	C-N-CA	6.92	126.86	120.21
1	U	347	GLY	CA-C-N	6.92	126.86	120.21
1	U	347	GLY	C-N-CA	6.92	126.86	120.21
1	4	347	GLY	CA-C-N	6.92	126.86	120.21
1	4	347	GLY	C-N-CA	6.92	126.86	120.21
1	l	347	GLY	CA-C-N	6.92	126.86	120.21
1	l	347	GLY	C-N-CA	6.92	126.86	120.21
1	s	347	GLY	CA-C-N	6.92	126.86	120.21
1	s	347	GLY	C-N-CA	6.92	126.86	120.21
1	C	347	GLY	CA-C-N	6.92	126.85	120.21
1	C	347	GLY	C-N-CA	6.92	126.85	120.21
1	I	347	GLY	CA-C-N	6.92	126.85	120.21
1	I	347	GLY	C-N-CA	6.92	126.85	120.21
1	Q	347	GLY	CA-C-N	6.92	126.85	120.21
1	Q	347	GLY	C-N-CA	6.92	126.85	120.21

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	a	347	GLY	CA-C-N	6.92	126.85	120.21
1	a	347	GLY	C-N-CA	6.92	126.85	120.21
1	g	347	GLY	CA-C-N	6.92	126.85	120.21
1	g	347	GLY	C-N-CA	6.92	126.85	120.21
1	j	347	GLY	CA-C-N	6.92	126.85	120.21
1	j	347	GLY	C-N-CA	6.92	126.85	120.21
1	r	347	GLY	CA-C-N	6.92	126.85	120.21
1	r	347	GLY	C-N-CA	6.92	126.85	120.21
1	N	347	GLY	CA-C-N	6.92	126.85	120.21
1	N	347	GLY	C-N-CA	6.92	126.85	120.21
1	Y	347	GLY	CA-C-N	6.92	126.85	120.21
1	Y	347	GLY	C-N-CA	6.92	126.85	120.21
1	c	347	GLY	CA-C-N	6.92	126.85	120.21
1	c	347	GLY	C-N-CA	6.92	126.85	120.21
1	1	347	GLY	CA-C-N	6.92	126.85	120.21
1	1	347	GLY	C-N-CA	6.92	126.85	120.21
1	6	347	GLY	CA-C-N	6.92	126.85	120.21
1	6	347	GLY	C-N-CA	6.92	126.85	120.21
1	u	347	GLY	CA-C-N	6.91	126.85	120.21
1	u	347	GLY	C-N-CA	6.91	126.85	120.21
1	X	347	GLY	CA-C-N	6.91	126.84	120.21
1	X	347	GLY	C-N-CA	6.91	126.84	120.21
1	B	347	GLY	CA-C-N	6.91	126.84	120.21
1	B	347	GLY	C-N-CA	6.91	126.84	120.21
1	k	347	GLY	CA-C-N	6.91	126.84	120.21
1	k	347	GLY	C-N-CA	6.91	126.84	120.21
1	5	347	GLY	CA-C-N	6.89	126.83	120.21
1	5	347	GLY	C-N-CA	6.89	126.83	120.21
1	H	349	THR	N-CA-C	-5.99	97.92	108.23
1	P	349	THR	N-CA-C	-5.99	97.92	108.23
1	d	349	THR	N-CA-C	-5.99	97.92	108.23
1	V	349	THR	N-CA-C	-5.97	97.95	108.23
1	Z	349	THR	N-CA-C	-5.97	97.95	108.23
1	e	349	THR	N-CA-C	-5.97	97.95	108.23
1	z	349	THR	N-CA-C	-5.97	97.95	108.23
1	7	349	THR	N-CA-C	-5.97	97.96	108.23
1	C	349	THR	N-CA-C	-5.97	97.96	108.23
1	M	349	THR	N-CA-C	-5.97	97.96	108.23
1	X	349	THR	N-CA-C	-5.97	97.96	108.23
1	b	349	THR	N-CA-C	-5.97	97.96	108.23
1	f	349	THR	N-CA-C	-5.97	97.96	108.23
1	i	349	THR	N-CA-C	-5.97	97.97	108.23

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5	349	THR	N-CA-C	-5.96	97.97	108.23
1	y	349	THR	N-CA-C	-5.96	97.97	108.23
1	2	349	THR	N-CA-C	-5.96	97.97	108.23
1	B	349	THR	N-CA-C	-5.96	97.97	108.23
1	R	349	THR	N-CA-C	-5.96	97.97	108.23
1	U	349	THR	N-CA-C	-5.96	97.97	108.23
1	k	349	THR	N-CA-C	-5.96	97.97	108.23
1	m	349	THR	N-CA-C	-5.96	97.97	108.23
1	t	349	THR	N-CA-C	-5.96	97.97	108.23
1	D	349	THR	N-CA-C	-5.96	97.98	108.23
1	W	349	THR	N-CA-C	-5.96	97.98	108.23
1	a	349	THR	N-CA-C	-5.96	97.98	108.23
1	A	349	THR	N-CA-C	-5.96	97.99	108.23
1	F	349	THR	N-CA-C	-5.96	97.99	108.23
1	Y	349	THR	N-CA-C	-5.96	97.98	108.23
1	4	349	THR	N-CA-C	-5.96	97.99	108.23
1	3	349	THR	N-CA-C	-5.96	97.99	108.23
1	s	349	THR	N-CA-C	-5.96	97.99	108.23
1	w	349	THR	N-CA-C	-5.96	97.98	108.23
1	c	349	THR	N-CA-C	-5.95	97.99	108.23
1	j	349	THR	N-CA-C	-5.95	97.99	108.23
1	1	349	THR	N-CA-C	-5.95	97.99	108.23
1	o	349	THR	N-CA-C	-5.95	97.99	108.23
1	r	349	THR	N-CA-C	-5.95	97.99	108.23
1	E	349	THR	N-CA-C	-5.95	98.00	108.23
1	G	349	THR	N-CA-C	-5.95	98.00	108.23
1	O	349	THR	N-CA-C	-5.95	98.00	108.23
1	n	349	THR	N-CA-C	-5.95	98.00	108.23
1	p	349	THR	N-CA-C	-5.95	98.00	108.23
1	q	349	THR	N-CA-C	-5.95	98.00	108.23
1	I	349	THR	N-CA-C	-5.95	98.00	108.23
1	J	349	THR	N-CA-C	-5.95	98.00	108.23
1	K	349	THR	N-CA-C	-5.95	98.00	108.23
1	Q	349	THR	N-CA-C	-5.95	98.00	108.23
1	S	349	THR	N-CA-C	-5.95	98.00	108.23
1	T	349	THR	N-CA-C	-5.95	98.00	108.23
1	6	349	THR	N-CA-C	-5.95	98.00	108.23
1	l	349	THR	N-CA-C	-5.95	98.00	108.23
1	v	349	THR	N-CA-C	-5.95	98.00	108.23
1	x	349	THR	N-CA-C	-5.95	98.00	108.23
1	L	349	THR	N-CA-C	-5.94	98.01	108.23
1	g	349	THR	N-CA-C	-5.94	98.01	108.23

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	h	349	THR	N-CA-C	-5.94	98.01	108.23
1	8	349	THR	N-CA-C	-5.93	98.03	108.23
1	u	349	THR	N-CA-C	-5.93	98.03	108.23
1	N	349	THR	N-CA-C	-5.92	98.04	108.23
1	Z	328	GLN	N-CA-C	5.69	121.50	113.02
1	L	328	GLN	N-CA-C	5.68	121.49	113.02
1	2	328	GLN	N-CA-C	5.68	121.48	113.02
1	F	328	GLN	N-CA-C	5.67	121.47	113.02
1	T	328	GLN	N-CA-C	5.67	121.47	113.02
1	X	328	GLN	N-CA-C	5.67	121.47	113.02
1	K	328	GLN	N-CA-C	5.67	121.47	113.02
1	i	328	GLN	N-CA-C	5.67	121.47	113.02
1	q	328	GLN	N-CA-C	5.67	121.47	113.02
1	h	328	GLN	N-CA-C	5.67	121.47	113.02
1	n	328	GLN	N-CA-C	5.67	121.47	113.02
1	p	328	GLN	N-CA-C	5.66	121.46	113.02
1	7	328	GLN	N-CA-C	5.66	121.46	113.02
1	J	328	GLN	N-CA-C	5.66	121.45	113.02
1	S	328	GLN	N-CA-C	5.66	121.45	113.02
1	l	328	GLN	N-CA-C	5.66	121.45	113.02
1	v	328	GLN	N-CA-C	5.66	121.45	113.02
1	8	328	GLN	N-CA-C	5.66	121.45	113.02
1	5	328	GLN	N-CA-C	5.66	121.45	113.02
1	H	328	GLN	N-CA-C	5.65	121.44	113.02
1	P	328	GLN	N-CA-C	5.65	121.44	113.02
1	d	328	GLN	N-CA-C	5.65	121.44	113.02
1	y	328	GLN	N-CA-C	5.65	121.44	113.02
1	r	328	GLN	N-CA-C	5.65	121.44	113.02
1	A	328	GLN	N-CA-C	5.65	121.44	113.02
1	6	328	GLN	N-CA-C	5.65	121.44	113.02
1	4	328	GLN	N-CA-C	5.65	121.44	113.02
1	3	328	GLN	N-CA-C	5.65	121.44	113.02
1	s	328	GLN	N-CA-C	5.65	121.44	113.02
1	x	328	GLN	N-CA-C	5.65	121.44	113.02
1	C	328	GLN	N-CA-C	5.65	121.44	113.02
1	a	328	GLN	N-CA-C	5.65	121.44	113.02
1	b	328	GLN	N-CA-C	5.65	121.44	113.02
1	j	328	GLN	N-CA-C	5.65	121.44	113.02
1	B	328	GLN	N-CA-C	5.64	121.43	113.02
1	R	328	GLN	N-CA-C	5.64	121.43	113.02
1	e	328	GLN	N-CA-C	5.64	121.43	113.02
1	k	328	GLN	N-CA-C	5.64	121.43	113.02

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	g	328	GLN	N-CA-C	5.64	121.43	113.02
1	I	328	GLN	N-CA-C	5.64	121.42	113.02
1	Q	328	GLN	N-CA-C	5.64	121.42	113.02
1	W	328	GLN	N-CA-C	5.64	121.42	113.02
1	m	328	GLN	N-CA-C	5.64	121.42	113.02
1	t	328	GLN	N-CA-C	5.64	121.42	113.02
1	u	328	GLN	N-CA-C	5.64	121.42	113.02
1	E	328	GLN	N-CA-C	5.64	121.42	113.02
1	G	328	GLN	N-CA-C	5.64	121.42	113.02
1	O	328	GLN	N-CA-C	5.64	121.42	113.02
1	f	328	GLN	N-CA-C	5.64	121.42	113.02
1	N	328	GLN	N-CA-C	5.63	121.41	113.02
1	Y	328	GLN	N-CA-C	5.63	121.41	113.02
1	c	328	GLN	N-CA-C	5.63	121.41	113.02
1	1	328	GLN	N-CA-C	5.63	121.41	113.02
1	o	328	GLN	N-CA-C	5.63	121.41	113.02
1	M	328	GLN	N-CA-C	5.63	121.40	113.02
1	U	328	GLN	N-CA-C	5.63	121.40	113.02
1	D	328	GLN	N-CA-C	5.62	121.40	113.02
1	z	328	GLN	N-CA-C	5.62	121.40	113.02
1	V	328	GLN	N-CA-C	5.62	121.39	113.02
1	w	328	GLN	N-CA-C	5.62	121.39	113.02

There are no chirality outliers.

There are no planarity outliers.

5.2 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 the 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 within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1	2628	0	2527	189	0
1	2	2628	0	2527	188	0
1	3	2628	0	2527	188	0
1	4	2628	0	2527	189	0
1	5	2628	0	2527	186	0
1	6	2628	0	2527	188	0
1	7	2628	0	2527	194	0

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	8	2628	0	2527	189	0
1	A	2628	0	2527	188	0
1	B	2628	0	2527	187	0
1	C	2628	0	2527	191	0
1	D	2628	0	2527	187	0
1	E	2628	0	2527	190	0
1	F	2628	0	2527	186	0
1	G	2628	0	2527	187	0
1	H	2628	0	2527	190	0
1	I	2628	0	2527	188	0
1	J	2628	0	2527	185	0
1	K	2628	0	2527	187	0
1	L	2628	0	2527	191	0
1	M	2628	0	2527	189	0
1	N	2628	0	2527	187	0
1	O	2628	0	2527	187	0
1	P	2628	0	2527	191	0
1	Q	2628	0	2527	188	0
1	R	2628	0	2527	185	0
1	S	2628	0	2527	189	0
1	T	2628	0	2527	187	0
1	U	2628	0	2527	188	0
1	V	2628	0	2527	190	0
1	W	2628	0	2527	191	0
1	X	2628	0	2527	188	0
1	Y	2628	0	2527	188	0
1	Z	2628	0	2527	187	0
1	a	2628	0	2527	187	0
1	b	2628	0	2527	187	0
1	c	2628	0	2527	187	0
1	d	2628	0	2527	190	0
1	e	2628	0	2527	191	0
1	f	2628	0	2527	187	0
1	g	2628	0	2527	188	0
1	h	2628	0	2527	188	0
1	i	2628	0	2527	187	0
1	j	2628	0	2527	186	0
1	k	2628	0	2527	188	0
1	l	2628	0	2527	186	0
1	m	2628	0	2527	189	0
1	n	2628	0	2527	189	0
1	o	2628	0	2527	189	0

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	p	2628	0	2527	190	0
1	q	2628	0	2527	187	0
1	r	2628	0	2527	188	0
1	s	2628	0	2527	190	0
1	t	2628	0	2527	189	0
1	u	2628	0	2527	185	0
1	v	2628	0	2527	189	0
1	w	2628	0	2527	183	0
1	x	2628	0	2527	188	0
1	y	2628	0	2527	189	0
1	z	2628	0	2527	185	0
2	1	1	0	0	0	0
2	2	1	0	0	0	0
2	3	1	0	0	0	0
2	4	1	0	0	0	0
2	5	1	0	0	0	0
2	6	1	0	0	0	0
2	7	1	0	0	0	0
2	8	1	0	0	0	0
2	A	1	0	0	0	0
2	B	1	0	0	0	0
2	C	1	0	0	0	0
2	D	1	0	0	0	0
2	E	1	0	0	0	0
2	F	1	0	0	0	0
2	G	1	0	0	0	0
2	H	1	0	0	0	0
2	I	1	0	0	0	0
2	J	1	0	0	0	0
2	K	1	0	0	0	0
2	L	1	0	0	0	0
2	M	1	0	0	0	0
2	N	1	0	0	0	0
2	O	1	0	0	0	0
2	P	1	0	0	0	0
2	Q	1	0	0	0	0
2	R	1	0	0	0	0
2	S	1	0	0	0	0
2	T	1	0	0	0	0
2	U	1	0	0	0	0
2	V	1	0	0	0	0
2	W	1	0	0	0	0

Continued on next page...

Continued from previous page...

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	X	1	0	0	0	0
2	Y	1	0	0	0	0
2	Z	1	0	0	0	0
2	a	1	0	0	0	0
2	b	1	0	0	0	0
2	c	1	0	0	0	0
2	d	1	0	0	0	0
2	e	1	0	0	0	0
2	f	1	0	0	0	0
2	g	1	0	0	0	0
2	h	1	0	0	0	0
2	i	1	0	0	0	0
2	j	1	0	0	0	0
2	k	1	0	0	0	0
2	l	1	0	0	0	0
2	m	1	0	0	0	0
2	n	1	0	0	0	0
2	o	1	0	0	0	0
2	p	1	0	0	0	0
2	q	1	0	0	0	0
2	r	1	0	0	0	0
2	s	1	0	0	0	0
2	t	1	0	0	0	0
2	u	1	0	0	0	0
2	v	1	0	0	0	0
2	w	1	0	0	0	0
2	x	1	0	0	0	0
2	y	1	0	0	0	0
2	z	1	0	0	0	0
All	All	157740	0	151620	9696	0

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 31.

All (9696) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:209:ARG:HB3	1:L:46:VAL:HG11	1.20	1.20
1:f:260:VAL:HG11	1:f:328:GLN:HG3	1.20	1.20
1:Z:260:VAL:HG11	1:Z:328:GLN:HG3	1.20	1.20
1:6:260:VAL:HG11	1:6:328:GLN:HG3	1.20	1.19

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:k:209:ARG:HB3	1:m:46:VAL:HG11	1.21	1.19
1:7:260:VAL:HG11	1:7:328:GLN:HG3	1.20	1.19
1:Y:260:VAL:HG11	1:Y:328:GLN:HG3	1.20	1.19
1:c:260:VAL:HG11	1:c:328:GLN:HG3	1.20	1.18
1:k:46:VAL:HG11	1:l:209:ARG:HB3	1.21	1.17
1:K:209:ARG:HB3	1:2:46:VAL:HG11	1.21	1.17
1:t:209:ARG:HB3	1:v:46:VAL:HG11	1.20	1.17
1:X:209:ARG:HB3	1:4:46:VAL:HG11	1.20	1.17
1:Z:209:ARG:HB3	1:w:46:VAL:HG11	1.22	1.17
1:B:46:VAL:HG11	1:J:209:ARG:HB3	1.21	1.17
1:N:46:VAL:HG11	1:P:209:ARG:HB3	1.21	1.17
1:O:46:VAL:HG11	1:g:209:ARG:HB3	1.21	1.17
1:S:46:VAL:HG11	1:U:209:ARG:HB3	1.21	1.17
1:M:228:PHE:CE2	1:M:230:PHE:HE1	1.64	1.16
1:i:228:PHE:CE2	1:i:230:PHE:HE1	1.63	1.16
1:1:260:VAL:HG11	1:1:328:GLN:HG3	1.20	1.16
1:E:209:ARG:HB3	1:F:46:VAL:HG11	1.20	1.16
1:N:260:VAL:HG11	1:N:328:GLN:HG3	1.20	1.16
1:S:228:PHE:CE2	1:S:230:PHE:HE1	1.63	1.16
1:4:228:PHE:CE2	1:4:230:PHE:HE1	1.64	1.16
1:3:228:PHE:CE2	1:3:230:PHE:HE1	1.64	1.16
1:n:209:ARG:HB3	1:p:46:VAL:HG11	1.21	1.16
1:v:228:PHE:CE2	1:v:230:PHE:HE1	1.64	1.16
1:G:46:VAL:HG11	1:I:209:ARG:HB3	1.21	1.16
1:3:46:VAL:HG11	1:b:209:ARG:HB3	1.20	1.16
1:l:260:VAL:HG11	1:l:328:GLN:HG3	1.20	1.16
1:q:46:VAL:HG11	1:r:209:ARG:HB3	1.21	1.16
1:y:209:ARG:HB3	1:1:46:VAL:HG11	1.21	1.16
1:I:228:PHE:CE2	1:I:230:PHE:HE1	1.64	1.16
1:5:46:VAL:HG11	1:f:209:ARG:HB3	1.22	1.16
1:3:209:ARG:HB3	1:a:46:VAL:HG11	1.20	1.16
1:r:228:PHE:CE2	1:r:230:PHE:HE1	1.64	1.16
1:A:209:ARG:HB3	1:I:46:VAL:HG11	1.20	1.16
1:E:228:PHE:CE2	1:E:230:PHE:HE1	1.63	1.16
1:H:228:PHE:CE2	1:H:230:PHE:HE1	1.64	1.16
1:U:228:PHE:CE2	1:U:230:PHE:HE1	1.64	1.16
1:W:228:PHE:CE2	1:W:230:PHE:HE1	1.64	1.16
1:4:260:VAL:HG11	1:4:328:GLN:HG3	1.20	1.16
1:e:228:PHE:CE2	1:e:230:PHE:HE1	1.64	1.16
1:n:228:PHE:CE2	1:n:230:PHE:HE1	1.64	1.16
1:r:46:VAL:HG11	1:s:209:ARG:HB3	1.21	1.16

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:t:228:PHE:CE2	1:t:230:PHE:HE1	1.63	1.16
1:t:260:VAL:HG11	1:t:328:GLN:HG3	1.20	1.16
1:J:260:VAL:HG11	1:J:328:GLN:HG3	1.20	1.15
1:O:228:PHE:CE2	1:O:230:PHE:HE1	1.64	1.15
1:Z:228:PHE:CE2	1:Z:230:PHE:HE1	1.64	1.15
1:d:228:PHE:CE2	1:d:230:PHE:HE1	1.64	1.15
1:f:228:PHE:CE2	1:f:230:PHE:HE1	1.64	1.15
1:o:228:PHE:CE2	1:o:230:PHE:HE1	1.63	1.15
1:r:260:VAL:HG11	1:r:328:GLN:HG3	1.20	1.15
1:C:209:ARG:HB3	1:M:46:VAL:HG11	1.21	1.15
1:Q:228:PHE:CE2	1:Q:230:PHE:HE1	1.64	1.15
1:i:46:VAL:HG11	1:j:209:ARG:HB3	1.21	1.15
1:j:228:PHE:CE2	1:j:230:PHE:HE1	1.64	1.15
1:k:228:PHE:CE2	1:k:230:PHE:HE1	1.64	1.15
1:z:228:PHE:CE2	1:z:230:PHE:HE1	1.64	1.15
1:2:228:PHE:CE2	1:2:230:PHE:HE1	1.64	1.15
1:B:228:PHE:CE2	1:B:230:PHE:HE1	1.64	1.15
1:C:228:PHE:CE2	1:C:230:PHE:HE1	1.63	1.15
1:D:228:PHE:CE2	1:D:230:PHE:HE1	1.64	1.15
1:V:46:VAL:HG11	1:4:209:ARG:HB3	1.20	1.15
1:3:260:VAL:HG11	1:3:328:GLN:HG3	1.20	1.15
1:F:228:PHE:CE2	1:F:230:PHE:HE1	1.64	1.15
1:g:260:VAL:HG11	1:g:328:GLN:HG3	1.20	1.15
1:u:228:PHE:CE2	1:u:230:PHE:HE1	1.63	1.15
1:I:260:VAL:HG11	1:I:328:GLN:HG3	1.20	1.15
1:R:228:PHE:CE2	1:R:230:PHE:HE1	1.64	1.15
1:U:260:VAL:HG11	1:U:328:GLN:HG3	1.20	1.15
1:8:228:PHE:CE2	1:8:230:PHE:HE1	1.64	1.15
1:7:228:PHE:CE2	1:7:230:PHE:HE1	1.64	1.15
1:5:228:PHE:CE2	1:5:230:PHE:HE1	1.64	1.15
1:h:228:PHE:CE2	1:h:230:PHE:HE1	1.64	1.15
1:p:228:PHE:CE2	1:p:230:PHE:HE1	1.64	1.15
1:q:228:PHE:CE2	1:q:230:PHE:HE1	1.64	1.15
1:w:228:PHE:CE2	1:w:230:PHE:HE1	1.63	1.15
1:A:228:PHE:CE2	1:A:230:PHE:HE1	1.64	1.14
1:G:228:PHE:CE2	1:G:230:PHE:HE1	1.63	1.14
1:6:228:PHE:CE2	1:6:230:PHE:HE1	1.63	1.14
1:C:46:VAL:HG11	1:7:209:ARG:HB3	1.19	1.14
1:K:228:PHE:CE2	1:K:230:PHE:HE1	1.64	1.14
1:T:228:PHE:CE2	1:T:230:PHE:HE1	1.64	1.14
1:m:228:PHE:CE2	1:m:230:PHE:HE1	1.64	1.14

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:s:228:PHE:CE2	1:s:230:PHE:HE1	1.64	1.14
1:y:228:PHE:CE2	1:y:230:PHE:HE1	1.64	1.14
1:K:260:VAL:HG11	1:K:328:GLN:HG3	1.20	1.14
1:L:228:PHE:CE2	1:L:230:PHE:HE1	1.64	1.14
1:Y:228:PHE:CE2	1:Y:230:PHE:HE1	1.64	1.14
1:5:260:VAL:HG11	1:5:328:GLN:HG3	1.20	1.14
1:a:228:PHE:CE2	1:a:230:PHE:HE1	1.64	1.14
1:b:228:PHE:CE2	1:b:230:PHE:HE1	1.64	1.14
1:c:46:VAL:HG11	1:d:209:ARG:HB3	1.21	1.14
1:c:228:PHE:CE2	1:c:230:PHE:HE1	1.64	1.14
1:g:228:PHE:CE2	1:g:230:PHE:HE1	1.64	1.14
1:w:260:VAL:HG11	1:w:328:GLN:HG3	1.20	1.14
1:x:228:PHE:CE2	1:x:230:PHE:HE1	1.64	1.14
1:1:228:PHE:CE2	1:1:230:PHE:HE1	1.64	1.14
1:H:209:ARG:HB3	1:Y:46:VAL:HG11	1.21	1.14
1:P:228:PHE:CE2	1:P:230:PHE:HE1	1.64	1.14
1:V:228:PHE:CE2	1:V:230:PHE:HE1	1.64	1.14
1:X:228:PHE:CE2	1:X:230:PHE:HE1	1.64	1.14
1:X:260:VAL:HG11	1:X:328:GLN:HG3	1.20	1.14
1:N:122:THR:HG22	1:N:123:LYS:H	1.14	1.14
1:N:228:PHE:CE2	1:N:230:PHE:HE1	1.64	1.14
1:1:122:THR:HG22	1:1:123:LYS:H	1.14	1.14
1:H:260:VAL:HG11	1:H:328:GLN:HG3	1.20	1.13
1:K:46:VAL:HG11	1:8:209:ARG:HB3	1.20	1.13
1:b:260:VAL:HG11	1:b:328:GLN:HG3	1.20	1.13
1:d:260:VAL:HG11	1:d:328:GLN:HG3	1.20	1.13
1:D:209:ARG:HB3	1:P:46:VAL:HG11	1.21	1.13
1:O:209:ARG:HB3	1:h:46:VAL:HG11	1.22	1.13
1:6:209:ARG:HB3	1:j:46:VAL:HG11	1.20	1.13
1:u:46:VAL:HG11	1:v:209:ARG:HB3	1.21	1.13
1:y:46:VAL:HG11	1:z:209:ARG:HB3	1.21	1.13
1:J:228:PHE:CE2	1:J:230:PHE:HE1	1.64	1.13
1:M:122:THR:HG22	1:M:123:LYS:H	1.13	1.13
1:8:46:VAL:HG11	1:2:209:ARG:HB3	1.22	1.13
1:g:46:VAL:HG11	1:h:209:ARG:HB3	1.20	1.13
1:i:122:THR:HG22	1:i:123:LYS:H	1.13	1.13
1:q:260:VAL:HG11	1:q:328:GLN:HG3	1.20	1.13
1:y:260:VAL:HG11	1:y:328:GLN:HG3	1.20	1.13
1:G:260:VAL:HG11	1:G:328:GLN:HG3	1.20	1.12
1:J:46:VAL:HG11	1:L:209:ARG:HB3	1.20	1.12
1:M:260:VAL:HG11	1:M:328:GLN:HG3	1.20	1.12

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:260:VAL:HG11	1:O:328:GLN:HG3	1.20	1.12
1:P:260:VAL:HG11	1:P:328:GLN:HG3	1.20	1.13
1:l:228:PHE:CE2	1:l:230:PHE:HE1	1.64	1.13
1:2:260:VAL:HG11	1:2:328:GLN:HG3	1.20	1.13
1:m:260:VAL:HG11	1:m:328:GLN:HG3	1.20	1.12
1:E:260:VAL:HG11	1:E:328:GLN:HG3	1.20	1.12
1:R:46:VAL:HG11	1:S:209:ARG:HB3	1.21	1.12
1:a:209:ARG:HB3	1:b:46:VAL:HG11	1.21	1.12
1:w:209:ARG:HB3	1:x:46:VAL:HG11	1.20	1.12
1:R:209:ARG:HB3	1:U:46:VAL:HG11	1.21	1.12
1:T:46:VAL:HG11	1:5:209:ARG:HB3	1.20	1.12
1:Y:122:THR:HG22	1:Y:123:LYS:H	1.14	1.12
1:8:260:VAL:HG11	1:8:328:GLN:HG3	1.20	1.12
1:h:260:VAL:HG11	1:h:328:GLN:HG3	1.20	1.12
1:j:122:THR:HG22	1:j:123:LYS:H	1.13	1.12
1:l:46:VAL:HG11	1:m:209:ARG:HB3	1.20	1.12
1:n:260:VAL:HG11	1:n:328:GLN:HG3	1.20	1.12
1:t:46:VAL:HG11	1:u:209:ARG:HB3	1.21	1.12
1:T:122:THR:HG22	1:T:123:LYS:H	1.14	1.12
1:V:209:ARG:HB3	1:X:46:VAL:HG11	1.21	1.12
1:c:122:THR:HG22	1:c:123:LYS:H	1.13	1.12
1:i:260:VAL:HG11	1:i:328:GLN:HG3	1.20	1.12
1:l:122:THR:HG22	1:l:123:LYS:H	1.13	1.12
1:o:260:VAL:HG11	1:o:328:GLN:HG3	1.20	1.12
1:v:260:VAL:HG11	1:v:328:GLN:HG3	1.20	1.12
1:z:260:VAL:HG11	1:z:328:GLN:HG3	1.20	1.12
1:C:122:THR:HG22	1:C:123:LYS:H	1.13	1.12
1:L:260:VAL:HG11	1:L:328:GLN:HG3	1.20	1.12
1:O:122:THR:HG22	1:O:123:LYS:H	1.13	1.12
1:Q:260:VAL:HG11	1:Q:328:GLN:HG3	1.20	1.12
1:V:260:VAL:HG11	1:V:328:GLN:HG3	1.20	1.12
1:J:122:THR:HG22	1:J:123:LYS:H	1.13	1.11
1:x:122:THR:HG22	1:x:123:LYS:H	1.14	1.11
1:x:260:VAL:HG11	1:x:328:GLN:HG3	1.20	1.11
1:z:46:VAL:HG11	1:1:209:ARG:HB3	1.21	1.11
1:Q:122:THR:HG22	1:Q:123:LYS:H	1.13	1.11
1:S:260:VAL:HG11	1:S:328:GLN:HG3	1.20	1.11
1:k:260:VAL:HG11	1:k:328:GLN:HG3	1.20	1.11
1:2:122:THR:HG22	1:2:123:LYS:H	1.13	1.11
1:D:260:VAL:HG11	1:D:328:GLN:HG3	1.20	1.11
1:F:260:VAL:HG11	1:F:328:GLN:HG3	1.20	1.11

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:R:260:VAL:HG11	1:R:328:GLN:HG3	1.20	1.11
1:a:260:VAL:HG11	1:a:328:GLN:HG3	1.20	1.11
1:o:122:THR:HG22	1:o:123:LYS:H	1.14	1.11
1:B:260:VAL:HG11	1:B:328:GLN:HG3	1.20	1.11
1:D:46:VAL:HG11	1:N:209:ARG:HB3	1.21	1.11
1:R:122:THR:HG22	1:R:123:LYS:H	1.13	1.11
1:T:260:VAL:HG11	1:T:328:GLN:HG3	1.20	1.11
1:4:122:THR:HG22	1:4:123:LYS:H	1.13	1.11
1:v:122:THR:HG22	1:v:123:LYS:H	1.13	1.11
1:3:122:THR:HG22	1:3:123:LYS:H	1.14	1.10
1:S:122:THR:HG22	1:S:123:LYS:H	1.13	1.10
1:p:260:VAL:HG11	1:p:328:GLN:HG3	1.20	1.10
1:u:122:THR:HG22	1:u:123:LYS:H	1.13	1.10
1:n:46:VAL:HG11	1:o:209:ARG:HB3	1.21	1.10
1:p:122:THR:HG22	1:p:123:LYS:H	1.13	1.10
1:u:260:VAL:HG11	1:u:328:GLN:HG3	1.20	1.10
1:F:122:THR:HG22	1:F:123:LYS:H	1.13	1.10
1:8:122:THR:HG22	1:8:123:LYS:H	1.14	1.10
1:j:260:VAL:HG11	1:j:328:GLN:HG3	1.20	1.10
1:q:209:ARG:HB3	1:s:46:VAL:HG11	1.20	1.10
1:6:46:VAL:HG11	1:i:209:ARG:HB3	1.20	1.10
1:f:122:THR:HG22	1:f:123:LYS:H	1.14	1.10
1:E:46:VAL:HG11	1:Q:209:ARG:HB3	1.21	1.09
1:W:122:THR:HG22	1:W:123:LYS:H	1.13	1.09
1:g:122:THR:HG22	1:g:123:LYS:H	1.14	1.09
1:h:122:THR:HG22	1:h:123:LYS:H	1.14	1.09
1:A:46:VAL:HG11	1:G:209:ARG:HB3	1.20	1.09
1:C:260:VAL:HG11	1:C:328:GLN:HG3	1.20	1.09
1:Z:122:THR:HG22	1:Z:123:LYS:H	1.13	1.09
1:o:46:VAL:HG11	1:p:209:ARG:HB3	1.21	1.09
1:F:209:ARG:HB3	1:Q:46:VAL:HG11	1.20	1.09
1:S:228:PHE:HE2	1:S:230:PHE:CE1	1.71	1.09
1:Z:228:PHE:HE2	1:Z:230:PHE:CE1	1.71	1.09
1:e:122:THR:HG22	1:e:123:LYS:H	1.14	1.09
1:p:228:PHE:HE2	1:p:230:PHE:CE1	1.71	1.09
1:v:228:PHE:HE2	1:v:230:PHE:CE1	1.71	1.09
1:E:122:THR:HG22	1:E:123:LYS:H	1.13	1.09
1:F:228:PHE:HE2	1:F:230:PHE:CE1	1.71	1.09
1:K:122:THR:HG22	1:K:123:LYS:H	1.14	1.09
1:M:209:ARG:HB3	1:7:46:VAL:HG11	1.18	1.09
1:Q:228:PHE:HE2	1:Q:230:PHE:CE1	1.71	1.09

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:T:209:ARG:HB3	1:f:46:VAL:HG11	1.21	1.09
1:Z:46:VAL:HG11	1:x:209:ARG:HB3	1.21	1.09
1:f:228:PHE:HE2	1:f:230:PHE:CE1	1.71	1.09
1:o:228:PHE:HE2	1:o:230:PHE:CE1	1.71	1.09
1:s:260:VAL:HG11	1:s:328:GLN:HG3	1.20	1.09
1:D:228:PHE:HE2	1:D:230:PHE:CE1	1.71	1.09
1:H:46:VAL:HG11	1:W:209:ARG:HB3	1.21	1.09
1:O:228:PHE:HE2	1:O:230:PHE:CE1	1.71	1.09
1:V:228:PHE:HE2	1:V:230:PHE:CE1	1.71	1.09
1:a:228:PHE:HE2	1:a:230:PHE:CE1	1.71	1.09
1:c:209:ARG:HB3	1:e:46:VAL:HG11	1.21	1.09
1:d:228:PHE:HE2	1:d:230:PHE:CE1	1.71	1.09
1:n:122:THR:HG22	1:n:123:LYS:H	1.13	1.09
1:t:122:THR:HG22	1:t:123:LYS:H	1.13	1.09
1:2:228:PHE:HE2	1:2:230:PHE:CE1	1.71	1.09
1:A:228:PHE:HE2	1:A:230:PHE:CE1	1.71	1.08
1:H:228:PHE:HE2	1:H:230:PHE:CE1	1.71	1.08
1:s:228:PHE:HE2	1:s:230:PHE:CE1	1.71	1.08
1:z:228:PHE:HE2	1:z:230:PHE:CE1	1.71	1.08
1:A:260:VAL:HG11	1:A:328:GLN:HG3	1.20	1.08
1:y:228:PHE:HE2	1:y:230:PHE:CE1	1.71	1.08
1:J:228:PHE:HE2	1:J:230:PHE:CE1	1.71	1.08
1:P:228:PHE:HE2	1:P:230:PHE:CE1	1.71	1.08
1:U:122:THR:HG22	1:U:123:LYS:H	1.13	1.08
1:W:46:VAL:HG11	1:Y:209:ARG:HB3	1.21	1.08
1:7:228:PHE:HE2	1:7:230:PHE:CE1	1.71	1.08
1:6:228:PHE:HE2	1:6:230:PHE:CE1	1.71	1.08
1:d:46:VAL:HG11	1:e:209:ARG:HB3	1.21	1.08
1:l:228:PHE:HE2	1:l:230:PHE:CE1	1.71	1.08
1:K:228:PHE:HE2	1:K:230:PHE:CE1	1.71	1.08
1:L:228:PHE:HE2	1:L:230:PHE:CE1	1.71	1.08
1:R:228:PHE:HE2	1:R:230:PHE:CE1	1.71	1.08
1:W:228:PHE:HE2	1:W:230:PHE:CE1	1.71	1.08
1:X:228:PHE:HE2	1:X:230:PHE:CE1	1.71	1.08
1:Y:228:PHE:HE2	1:Y:230:PHE:CE1	1.71	1.08
1:b:228:PHE:HE2	1:b:230:PHE:CE1	1.71	1.08
1:c:228:PHE:HE2	1:c:230:PHE:CE1	1.71	1.08
1:g:228:PHE:HE2	1:g:230:PHE:CE1	1.71	1.08
1:m:228:PHE:HE2	1:m:230:PHE:CE1	1.71	1.08
1:u:228:PHE:HE2	1:u:230:PHE:CE1	1.71	1.08
1:B:228:PHE:HE2	1:B:230:PHE:CE1	1.71	1.08

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:W:260:VAL:HG11	1:W:328:GLN:HG3	1.20	1.08
1:e:228:PHE:HE2	1:e:230:PHE:CE1	1.71	1.08
1:k:228:PHE:HE2	1:k:230:PHE:CE1	1.71	1.08
1:C:228:PHE:HE2	1:C:230:PHE:CE1	1.71	1.07
1:E:228:PHE:HE2	1:E:230:PHE:CE1	1.71	1.07
1:I:228:PHE:HE2	1:I:230:PHE:CE1	1.71	1.07
1:M:228:PHE:HE2	1:M:230:PHE:CE1	1.71	1.07
1:h:228:PHE:HE2	1:h:230:PHE:CE1	1.71	1.07
1:i:228:PHE:HE2	1:i:230:PHE:CE1	1.71	1.07
1:j:228:PHE:HE2	1:j:230:PHE:CE1	1.71	1.07
1:r:228:PHE:HE2	1:r:230:PHE:CE1	1.71	1.07
1:B:122:THR:HG22	1:B:123:LYS:H	1.13	1.07
1:8:228:PHE:HE2	1:8:230:PHE:CE1	1.71	1.07
1:n:228:PHE:HE2	1:n:230:PHE:CE1	1.71	1.07
1:G:122:THR:HG22	1:G:123:LYS:H	1.13	1.07
1:4:228:PHE:HE2	1:4:230:PHE:CE1	1.71	1.07
1:d:122:THR:HG22	1:d:123:LYS:H	1.13	1.07
1:x:228:PHE:HE2	1:x:230:PHE:CE1	1.71	1.07
1:T:228:PHE:HE2	1:T:230:PHE:CE1	1.71	1.07
1:V:122:THR:HG22	1:V:123:LYS:H	1.13	1.07
1:3:228:PHE:HE2	1:3:230:PHE:CE1	1.71	1.07
1:e:260:VAL:HG11	1:e:328:GLN:HG3	1.20	1.07
1:t:228:PHE:HE2	1:t:230:PHE:CE1	1.71	1.07
1:1:228:PHE:HE2	1:1:230:PHE:CE1	1.71	1.07
1:N:228:PHE:HE2	1:N:230:PHE:CE1	1.71	1.07
1:U:228:PHE:HE2	1:U:230:PHE:CE1	1.71	1.07
1:k:122:THR:HG22	1:k:123:LYS:H	1.13	1.07
1:D:122:THR:HG22	1:D:123:LYS:H	1.13	1.06
1:H:122:THR:HG22	1:H:123:LYS:H	1.13	1.06
1:5:228:PHE:HE2	1:5:230:PHE:CE1	1.71	1.06
1:q:122:THR:HG22	1:q:123:LYS:H	1.13	1.06
1:z:122:THR:HG22	1:z:123:LYS:H	1.13	1.06
1:X:122:THR:HG22	1:X:123:LYS:H	1.14	1.06
1:w:228:PHE:HE2	1:w:230:PHE:CE1	1.71	1.06
1:a:122:THR:HG22	1:a:123:LYS:H	1.13	1.06
1:q:228:PHE:HE2	1:q:230:PHE:CE1	1.71	1.06
1:G:228:PHE:HE2	1:G:230:PHE:CE1	1.71	1.06
1:I:122:THR:HG22	1:I:123:LYS:H	1.13	1.06
1:6:122:THR:HG22	1:6:123:LYS:H	1.13	1.06
1:7:122:THR:HG22	1:7:123:LYS:H	1.13	1.06
1:b:122:THR:HG22	1:b:123:LYS:H	1.14	1.05

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:m:122:THR:HG22	1:m:123:LYS:H	1.13	1.05
1:r:122:THR:HG22	1:r:123:LYS:H	1.13	1.05
1:w:122:THR:HG22	1:w:123:LYS:H	1.14	1.05
1:L:122:THR:HG22	1:L:123:LYS:H	1.13	1.05
1:5:122:THR:HG22	1:5:123:LYS:H	1.13	1.05
1:s:122:THR:HG22	1:s:123:LYS:H	1.14	1.04
1:A:122:THR:HG22	1:A:123:LYS:H	1.13	1.04
1:P:122:THR:HG22	1:P:123:LYS:H	1.13	1.04
1:y:122:THR:HG22	1:y:123:LYS:H	1.14	1.04
1:C:260:VAL:CG1	1:C:328:GLN:HG3	1.89	1.03
1:7:260:VAL:CG1	1:7:328:GLN:HG3	1.89	1.03
1:6:260:VAL:CG1	1:6:328:GLN:HG3	1.89	1.03
1:j:260:VAL:CG1	1:j:328:GLN:HG3	1.89	1.03
1:s:260:VAL:CG1	1:s:328:GLN:HG3	1.89	1.03
1:A:260:VAL:CG1	1:A:328:GLN:HG3	1.89	1.03
1:D:260:VAL:CG1	1:D:328:GLN:HG3	1.89	1.03
1:J:260:VAL:CG1	1:J:328:GLN:HG3	1.89	1.03
1:Q:260:VAL:CG1	1:Q:328:GLN:HG3	1.89	1.03
1:l:260:VAL:CG1	1:l:328:GLN:HG3	1.89	1.03
1:o:260:VAL:CG1	1:o:328:GLN:HG3	1.89	1.03
1:z:260:VAL:CG1	1:z:328:GLN:HG3	1.89	1.03
1:X:260:VAL:CG1	1:X:328:GLN:HG3	1.89	1.03
1:L:260:VAL:CG1	1:L:328:GLN:HG3	1.89	1.02
1:b:260:VAL:CG1	1:b:328:GLN:HG3	1.89	1.02
1:m:260:VAL:CG1	1:m:328:GLN:HG3	1.89	1.02
1:K:260:VAL:CG1	1:K:328:GLN:HG3	1.89	1.02
1:V:122:THR:HG22	1:V:123:LYS:N	1.73	1.02
1:a:122:THR:HG22	1:a:123:LYS:N	1.73	1.02
1:g:260:VAL:CG1	1:g:328:GLN:HG3	1.89	1.02
1:N:122:THR:HG22	1:N:123:LYS:N	1.73	1.02
1:F:260:VAL:CG1	1:F:328:GLN:HG3	1.89	1.02
1:R:260:VAL:CG1	1:R:328:GLN:HG3	1.89	1.02
1:p:260:VAL:CG1	1:p:328:GLN:HG3	1.89	1.02
1:u:260:VAL:CG1	1:u:328:GLN:HG3	1.89	1.02
1:v:260:VAL:CG1	1:v:328:GLN:HG3	1.89	1.02
1:1:122:THR:HG22	1:1:123:LYS:N	1.73	1.02
1:M:260:VAL:CG1	1:M:328:GLN:HG3	1.89	1.02
1:O:260:VAL:CG1	1:O:328:GLN:HG3	1.89	1.02
1:Y:260:VAL:CG1	1:Y:328:GLN:HG3	1.89	1.02
1:3:260:VAL:CG1	1:3:328:GLN:HG3	1.89	1.02
1:c:260:VAL:CG1	1:c:328:GLN:HG3	1.89	1.02

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:e:260:VAL:CG1	1:e:328:GLN:HG3	1.89	1.02
1:i:260:VAL:CG1	1:i:328:GLN:HG3	1.89	1.02
1:r:260:VAL:CG1	1:r:328:GLN:HG3	1.89	1.02
1:B:260:VAL:CG1	1:B:328:GLN:HG3	1.89	1.01
1:I:260:VAL:CG1	1:I:328:GLN:HG3	1.89	1.01
1:S:260:VAL:CG1	1:S:328:GLN:HG3	1.89	1.01
1:T:260:VAL:CG1	1:T:328:GLN:HG3	1.89	1.01
1:W:260:VAL:CG1	1:W:328:GLN:HG3	1.89	1.01
1:Z:260:VAL:CG1	1:Z:328:GLN:HG3	1.89	1.01
1:5:260:VAL:CG1	1:5:328:GLN:HG3	1.89	1.01
1:4:260:VAL:CG1	1:4:328:GLN:HG3	1.89	1.01
1:f:260:VAL:CG1	1:f:328:GLN:HG3	1.89	1.01
1:2:260:VAL:CG1	1:2:328:GLN:HG3	1.89	1.01
1:E:260:VAL:CG1	1:E:328:GLN:HG3	1.89	1.01
1:H:260:VAL:CG1	1:H:328:GLN:HG3	1.89	1.01
1:k:260:VAL:CG1	1:k:328:GLN:HG3	1.89	1.01
1:n:260:VAL:CG1	1:n:328:GLN:HG3	1.89	1.01
1:w:260:VAL:CG1	1:w:328:GLN:HG3	1.89	1.01
1:x:260:VAL:CG1	1:x:328:GLN:HG3	1.89	1.01
1:1:260:VAL:CG1	1:1:328:GLN:HG3	1.89	1.01
1:N:260:VAL:CG1	1:N:328:GLN:HG3	1.89	1.01
1:Q:122:THR:HG22	1:Q:123:LYS:N	1.73	1.01
1:d:260:VAL:CG1	1:d:328:GLN:HG3	1.89	1.01
1:o:122:THR:HG22	1:o:123:LYS:N	1.73	1.01
1:y:260:VAL:CG1	1:y:328:GLN:HG3	1.89	1.01
1:P:260:VAL:CG1	1:P:328:GLN:HG3	1.89	1.01
1:7:122:THR:HG22	1:7:123:LYS:N	1.73	1.01
1:S:122:THR:HG22	1:S:123:LYS:N	1.73	1.01
1:U:260:VAL:CG1	1:U:328:GLN:HG3	1.89	1.01
1:8:260:VAL:CG1	1:8:328:GLN:HG3	1.89	1.01
1:6:122:THR:HG22	1:6:123:LYS:N	1.73	1.01
1:t:260:VAL:CG1	1:t:328:GLN:HG3	1.89	1.01
1:V:260:VAL:CG1	1:V:328:GLN:HG3	1.89	1.00
1:a:260:VAL:CG1	1:a:328:GLN:HG3	1.89	1.00
1:h:228:PHE:CE2	1:h:230:PHE:CE1	2.49	1.00
1:h:260:VAL:CG1	1:h:328:GLN:HG3	1.89	1.00
1:k:228:PHE:CE2	1:k:230:PHE:CE1	2.49	1.00
1:B:228:PHE:CE2	1:B:230:PHE:CE1	2.49	1.00
1:G:260:VAL:CG1	1:G:328:GLN:HG3	1.89	1.00
1:q:260:VAL:CG1	1:q:328:GLN:HG3	1.89	1.00
1:v:122:THR:HG22	1:v:123:LYS:N	1.73	1.00

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:228:PHE:CE2	1:I:230:PHE:CE1	2.49	1.00
1:4:228:PHE:CE2	1:4:230:PHE:CE1	2.49	1.00
1:3:228:PHE:CE2	1:3:230:PHE:CE1	2.49	1.00
1:c:122:THR:HG22	1:c:123:LYS:N	1.73	1.00
1:n:122:THR:HG22	1:n:123:LYS:N	1.73	1.00
1:r:228:PHE:CE2	1:r:230:PHE:CE1	2.49	1.00
1:E:122:THR:HG22	1:E:123:LYS:N	1.73	1.00
1:Y:122:THR:HG22	1:Y:123:LYS:N	1.73	1.00
1:g:228:PHE:CE2	1:g:230:PHE:CE1	2.49	1.00
1:J:122:THR:HG22	1:J:123:LYS:N	1.73	1.00
1:K:228:PHE:CE2	1:K:230:PHE:CE1	2.49	1.00
1:C:122:THR:HG22	1:C:123:LYS:N	1.73	0.99
1:Z:228:PHE:CE2	1:Z:230:PHE:CE1	2.49	0.99
1:f:228:PHE:CE2	1:f:230:PHE:CE1	2.49	0.99
1:l:122:THR:HG22	1:l:123:LYS:N	1.73	0.99
1:b:228:PHE:CE2	1:b:230:PHE:CE1	2.49	0.99
1:j:122:THR:HG22	1:j:123:LYS:N	1.73	0.99
1:s:122:THR:HG22	1:s:123:LYS:N	1.73	0.99
1:X:228:PHE:CE2	1:X:230:PHE:CE1	2.49	0.99
1:t:122:THR:HG22	1:t:123:LYS:N	1.73	0.99
1:8:122:THR:HG22	1:8:123:LYS:N	1.73	0.99
1:A:122:THR:HG22	1:A:123:LYS:N	1.73	0.99
1:U:122:THR:HG22	1:U:123:LYS:N	1.73	0.99
1:V:228:PHE:CE2	1:V:230:PHE:CE1	2.49	0.99
1:F:228:PHE:CE2	1:F:230:PHE:CE1	2.49	0.99
1:h:122:THR:HG22	1:h:123:LYS:N	1.73	0.99
1:D:228:PHE:CE2	1:D:230:PHE:CE1	2.49	0.98
1:a:228:PHE:CE2	1:a:230:PHE:CE1	2.49	0.98
1:p:228:PHE:CE2	1:p:230:PHE:CE1	2.49	0.98
1:2:122:THR:HG22	1:2:123:LYS:N	1.73	0.98
1:z:228:PHE:CE2	1:z:230:PHE:CE1	2.49	0.98
1:4:122:THR:HG22	1:4:123:LYS:N	1.73	0.98
1:O:122:THR:HG22	1:O:123:LYS:N	1.73	0.98
1:z:122:THR:HG22	1:z:123:LYS:N	1.73	0.98
1:M:209:ARG:CB	1:7:46:VAL:HG11	1.93	0.98
1:i:122:THR:HG22	1:i:123:LYS:N	1.73	0.98
1:3:122:THR:HG22	1:3:123:LYS:N	1.73	0.98
1:M:122:THR:HG22	1:M:123:LYS:N	1.73	0.97
1:y:122:THR:HG22	1:y:123:LYS:N	1.73	0.97
1:7:228:PHE:CE2	1:7:230:PHE:CE1	2.49	0.97
1:L:122:THR:HG22	1:L:123:LYS:N	1.73	0.97

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:260:VAL:HG11	1:I:328:GLN:CG	1.95	0.97
1:P:122:THR:HG22	1:P:123:LYS:N	1.73	0.97
1:6:228:PHE:CE2	1:6:230:PHE:CE1	2.49	0.97
1:r:122:THR:HG22	1:r:123:LYS:N	1.73	0.97
1:u:228:PHE:CE2	1:u:230:PHE:CE1	2.49	0.97
1:y:228:PHE:CE2	1:y:230:PHE:CE1	2.49	0.97
1:E:228:PHE:CE2	1:E:230:PHE:CE1	2.49	0.97
1:R:228:PHE:CE2	1:R:230:PHE:CE1	2.49	0.97
1:d:122:THR:HG22	1:d:123:LYS:N	1.73	0.97
1:l:260:VAL:HG11	1:l:328:GLN:CG	1.95	0.97
1:m:122:THR:HG22	1:m:123:LYS:N	1.73	0.97
1:r:260:VAL:HG11	1:r:328:GLN:CG	1.95	0.97
1:H:122:THR:HG22	1:H:123:LYS:N	1.73	0.97
1:I:122:THR:HG22	1:I:123:LYS:N	1.73	0.97
1:J:260:VAL:HG11	1:J:328:GLN:CG	1.95	0.97
1:Y:260:VAL:HG11	1:Y:328:GLN:CG	1.95	0.97
1:N:228:PHE:CE2	1:N:230:PHE:CE1	2.49	0.97
1:P:228:PHE:CE2	1:P:230:PHE:CE1	2.49	0.97
1:c:260:VAL:HG11	1:c:328:GLN:CG	1.95	0.97
1:p:260:VAL:HG11	1:p:328:GLN:CG	1.95	0.97
1:t:228:PHE:CE2	1:t:230:PHE:CE1	2.49	0.96
1:F:260:VAL:HG11	1:F:328:GLN:CG	1.95	0.96
1:O:260:VAL:HG11	1:O:328:GLN:CG	1.95	0.96
1:W:122:THR:HG22	1:W:123:LYS:N	1.73	0.96
1:3:46:VAL:HG11	1:b:209:ARG:CB	1.95	0.96
1:b:122:THR:HG22	1:b:123:LYS:N	1.73	0.96
1:n:228:PHE:CE2	1:n:230:PHE:CE1	2.49	0.96
1:w:122:THR:HG22	1:w:123:LYS:N	1.73	0.96
1:1:228:PHE:CE2	1:1:230:PHE:CE1	2.49	0.96
1:M:260:VAL:HG11	1:M:328:GLN:CG	1.95	0.96
1:P:260:VAL:HG11	1:P:328:GLN:CG	1.95	0.96
1:X:209:ARG:CB	1:4:46:VAL:HG11	1.95	0.96
1:8:260:VAL:HG11	1:8:328:GLN:CG	1.95	0.96
1:5:122:THR:HG22	1:5:123:LYS:N	1.73	0.96
1:j:260:VAL:HG11	1:j:328:GLN:CG	1.95	0.96
1:C:260:VAL:HG11	1:C:328:GLN:CG	1.95	0.96
1:K:260:VAL:HG11	1:K:328:GLN:CG	1.95	0.96
1:6:46:VAL:HG11	1:i:209:ARG:CB	1.95	0.96
1:a:260:VAL:HG11	1:a:328:GLN:CG	1.95	0.96
1:g:260:VAL:HG11	1:g:328:GLN:CG	1.95	0.96
1:h:260:VAL:HG11	1:h:328:GLN:CG	1.95	0.96

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:i:260:VAL:HG11	1:i:328:GLN:CG	1.95	0.96
1:x:122:THR:HG22	1:x:123:LYS:N	1.73	0.96
1:y:260:VAL:HG11	1:y:328:GLN:CG	1.95	0.96
1:2:260:VAL:HG11	1:2:328:GLN:CG	1.95	0.96
1:A:209:ARG:CB	1:I:46:VAL:HG11	1.95	0.96
1:R:46:VAL:HG11	1:S:209:ARG:CB	1.96	0.96
1:U:228:PHE:CE2	1:U:230:PHE:CE1	2.49	0.96
1:U:260:VAL:HG11	1:U:328:GLN:CG	1.95	0.96
1:V:46:VAL:HG11	1:4:209:ARG:CB	1.95	0.96
1:W:260:VAL:HG11	1:W:328:GLN:CG	1.95	0.96
1:X:260:VAL:HG11	1:X:328:GLN:CG	1.95	0.96
1:b:260:VAL:HG11	1:b:328:GLN:CG	1.95	0.96
1:c:209:ARG:CB	1:e:46:VAL:HG11	1.96	0.96
1:e:260:VAL:HG11	1:e:328:GLN:CG	1.95	0.96
1:k:243:ASN:HD22	1:k:246:MET:HG2	1.31	0.96
1:u:46:VAL:HG11	1:v:209:ARG:CB	1.96	0.96
1:B:243:ASN:HD22	1:B:246:MET:HG2	1.31	0.96
1:B:260:VAL:HG11	1:B:328:GLN:CG	1.95	0.96
1:C:228:PHE:CE2	1:C:230:PHE:CE1	2.49	0.96
1:Q:260:VAL:HG11	1:Q:328:GLN:CG	1.95	0.96
1:W:46:VAL:HG11	1:Y:209:ARG:CB	1.96	0.96
1:e:122:THR:HG22	1:e:123:LYS:N	1.73	0.96
1:k:260:VAL:HG11	1:k:328:GLN:CG	1.95	0.96
1:l:243:ASN:HD22	1:l:246:MET:HG2	1.31	0.96
1:t:260:VAL:HG11	1:t:328:GLN:CG	1.95	0.96
1:B:209:ARG:CB	1:L:46:VAL:HG11	1.95	0.96
1:E:260:VAL:HG11	1:E:328:GLN:CG	1.95	0.96
1:J:228:PHE:CE2	1:J:230:PHE:CE1	2.49	0.96
1:N:260:VAL:HG11	1:N:328:GLN:CG	1.95	0.96
1:V:260:VAL:HG11	1:V:328:GLN:CG	1.95	0.96
1:X:122:THR:HG22	1:X:123:LYS:N	1.73	0.96
1:3:209:ARG:CB	1:a:46:VAL:HG11	1.95	0.96
1:b:243:ASN:HD22	1:b:246:MET:HG2	1.31	0.96
1:o:260:VAL:HG11	1:o:328:GLN:CG	1.95	0.96
1:E:209:ARG:CB	1:F:46:VAL:HG11	1.96	0.96
1:H:243:ASN:HD22	1:H:246:MET:HG2	1.31	0.96
1:J:243:ASN:HD22	1:J:246:MET:HG2	1.31	0.96
1:5:243:ASN:HD22	1:5:246:MET:HG2	1.31	0.96
1:j:228:PHE:CE2	1:j:230:PHE:CE1	2.49	0.96
1:k:122:THR:HG22	1:k:123:LYS:N	1.73	0.96
1:n:260:VAL:HG11	1:n:328:GLN:CG	1.95	0.96

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:r:243:ASN:HD22	1:r:246:MET:HG2	1.31	0.96
1:t:209:ARG:CB	1:v:46:VAL:HG11	1.96	0.96
1:w:243:ASN:HD22	1:w:246:MET:HG2	1.31	0.96
1:1:260:VAL:HG11	1:1:328:GLN:CG	1.95	0.96
1:d:243:ASN:HD22	1:d:246:MET:HG2	1.31	0.96
1:f:122:THR:HG22	1:f:123:LYS:N	1.73	0.96
1:k:209:ARG:CB	1:m:46:VAL:HG11	1.95	0.96
1:l:228:PHE:CE2	1:l:230:PHE:CE1	2.49	0.96
1:B:122:THR:HG22	1:B:123:LYS:N	1.73	0.96
1:I:243:ASN:HD22	1:I:246:MET:HG2	1.31	0.96
1:O:243:ASN:HD22	1:O:246:MET:HG2	1.31	0.96
1:S:46:VAL:HG11	1:U:209:ARG:CB	1.96	0.96
1:T:122:THR:HG22	1:T:123:LYS:N	1.73	0.96
1:X:243:ASN:HD22	1:X:246:MET:HG2	1.31	0.96
1:2:243:ASN:HD22	1:2:246:MET:HG2	1.31	0.96
1:5:260:VAL:HG11	1:5:328:GLN:CG	1.95	0.95
1:n:46:VAL:HG11	1:o:209:ARG:CB	1.96	0.95
1:n:209:ARG:CB	1:p:46:VAL:HG11	1.96	0.95
1:q:122:THR:HG22	1:q:123:LYS:N	1.73	0.95
1:t:46:VAL:HG11	1:u:209:ARG:CB	1.96	0.95
1:y:209:ARG:CB	1:1:46:VAL:HG11	1.96	0.95
1:D:46:VAL:HG11	1:N:209:ARG:CB	1.96	0.95
1:N:46:VAL:HG11	1:P:209:ARG:CB	1.96	0.95
1:4:260:VAL:HG11	1:4:328:GLN:CG	1.95	0.95
1:p:122:THR:HG22	1:p:123:LYS:N	1.73	0.95
1:q:46:VAL:HG11	1:r:209:ARG:CB	1.96	0.95
1:E:46:VAL:HG11	1:Q:209:ARG:CB	1.96	0.95
1:G:46:VAL:HG11	1:I:209:ARG:CB	1.96	0.95
1:P:243:ASN:HD22	1:P:246:MET:HG2	1.31	0.95
1:R:209:ARG:CB	1:U:46:VAL:HG11	1.96	0.95
1:3:260:VAL:HG11	1:3:328:GLN:CG	1.95	0.95
1:g:122:THR:HG22	1:g:123:LYS:N	1.73	0.95
1:o:46:VAL:HG11	1:p:209:ARG:CB	1.95	0.95
1:o:228:PHE:CE2	1:o:230:PHE:CE1	2.49	0.95
1:r:46:VAL:HG11	1:s:209:ARG:CB	1.96	0.95
1:u:260:VAL:HG11	1:u:328:GLN:CG	1.95	0.95
1:w:260:VAL:HG11	1:w:328:GLN:CG	1.95	0.95
1:y:243:ASN:HD22	1:y:246:MET:HG2	1.31	0.95
1:z:46:VAL:HG11	1:1:209:ARG:CB	1.96	0.95
1:C:46:VAL:HG11	1:7:209:ARG:CB	1.95	0.95
1:F:243:ASN:HD22	1:F:246:MET:HG2	1.31	0.95

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:122:THR:HG22	1:G:123:LYS:N	1.73	0.95
1:T:46:VAL:HG11	1:5:209:ARG:CB	1.96	0.95
1:Z:122:THR:HG22	1:Z:123:LYS:N	1.73	0.95
1:w:209:ARG:CB	1:x:46:VAL:HG11	1.96	0.95
1:A:46:VAL:HG11	1:G:209:ARG:CB	1.95	0.95
1:F:209:ARG:CB	1:Q:46:VAL:HG11	1.96	0.95
1:Q:228:PHE:CE2	1:Q:230:PHE:CE1	2.49	0.95
1:6:260:VAL:HG11	1:6:328:GLN:CG	1.95	0.95
1:i:228:PHE:CE2	1:i:230:PHE:CE1	2.49	0.95
1:m:228:PHE:CE2	1:m:230:PHE:CE1	2.49	0.95
1:G:260:VAL:HG11	1:G:328:GLN:CG	1.95	0.95
1:M:228:PHE:CE2	1:M:230:PHE:CE1	2.49	0.95
1:R:260:VAL:HG11	1:R:328:GLN:CG	1.95	0.95
1:S:260:VAL:HG11	1:S:328:GLN:CG	1.95	0.95
1:8:46:VAL:HG11	1:2:209:ARG:CB	1.97	0.95
1:7:260:VAL:HG11	1:7:328:GLN:CG	1.95	0.95
1:6:209:ARG:CB	1:j:46:VAL:HG11	1.95	0.95
1:m:260:VAL:HG11	1:m:328:GLN:CG	1.95	0.95
1:p:243:ASN:HD22	1:p:246:MET:HG2	1.31	0.95
1:q:209:ARG:CB	1:s:46:VAL:HG11	1.95	0.95
1:q:260:VAL:HG11	1:q:328:GLN:CG	1.95	0.95
1:F:122:THR:HG22	1:F:123:LYS:N	1.73	0.95
1:K:46:VAL:HG11	1:8:209:ARG:CB	1.96	0.95
1:L:260:VAL:HG11	1:L:328:GLN:CG	1.95	0.95
1:Q:243:ASN:HD22	1:Q:246:MET:HG2	1.31	0.95
1:W:228:PHE:CE2	1:W:230:PHE:CE1	2.49	0.95
1:3:133:LEU:H	1:3:213:GLN:HE21	1.15	0.95
1:c:46:VAL:HG11	1:d:209:ARG:CB	1.96	0.95
1:g:46:VAL:HG11	1:h:209:ARG:CB	1.96	0.95
1:k:46:VAL:HG11	1:l:209:ARG:CB	1.96	0.95
1:D:260:VAL:HG11	1:D:328:GLN:CG	1.95	0.95
1:H:209:ARG:CB	1:Y:46:VAL:HG11	1.96	0.95
1:O:46:VAL:HG11	1:g:209:ARG:CB	1.96	0.95
1:V:209:ARG:CB	1:X:46:VAL:HG11	1.96	0.95
1:4:133:LEU:H	1:4:213:GLN:HE21	1.15	0.95
1:f:260:VAL:HG11	1:f:328:GLN:CG	1.95	0.95
1:v:260:VAL:HG11	1:v:328:GLN:CG	1.95	0.95
1:x:260:VAL:HG11	1:x:328:GLN:CG	1.95	0.95
1:B:46:VAL:HG11	1:J:209:ARG:CB	1.96	0.95
1:K:209:ARG:CB	1:2:46:VAL:HG11	1.96	0.95
1:L:228:PHE:CE2	1:L:230:PHE:CE1	2.49	0.95

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:T:209:ARG:CB	1:f:46:VAL:HG11	1.96	0.95
1:T:260:VAL:HG11	1:T:328:GLN:CG	1.95	0.95
1:Z:260:VAL:HG11	1:Z:328:GLN:CG	1.95	0.95
1:a:209:ARG:CB	1:b:46:VAL:HG11	1.96	0.95
1:d:133:LEU:H	1:d:213:GLN:HE21	1.15	0.95
1:z:260:VAL:HG11	1:z:328:GLN:CG	1.95	0.95
1:G:243:ASN:HD22	1:G:246:MET:HG2	1.31	0.95
1:H:46:VAL:HG11	1:W:209:ARG:CB	1.96	0.95
1:K:122:THR:HG22	1:K:123:LYS:N	1.73	0.95
1:O:209:ARG:CB	1:h:46:VAL:HG11	1.97	0.95
1:d:46:VAL:HG11	1:e:209:ARG:CB	1.96	0.95
1:o:243:ASN:HD22	1:o:246:MET:HG2	1.31	0.95
1:x:228:PHE:CE2	1:x:230:PHE:CE1	2.49	0.95
1:H:133:LEU:H	1:H:213:GLN:HE21	1.15	0.94
1:H:260:VAL:HG11	1:H:328:GLN:CG	1.95	0.94
1:X:133:LEU:H	1:X:213:GLN:HE21	1.15	0.94
1:Z:46:VAL:HG11	1:x:209:ARG:CB	1.96	0.94
1:d:260:VAL:HG11	1:d:328:GLN:CG	1.95	0.94
1:e:228:PHE:CE2	1:e:230:PHE:CE1	2.49	0.94
1:A:260:VAL:HG11	1:A:328:GLN:CG	1.95	0.94
1:S:243:ASN:HD22	1:S:246:MET:HG2	1.31	0.94
1:T:228:PHE:CE2	1:T:230:PHE:CE1	2.49	0.94
1:v:243:ASN:HD22	1:v:246:MET:HG2	1.31	0.94
1:b:133:LEU:H	1:b:213:GLN:HE21	1.15	0.94
1:d:228:PHE:CE2	1:d:230:PHE:CE1	2.49	0.94
1:C:209:ARG:CB	1:M:46:VAL:HG11	1.96	0.94
1:i:46:VAL:HG11	1:j:209:ARG:CB	1.96	0.94
1:s:228:PHE:CE2	1:s:230:PHE:CE1	2.49	0.94
1:s:260:VAL:HG11	1:s:328:GLN:CG	1.95	0.94
1:D:209:ARG:CB	1:P:46:VAL:HG11	1.96	0.94
1:J:67:ARG:HG2	1:J:294:GLU:HG2	1.50	0.94
1:T:243:ASN:HD22	1:T:246:MET:HG2	1.31	0.94
1:V:67:ARG:HG2	1:V:294:GLU:HG2	1.50	0.94
1:7:67:ARG:HG2	1:7:294:GLU:HG2	1.50	0.94
1:6:67:ARG:HG2	1:6:294:GLU:HG2	1.50	0.94
1:a:67:ARG:HG2	1:a:294:GLU:HG2	1.50	0.94
1:q:243:ASN:HD22	1:q:246:MET:HG2	1.31	0.94
1:D:133:LEU:H	1:D:213:GLN:HE21	1.15	0.94
1:E:243:ASN:HD22	1:E:246:MET:HG2	1.31	0.94
1:O:228:PHE:CE2	1:O:230:PHE:CE1	2.49	0.94
1:e:243:ASN:HD22	1:e:246:MET:HG2	1.31	0.94

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:g:243:ASN:HD22	1:g:246:MET:HG2	1.31	0.94
1:l:67:ARG:HG2	1:l:294:GLU:HG2	1.50	0.94
1:G:67:ARG:HG2	1:G:294:GLU:HG2	1.50	0.94
1:H:228:PHE:CE2	1:H:230:PHE:CE1	2.49	0.94
1:M:243:ASN:HD22	1:M:246:MET:HG2	1.31	0.94
1:N:243:ASN:HD22	1:N:246:MET:HG2	1.31	0.94
1:S:228:PHE:CE2	1:S:230:PHE:CE1	2.49	0.94
1:V:243:ASN:HD22	1:V:246:MET:HG2	1.31	0.94
1:i:243:ASN:HD22	1:i:246:MET:HG2	1.31	0.94
1:q:67:ARG:HG2	1:q:294:GLU:HG2	1.50	0.94
1:w:67:ARG:HG2	1:w:294:GLU:HG2	1.50	0.94
1:2:228:PHE:CE2	1:2:230:PHE:CE1	2.49	0.94
1:A:228:PHE:CE2	1:A:230:PHE:CE1	2.49	0.94
1:J:46:VAL:HG11	1:L:209:ARG:CB	1.96	0.94
1:K:67:ARG:HG2	1:K:294:GLU:HG2	1.50	0.94
1:W:67:ARG:HG2	1:W:294:GLU:HG2	1.50	0.94
1:Z:133:LEU:H	1:Z:213:GLN:HE21	1.15	0.94
1:Z:209:ARG:CB	1:w:46:VAL:HG11	1.97	0.94
1:5:67:ARG:HG2	1:5:294:GLU:HG2	1.50	0.94
1:a:133:LEU:H	1:a:213:GLN:HE21	1.15	0.94
1:a:243:ASN:HD22	1:a:246:MET:HG2	1.31	0.94
1:g:67:ARG:HG2	1:g:294:GLU:HG2	1.50	0.94
1:l:133:LEU:H	1:l:213:GLN:HE21	1.15	0.94
1:n:243:ASN:HD22	1:n:246:MET:HG2	1.31	0.94
1:x:243:ASN:HD22	1:x:246:MET:HG2	1.31	0.94
1:y:46:VAL:HG11	1:z:209:ARG:CB	1.96	0.94
1:C:243:ASN:HD22	1:C:246:MET:HG2	1.31	0.94
1:e:67:ARG:HG2	1:e:294:GLU:HG2	1.50	0.94
1:z:133:LEU:H	1:z:213:GLN:HE21	1.15	0.94
1:1:243:ASN:HD22	1:1:246:MET:HG2	1.31	0.94
1:K:243:ASN:HD22	1:K:246:MET:HG2	1.31	0.94
1:N:133:LEU:H	1:N:213:GLN:HE21	1.15	0.94
1:R:67:ARG:HG2	1:R:294:GLU:HG2	1.50	0.94
1:W:243:ASN:HD22	1:W:246:MET:HG2	1.31	0.94
1:j:243:ASN:HD22	1:j:246:MET:HG2	1.31	0.94
1:k:67:ARG:HG2	1:k:294:GLU:HG2	1.50	0.94
1:l:46:VAL:HG11	1:m:209:ARG:CB	1.96	0.94
1:v:228:PHE:CE2	1:v:230:PHE:CE1	2.49	0.94
1:B:67:ARG:HG2	1:B:294:GLU:HG2	1.50	0.93
1:O:133:LEU:H	1:O:213:GLN:HE21	1.15	0.93
1:P:133:LEU:H	1:P:213:GLN:HE21	1.15	0.93

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:T:67:ARG:HG2	1:T:294:GLU:HG2	1.50	0.93
1:V:133:LEU:H	1:V:213:GLN:HE21	1.15	0.93
1:5:46:VAL:HG11	1:f:209:ARG:CB	1.97	0.93
1:p:67:ARG:HG2	1:p:294:GLU:HG2	1.50	0.93
1:u:67:ARG:HG2	1:u:294:GLU:HG2	1.50	0.93
1:F:67:ARG:HG2	1:F:294:GLU:HG2	1.50	0.93
1:J:133:LEU:H	1:J:213:GLN:HE21	1.15	0.93
1:5:228:PHE:CE2	1:5:230:PHE:CE1	2.49	0.93
1:f:133:LEU:H	1:f:213:GLN:HE21	1.15	0.93
1:x:67:ARG:HG2	1:x:294:GLU:HG2	1.50	0.93
1:D:67:ARG:HG2	1:D:294:GLU:HG2	1.50	0.93
1:m:243:ASN:HD22	1:m:246:MET:HG2	1.31	0.93
1:u:133:LEU:H	1:u:213:GLN:HE21	1.15	0.93
1:u:243:ASN:HD22	1:u:246:MET:HG2	1.31	0.93
1:1:133:LEU:H	1:1:213:GLN:HE21	1.15	0.93
1:2:133:LEU:H	1:2:213:GLN:HE21	1.15	0.93
1:D:243:ASN:HD22	1:D:246:MET:HG2	1.31	0.93
1:S:67:ARG:HG2	1:S:294:GLU:HG2	1.50	0.93
1:X:67:ARG:HG2	1:X:294:GLU:HG2	1.50	0.93
1:3:243:ASN:HD22	1:3:246:MET:HG2	1.31	0.93
1:g:133:LEU:H	1:g:213:GLN:HE21	1.15	0.93
1:q:133:LEU:H	1:q:213:GLN:HE21	1.15	0.93
1:v:67:ARG:HG2	1:v:294:GLU:HG2	1.50	0.93
1:z:243:ASN:HD22	1:z:246:MET:HG2	1.31	0.93
1:S:133:LEU:H	1:S:213:GLN:HE21	1.15	0.93
1:y:133:LEU:H	1:y:213:GLN:HE21	1.15	0.93
1:z:67:ARG:HG2	1:z:294:GLU:HG2	1.50	0.93
1:K:133:LEU:H	1:K:213:GLN:HE21	1.15	0.93
1:L:243:ASN:HD22	1:L:246:MET:HG2	1.31	0.93
1:R:243:ASN:HD22	1:R:246:MET:HG2	1.31	0.93
1:b:67:ARG:HG2	1:b:294:GLU:HG2	1.50	0.93
1:c:243:ASN:HD22	1:c:246:MET:HG2	1.31	0.93
1:v:133:LEU:H	1:v:213:GLN:HE21	1.15	0.93
1:w:228:PHE:CE2	1:w:230:PHE:CE1	2.49	0.93
1:U:133:LEU:H	1:U:213:GLN:HE21	1.15	0.93
1:7:243:ASN:HD22	1:7:246:MET:HG2	1.31	0.93
1:q:228:PHE:CE2	1:q:230:PHE:CE1	2.49	0.93
1:G:133:LEU:H	1:G:213:GLN:HE21	1.15	0.93
1:G:228:PHE:CE2	1:G:230:PHE:CE1	2.49	0.93
1:R:133:LEU:H	1:R:213:GLN:HE21	1.15	0.93
1:8:243:ASN:HD22	1:8:246:MET:HG2	1.31	0.93

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Q:67:ARG:HG2	1:Q:294:GLU:HG2	1.50	0.93
1:Y:243:ASN:HD22	1:Y:246:MET:HG2	1.31	0.93
1:Z:243:ASN:HD22	1:Z:246:MET:HG2	1.31	0.93
1:4:67:ARG:HG2	1:4:294:GLU:HG2	1.50	0.93
1:6:243:ASN:HD22	1:6:246:MET:HG2	1.31	0.93
1:4:243:ASN:HD22	1:4:246:MET:HG2	1.31	0.93
1:t:133:LEU:H	1:t:213:GLN:HE21	1.15	0.93
1:A:243:ASN:HD22	1:A:246:MET:HG2	1.31	0.92
1:I:67:ARG:HG2	1:I:294:GLU:HG2	1.50	0.92
1:N:67:ARG:HG2	1:N:294:GLU:HG2	1.50	0.92
1:3:67:ARG:HG2	1:3:294:GLU:HG2	1.50	0.92
1:h:243:ASN:HD22	1:h:246:MET:HG2	1.31	0.92
1:D:122:THR:HG22	1:D:123:LYS:N	1.73	0.92
1:7:133:LEU:H	1:7:213:GLN:HE21	1.15	0.92
1:o:67:ARG:HG2	1:o:294:GLU:HG2	1.50	0.92
1:6:133:LEU:H	1:6:213:GLN:HE21	1.15	0.92
1:f:243:ASN:HD22	1:f:246:MET:HG2	1.31	0.92
1:s:243:ASN:HD22	1:s:246:MET:HG2	1.31	0.92
1:W:133:LEU:H	1:W:213:GLN:HE21	1.15	0.92
1:1:67:ARG:HG2	1:1:294:GLU:HG2	1.50	0.92
1:E:67:ARG:HG2	1:E:294:GLU:HG2	1.50	0.92
1:5:133:LEU:H	1:5:213:GLN:HE21	1.15	0.92
1:r:67:ARG:HG2	1:r:294:GLU:HG2	1.50	0.92
1:r:133:LEU:H	1:r:213:GLN:HE21	1.15	0.92
1:w:133:LEU:H	1:w:213:GLN:HE21	1.15	0.92
1:y:67:ARG:HG2	1:y:294:GLU:HG2	1.50	0.92
1:P:67:ARG:HG2	1:P:294:GLU:HG2	1.50	0.92
1:Y:228:PHE:CE2	1:Y:230:PHE:CE1	2.49	0.92
1:c:228:PHE:CE2	1:c:230:PHE:CE1	2.49	0.92
1:n:67:ARG:HG2	1:n:294:GLU:HG2	1.50	0.92
1:s:67:ARG:HG2	1:s:294:GLU:HG2	1.50	0.92
1:t:243:ASN:HD22	1:t:246:MET:HG2	1.31	0.92
1:A:67:ARG:HG2	1:A:294:GLU:HG2	1.50	0.92
1:i:133:LEU:H	1:i:213:GLN:HE21	1.15	0.92
1:8:67:ARG:HG2	1:8:294:GLU:HG2	1.50	0.92
1:e:133:LEU:H	1:e:213:GLN:HE21	1.15	0.92
1:h:67:ARG:HG2	1:h:294:GLU:HG2	1.50	0.92
1:Z:67:ARG:HG2	1:Z:294:GLU:HG2	1.50	0.92
1:f:67:ARG:HG2	1:f:294:GLU:HG2	1.50	0.92
1:L:67:ARG:HG2	1:L:294:GLU:HG2	1.50	0.91
1:M:133:LEU:H	1:M:213:GLN:HE21	1.15	0.91

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:U:243:ASN:HD22	1:U:246:MET:HG2	1.31	0.91
1:j:133:LEU:H	1:j:213:GLN:HE21	1.15	0.91
1:m:67:ARG:HG2	1:m:294:GLU:HG2	1.50	0.91
1:C:67:ARG:HG2	1:C:294:GLU:HG2	1.50	0.91
1:I:133:LEU:H	1:I:213:GLN:HE21	1.15	0.91
1:A:133:LEU:H	1:A:213:GLN:HE21	1.15	0.91
1:C:133:LEU:H	1:C:213:GLN:HE21	1.15	0.91
1:M:67:ARG:HG2	1:M:294:GLU:HG2	1.50	0.91
1:j:67:ARG:HG2	1:j:294:GLU:HG2	1.50	0.91
1:i:67:ARG:HG2	1:i:294:GLU:HG2	1.50	0.91
1:s:133:LEU:H	1:s:213:GLN:HE21	1.15	0.91
1:u:122:THR:HG22	1:u:123:LYS:N	1.73	0.91
1:8:228:PHE:CE2	1:8:230:PHE:CE1	2.49	0.91
1:h:270:GLY:HA2	1:h:346:PHE:CD1	2.06	0.91
1:F:270:GLY:HA2	1:F:346:PHE:CD1	2.06	0.91
1:Q:270:GLY:HA2	1:Q:346:PHE:CD1	2.06	0.91
1:R:122:THR:HG22	1:R:123:LYS:N	1.73	0.91
1:Z:270:GLY:HA2	1:Z:346:PHE:CD1	2.06	0.91
1:8:270:GLY:HA2	1:8:346:PHE:CD1	2.06	0.91
1:a:270:GLY:HA2	1:a:346:PHE:CD1	2.06	0.91
1:B:270:GLY:HA2	1:B:346:PHE:CD1	2.06	0.91
1:X:270:GLY:HA2	1:X:346:PHE:CD1	2.06	0.91
1:Y:67:ARG:HG2	1:Y:294:GLU:HG2	1.50	0.91
1:8:133:LEU:H	1:8:213:GLN:HE21	1.15	0.91
1:b:270:GLY:HA2	1:b:346:PHE:CD1	2.06	0.91
1:f:270:GLY:HA2	1:f:346:PHE:CD1	2.06	0.91
1:o:270:GLY:HA2	1:o:346:PHE:CD1	2.06	0.91
1:p:270:GLY:HA2	1:p:346:PHE:CD1	2.06	0.91
1:V:270:GLY:HA2	1:V:346:PHE:CD1	2.06	0.91
1:4:270:GLY:HA2	1:4:346:PHE:CD1	2.06	0.91
1:k:270:GLY:HA2	1:k:346:PHE:CD1	2.06	0.91
1:l:270:GLY:HA2	1:l:346:PHE:CD1	2.06	0.91
1:J:270:GLY:HA2	1:J:346:PHE:CD1	2.06	0.90
1:3:270:GLY:HA2	1:3:346:PHE:CD1	2.06	0.90
1:d:67:ARG:HG2	1:d:294:GLU:HG2	1.50	0.90
1:h:133:LEU:H	1:h:213:GLN:HE21	1.15	0.90
1:6:270:GLY:HA2	1:6:346:PHE:CD1	2.06	0.90
1:c:67:ARG:HG2	1:c:294:GLU:HG2	1.50	0.90
1:g:270:GLY:HA2	1:g:346:PHE:CD1	2.06	0.90
1:2:270:GLY:HA2	1:2:346:PHE:CD1	2.06	0.90
1:K:270:GLY:HA2	1:K:346:PHE:CD1	2.06	0.90

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7:270:GLY:HA2	1:7:346:PHE:CD1	2.06	0.90
1:i:270:GLY:HA2	1:i:346:PHE:CD1	2.06	0.90
1:m:133:LEU:H	1:m:213:GLN:HE21	1.15	0.90
1:q:270:GLY:HA2	1:q:346:PHE:CD1	2.06	0.90
1:H:67:ARG:HG2	1:H:294:GLU:HG2	1.50	0.90
1:O:270:GLY:HA2	1:O:346:PHE:CD1	2.06	0.90
1:P:270:GLY:HA2	1:P:346:PHE:CD1	2.06	0.90
1:v:270:GLY:HA2	1:v:346:PHE:CD1	2.06	0.90
1:A:270:GLY:HA2	1:A:346:PHE:CD1	2.06	0.90
1:G:270:GLY:HA2	1:G:346:PHE:CD1	2.06	0.90
1:M:270:GLY:HA2	1:M:346:PHE:CD1	2.06	0.90
1:Y:270:GLY:HA2	1:Y:346:PHE:CD1	2.06	0.90
1:n:270:GLY:HA2	1:n:346:PHE:CD1	2.06	0.90
1:s:270:GLY:HA2	1:s:346:PHE:CD1	2.06	0.90
1:y:270:GLY:HA2	1:y:346:PHE:CD1	2.06	0.90
1:S:270:GLY:HA2	1:S:346:PHE:CD1	2.06	0.90
1:c:270:GLY:HA2	1:c:346:PHE:CD1	2.06	0.90
1:m:270:GLY:HA2	1:m:346:PHE:CD1	2.06	0.90
1:E:270:GLY:HA2	1:E:346:PHE:CD1	2.06	0.90
1:L:270:GLY:HA2	1:L:346:PHE:CD1	2.06	0.90
1:U:67:ARG:HG2	1:U:294:GLU:HG2	1.50	0.90
1:j:270:GLY:HA2	1:j:346:PHE:CD1	2.06	0.90
1:t:67:ARG:HG2	1:t:294:GLU:HG2	1.50	0.90
1:2:67:ARG:HG2	1:2:294:GLU:HG2	1.50	0.90
1:C:270:GLY:HA2	1:C:346:PHE:CD1	2.06	0.90
1:I:270:GLY:HA2	1:I:346:PHE:CD1	2.06	0.90
1:L:133:LEU:H	1:L:213:GLN:HE21	1.15	0.90
1:O:67:ARG:HG2	1:O:294:GLU:HG2	1.50	0.90
1:r:270:GLY:HA2	1:r:346:PHE:CD1	2.06	0.89
1:D:270:GLY:HA2	1:D:346:PHE:CD1	2.06	0.89
1:N:270:GLY:HA2	1:N:346:PHE:CD1	2.06	0.89
1:5:270:GLY:HA2	1:5:346:PHE:CD1	2.06	0.89
1:w:270:GLY:HA2	1:w:346:PHE:CD1	2.06	0.89
1:z:270:GLY:HA2	1:z:346:PHE:CD1	2.06	0.89
1:H:270:GLY:HA2	1:H:346:PHE:CD1	2.06	0.89
1:1:270:GLY:HA2	1:1:346:PHE:CD1	2.06	0.89
1:e:270:GLY:HA2	1:e:346:PHE:CD1	2.06	0.89
1:x:270:GLY:HA2	1:x:346:PHE:CD1	2.06	0.89
1:T:270:GLY:HA2	1:T:346:PHE:CD1	2.06	0.89
1:d:270:GLY:HA2	1:d:346:PHE:CD1	2.06	0.89
1:k:133:LEU:H	1:k:213:GLN:HE21	1.15	0.89

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:W:270:GLY:HA2	1:W:346:PHE:CD1	2.06	0.89
1:B:133:LEU:H	1:B:213:GLN:HE21	1.15	0.89
1:U:270:GLY:HA2	1:U:346:PHE:CD1	2.06	0.89
1:Q:133:LEU:H	1:Q:213:GLN:HE21	1.15	0.89
1:F:133:LEU:H	1:F:213:GLN:HE21	1.15	0.88
1:t:270:GLY:HA2	1:t:346:PHE:CD1	2.06	0.88
1:u:270:GLY:HA2	1:u:346:PHE:CD1	2.06	0.88
1:x:133:LEU:H	1:x:213:GLN:HE21	1.15	0.88
1:R:270:GLY:HA2	1:R:346:PHE:CD1	2.06	0.88
1:p:133:LEU:H	1:p:213:GLN:HE21	1.15	0.88
1:T:133:LEU:H	1:T:213:GLN:HE21	1.15	0.88
1:o:133:LEU:H	1:o:213:GLN:HE21	1.15	0.88
1:c:133:LEU:H	1:c:213:GLN:HE21	1.15	0.87
1:Y:133:LEU:H	1:Y:213:GLN:HE21	1.15	0.87
1:E:133:LEU:H	1:E:213:GLN:HE21	1.15	0.87
1:n:133:LEU:H	1:n:213:GLN:HE21	1.15	0.87
1:Y:230:PHE:HD2	1:Y:330:TYR:CZ	1.95	0.85
1:c:230:PHE:HD2	1:c:330:TYR:CZ	1.95	0.85
1:2:230:PHE:HD2	1:2:330:TYR:CZ	1.94	0.85
1:H:230:PHE:HD2	1:H:330:TYR:CZ	1.95	0.85
1:O:230:PHE:HD2	1:O:330:TYR:CZ	1.94	0.85
1:4:230:PHE:HD2	1:4:330:TYR:CZ	1.95	0.85
1:3:230:PHE:HD2	1:3:330:TYR:CZ	1.95	0.85
1:d:230:PHE:HD2	1:d:330:TYR:CZ	1.95	0.85
1:X:230:PHE:HD2	1:X:330:TYR:CZ	1.95	0.85
1:f:230:PHE:HD2	1:f:330:TYR:CZ	1.94	0.85
1:q:230:PHE:HD2	1:q:330:TYR:CZ	1.94	0.85
1:N:230:PHE:HD2	1:N:330:TYR:CZ	1.95	0.85
1:R:230:PHE:HD2	1:R:330:TYR:CZ	1.95	0.85
1:Z:230:PHE:HD2	1:Z:330:TYR:CZ	1.94	0.85
1:b:230:PHE:HD2	1:b:330:TYR:CZ	1.94	0.85
1:r:230:PHE:HD2	1:r:330:TYR:CZ	1.95	0.85
1:t:230:PHE:HD2	1:t:330:TYR:CZ	1.94	0.85
1:x:230:PHE:HD2	1:x:330:TYR:CZ	1.95	0.85
1:1:230:PHE:HD2	1:1:330:TYR:CZ	1.95	0.85
1:G:230:PHE:HD2	1:G:330:TYR:CZ	1.95	0.85
1:T:230:PHE:HD2	1:T:330:TYR:CZ	1.95	0.85
1:U:230:PHE:HD2	1:U:330:TYR:CZ	1.95	0.85
1:I:230:PHE:HD2	1:I:330:TYR:CZ	1.95	0.85
1:8:230:PHE:HD2	1:8:330:TYR:CZ	1.94	0.85
1:l:230:PHE:HD2	1:l:330:TYR:CZ	1.94	0.85

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:u:230:PHE:HD2	1:u:330:TYR:CZ	1.95	0.85
1:g:230:PHE:HD2	1:g:330:TYR:CZ	1.95	0.85
1:j:230:PHE:HD2	1:j:330:TYR:CZ	1.95	0.85
1:C:230:PHE:HD2	1:C:330:TYR:CZ	1.95	0.85
1:J:230:PHE:HD2	1:J:330:TYR:CZ	1.94	0.85
1:K:230:PHE:HD2	1:K:330:TYR:CZ	1.95	0.85
1:V:230:PHE:HD2	1:V:330:TYR:CZ	1.95	0.85
1:k:230:PHE:HD2	1:k:330:TYR:CZ	1.95	0.85
1:L:67:ARG:HH12	1:7:208:ASN:HD22	1.25	0.84
1:h:230:PHE:HD2	1:h:330:TYR:CZ	1.95	0.84
1:i:230:PHE:HD2	1:i:330:TYR:CZ	1.94	0.84
1:B:230:PHE:HD2	1:B:330:TYR:CZ	1.95	0.84
1:a:230:PHE:HD2	1:a:330:TYR:CZ	1.95	0.84
1:m:230:PHE:HD2	1:m:330:TYR:CZ	1.95	0.84
1:o:230:PHE:HD2	1:o:330:TYR:CZ	1.95	0.84
1:s:230:PHE:HD2	1:s:330:TYR:CZ	1.95	0.84
1:7:230:PHE:HD2	1:7:330:TYR:CZ	1.95	0.84
1:6:230:PHE:HD2	1:6:330:TYR:CZ	1.95	0.84
1:b:67:ARG:HH12	1:c:208:ASN:HD22	1.26	0.84
1:A:230:PHE:HD2	1:A:330:TYR:CZ	1.95	0.84
1:M:230:PHE:HD2	1:M:330:TYR:CZ	1.95	0.84
1:Q:230:PHE:HD2	1:Q:330:TYR:CZ	1.95	0.84
1:L:230:PHE:HD2	1:L:330:TYR:CZ	1.95	0.84
1:X:67:ARG:HH12	1:Y:208:ASN:HD22	1.26	0.84
1:6:208:ASN:HD22	1:m:67:ARG:HH12	1.26	0.84
1:v:230:PHE:HD2	1:v:330:TYR:CZ	1.94	0.84
1:y:230:PHE:HD2	1:y:330:TYR:CZ	1.95	0.84
1:P:230:PHE:HD2	1:P:330:TYR:CZ	1.95	0.84
1:S:230:PHE:HD2	1:S:330:TYR:CZ	1.94	0.84
1:D:230:PHE:HD2	1:D:330:TYR:CZ	1.94	0.84
1:F:208:ASN:HD22	1:R:67:ARG:HH12	1.25	0.84
1:e:230:PHE:HD2	1:e:330:TYR:CZ	1.95	0.84
1:E:230:PHE:HD2	1:E:330:TYR:CZ	1.95	0.84
1:V:208:ASN:HD22	1:W:67:ARG:HH12	1.26	0.84
1:W:230:PHE:HD2	1:W:330:TYR:CZ	1.94	0.84
1:5:230:PHE:HD2	1:5:330:TYR:CZ	1.95	0.84
1:a:208:ASN:HD22	1:e:67:ARG:HH12	1.26	0.84
1:n:230:PHE:HD2	1:n:330:TYR:CZ	1.95	0.84
1:w:230:PHE:HD2	1:w:330:TYR:CZ	1.94	0.84
1:z:230:PHE:HD2	1:z:330:TYR:CZ	1.95	0.84
1:l:208:ASN:HD22	1:r:67:ARG:HH12	1.26	0.83

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:o:67:ARG:HH12	1:v:208:ASN:HD22	1.26	0.83
1:Q:67:ARG:HH12	1:S:208:ASN:HD22	1.26	0.83
1:I:67:ARG:HH12	1:J:208:ASN:HD22	1.26	0.83
1:F:230:PHE:HD2	1:F:330:TYR:CZ	1.95	0.83
1:p:208:ASN:HD22	1:u:67:ARG:HH12	1.26	0.83
1:p:230:PHE:HD2	1:p:330:TYR:CZ	1.95	0.83
1:G:239:VAL:CG1	1:G:268:MET:HE1	2.09	0.83
1:P:239:VAL:CG1	1:P:268:MET:HE1	2.09	0.83
1:Q:239:VAL:CG1	1:Q:268:MET:HE1	2.09	0.83
1:j:208:ASN:HD22	1:z:67:ARG:HH12	1.26	0.83
1:m:239:VAL:CG1	1:m:268:MET:HE1	2.09	0.83
1:o:239:VAL:CG1	1:o:268:MET:HE1	2.09	0.83
1:r:239:VAL:CG1	1:r:268:MET:HE1	2.09	0.83
1:y:239:VAL:CG1	1:y:268:MET:HE1	2.09	0.83
1:A:208:ASN:HD22	1:B:67:ARG:HH12	1.25	0.83
1:C:239:VAL:CG1	1:C:268:MET:HE1	2.09	0.83
1:I:239:VAL:CG1	1:I:268:MET:HE1	2.09	0.83
1:T:239:VAL:CG1	1:T:268:MET:HE1	2.09	0.83
1:g:67:ARG:HH12	1:m:208:ASN:HD22	1.26	0.83
1:j:239:VAL:CG1	1:j:268:MET:HE1	2.09	0.83
1:q:239:VAL:CG1	1:q:268:MET:HE1	2.09	0.83
1:x:239:VAL:CG1	1:x:268:MET:HE1	2.09	0.83
1:A:67:ARG:HH12	1:E:208:ASN:HD22	1.25	0.83
1:C:208:ASN:HD22	1:D:67:ARG:HH12	1.26	0.83
1:K:67:ARG:HH12	1:L:208:ASN:HD22	1.26	0.83
1:L:239:VAL:CG1	1:L:268:MET:HE1	2.09	0.83
1:S:239:VAL:CG1	1:S:268:MET:HE1	2.09	0.83
1:v:239:VAL:CG1	1:v:268:MET:HE1	2.09	0.83
1:H:208:ASN:HD22	1:Z:67:ARG:HH12	1.26	0.82
1:4:239:VAL:CG1	1:4:268:MET:HE1	2.09	0.82
1:l:239:VAL:CG1	1:l:268:MET:HE1	2.09	0.82
1:B:208:ASN:HD22	1:C:67:ARG:HH12	1.26	0.82
1:J:239:VAL:CG1	1:J:268:MET:HE1	2.09	0.82
1:M:239:VAL:CG1	1:M:268:MET:HE1	2.09	0.82
1:Y:239:VAL:CG1	1:Y:268:MET:HE1	2.09	0.82
1:5:239:VAL:CG1	1:5:268:MET:HE1	2.09	0.82
1:3:239:VAL:CG1	1:3:268:MET:HE1	2.09	0.82
1:c:239:VAL:CG1	1:c:268:MET:HE1	2.09	0.82
1:k:67:ARG:HH12	1:s:208:ASN:HD22	1.25	0.82
1:O:239:VAL:CG1	1:O:268:MET:HE1	2.09	0.82
1:d:208:ASN:HD22	1:f:67:ARG:HH12	1.26	0.82

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:i:239:VAL:CG1	1:i:268:MET:HE1	2.09	0.82
1:M:67:ARG:HH12	1:N:208:ASN:HD22	1.26	0.82
1:f:239:VAL:CG1	1:f:268:MET:HE1	2.09	0.82
1:i:67:ARG:HH12	1:1:208:ASN:HD22	1.26	0.82
1:j:67:ARG:HH12	1:k:208:ASN:HD22	1.26	0.82
1:w:239:VAL:CG1	1:w:268:MET:HE1	2.09	0.82
1:S:67:ARG:HH12	1:5:208:ASN:HD22	1.25	0.82
1:Z:239:VAL:CG1	1:Z:268:MET:HE1	2.09	0.82
1:4:67:ARG:HH12	1:b:208:ASN:HD22	1.26	0.82
1:2:239:VAL:CG1	1:2:268:MET:HE1	2.09	0.82
1:X:239:VAL:CG1	1:X:268:MET:HE1	2.09	0.82
1:b:239:VAL:CG1	1:b:268:MET:HE1	2.09	0.82
1:n:208:ASN:HD22	1:s:67:ARG:HH12	1.26	0.82
1:v:67:ARG:HH12	1:w:208:ASN:HD22	1.26	0.82
1:B:239:VAL:CG1	1:B:268:MET:HE1	2.09	0.82
1:P:67:ARG:HH12	1:Q:208:ASN:HD22	1.26	0.82
1:3:208:ASN:HD22	1:t:67:ARG:HH12	1.26	0.82
1:t:239:VAL:CG1	1:t:268:MET:HE1	2.09	0.82
1:z:239:VAL:CG1	1:z:268:MET:HE1	2.09	0.82
1:D:239:VAL:CG1	1:D:268:MET:HE1	2.09	0.82
1:N:239:VAL:CG1	1:N:268:MET:HE1	2.09	0.82
1:U:239:VAL:CG1	1:U:268:MET:HE1	2.09	0.82
1:k:239:VAL:CG1	1:k:268:MET:HE1	2.09	0.82
1:U:67:ARG:HH12	1:4:208:ASN:HD22	1.26	0.81
1:V:239:VAL:CG1	1:V:268:MET:HE1	2.09	0.81
1:X:208:ASN:HD22	1:3:67:ARG:HH12	1.26	0.81
1:1:239:VAL:CG1	1:1:268:MET:HE1	2.09	0.81
1:o:208:ASN:HD22	1:y:67:ARG:HH12	1.26	0.81
1:u:239:VAL:CG1	1:u:268:MET:HE1	2.09	0.81
1:C:53:ILE:HG13	1:7:206:ASN:HD21	1.45	0.81
1:K:239:VAL:CG1	1:K:268:MET:HE1	2.09	0.81
1:R:239:VAL:CG1	1:R:268:MET:HE1	2.09	0.81
1:U:122:THR:CG2	1:U:123:LYS:H	1.93	0.81
1:W:239:VAL:CG1	1:W:268:MET:HE1	2.09	0.81
1:8:239:VAL:CG1	1:8:268:MET:HE1	2.09	0.81
1:a:239:VAL:CG1	1:a:268:MET:HE1	2.09	0.81
1:h:208:ASN:HD22	1:l:67:ARG:HH12	1.26	0.81
1:h:239:VAL:CG1	1:h:268:MET:HE1	2.09	0.81
1:A:239:VAL:CG1	1:A:268:MET:HE1	2.09	0.81
1:D:208:ASN:HD22	1:E:67:ARG:HH12	1.26	0.81
1:F:239:VAL:CG1	1:F:268:MET:HE1	2.09	0.81

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:67:ARG:HH12	1:8:208:ASN:HD22	1.26	0.81
1:Y:67:ARG:HH12	1:x:208:ASN:HD22	1.26	0.81
1:7:239:VAL:CG1	1:7:268:MET:HE1	2.09	0.81
1:6:239:VAL:CG1	1:6:268:MET:HE1	2.09	0.81
1:e:239:VAL:CG1	1:e:268:MET:HE1	2.09	0.81
1:d:239:VAL:CG1	1:d:268:MET:HE1	2.09	0.81
1:g:239:VAL:CG1	1:g:268:MET:HE1	2.09	0.81
1:p:239:VAL:CG1	1:p:268:MET:HE1	2.09	0.81
1:s:239:VAL:CG1	1:s:268:MET:HE1	2.09	0.81
1:H:239:VAL:CG1	1:H:268:MET:HE1	2.09	0.81
1:n:67:ARG:HH12	1:z:208:ASN:HD22	1.26	0.81
1:p:67:ARG:HH12	1:q:208:ASN:HD22	1.25	0.81
1:T:208:ASN:HD22	1:c:67:ARG:HH12	1.26	0.81
1:n:239:VAL:CG1	1:n:268:MET:HE1	2.09	0.81
1:E:239:VAL:CG1	1:E:268:MET:HE1	2.09	0.81
1:O:67:ARG:HH12	1:P:208:ASN:HD22	1.26	0.80
1:d:67:ARG:HH12	1:r:208:ASN:HD22	1.26	0.80
1:T:206:ASN:HD21	1:f:53:ILE:HG13	1.46	0.80
1:t:208:ASN:HD22	1:x:67:ARG:HH12	1.26	0.80
1:D:53:ILE:HG13	1:N:206:ASN:HD21	1.47	0.80
1:F:67:ARG:HH12	1:G:208:ASN:HD22	1.26	0.80
1:H:53:ILE:HG13	1:W:206:ASN:HD21	1.47	0.80
1:O:208:ASN:HD22	1:5:67:ARG:HH12	1.26	0.80
1:T:67:ARG:HH12	1:U:208:ASN:HD22	1.26	0.80
1:d:53:ILE:HG13	1:e:206:ASN:HD21	1.47	0.80
1:w:67:ARG:HH12	1:2:208:ASN:HD22	1.26	0.80
1:z:53:ILE:HG13	1:1:206:ASN:HD21	1.47	0.80
1:H:67:ARG:HH12	1:I:208:ASN:HD22	1.26	0.80
1:O:206:ASN:HD21	1:h:53:ILE:HG13	1.47	0.80
1:Z:53:ILE:HG13	1:x:206:ASN:HD21	1.47	0.80
1:8:53:ILE:HG13	1:2:206:ASN:HD21	1.47	0.80
1:y:208:ASN:HD22	1:2:67:ARG:HH12	1.26	0.80
1:f:208:ASN:HD22	1:h:67:ARG:HH12	1.26	0.80
1:w:206:ASN:HD21	1:x:53:ILE:HG13	1.46	0.80
1:G:67:ARG:HH12	1:W:208:ASN:HD22	1.26	0.80
1:T:53:ILE:HG13	1:5:206:ASN:HD21	1.46	0.80
1:H:206:ASN:HD21	1:Y:53:ILE:HG13	1.47	0.80
1:J:53:ILE:HG13	1:L:206:ASN:HD21	1.47	0.80
1:Z:208:ASN:HD22	1:8:67:ARG:HH12	1.26	0.80
1:7:67:ARG:HH12	1:i:208:ASN:HD22	1.26	0.80
1:i:53:ILE:HG13	1:j:206:ASN:HD21	1.47	0.80

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:122:THR:CG2	1:J:123:LYS:H	1.93	0.80
1:l:122:THR:CG2	1:l:123:LYS:H	1.93	0.80
1:B:53:ILE:HG13	1:J:206:ASN:HD21	1.47	0.80
1:C:206:ASN:HD21	1:M:53:ILE:HG13	1.47	0.80
1:M:206:ASN:HD21	1:7:53:ILE:HG13	1.46	0.80
1:R:208:ASN:HD22	1:V:67:ARG:HH12	1.26	0.80
1:W:53:ILE:HG13	1:Y:206:ASN:HD21	1.47	0.80
1:Z:206:ASN:HD21	1:w:53:ILE:HG13	1.47	0.80
1:c:53:ILE:HG13	1:d:206:ASN:HD21	1.47	0.80
1:k:53:ILE:HG13	1:l:206:ASN:HD21	1.47	0.80
1:w:230:PHE:CD2	1:w:330:TYR:CZ	2.70	0.80
1:M:243:ASN:ND2	1:M:246:MET:HG2	1.98	0.79
1:S:53:ILE:HG13	1:U:206:ASN:HD21	1.47	0.79
1:V:230:PHE:CD2	1:V:330:TYR:CZ	2.71	0.79
1:5:230:PHE:CD2	1:5:330:TYR:CZ	2.71	0.79
1:a:67:ARG:HH12	1:u:208:ASN:HD22	1.26	0.79
1:a:230:PHE:CD2	1:a:330:TYR:CZ	2.71	0.79
1:c:206:ASN:HD21	1:e:53:ILE:HG13	1.47	0.79
1:e:208:ASN:HD22	1:q:67:ARG:HH12	1.26	0.79
1:i:243:ASN:ND2	1:i:246:MET:HG2	1.98	0.79
1:j:243:ASN:ND2	1:j:246:MET:HG2	1.98	0.79
1:C:243:ASN:ND2	1:C:246:MET:HG2	1.98	0.79
1:M:208:ASN:HD22	1:6:67:ARG:HH12	1.26	0.79
1:O:230:PHE:CD2	1:O:330:TYR:CZ	2.71	0.79
1:6:53:ILE:HG13	1:i:206:ASN:HD21	1.47	0.79
1:k:230:PHE:CD2	1:k:330:TYR:CZ	2.71	0.79
1:l:53:ILE:HG13	1:m:206:ASN:HD21	1.47	0.79
1:r:53:ILE:HG13	1:s:206:ASN:HD21	1.47	0.79
1:r:243:ASN:ND2	1:r:246:MET:HG2	1.97	0.79
1:u:243:ASN:ND2	1:u:246:MET:HG2	1.97	0.79
1:x:230:PHE:CD2	1:x:330:TYR:CZ	2.70	0.79
1:2:230:PHE:CD2	1:2:330:TYR:CZ	2.71	0.79
1:B:230:PHE:CD2	1:B:330:TYR:CZ	2.71	0.79
1:F:243:ASN:ND2	1:F:246:MET:HG2	1.98	0.79
1:R:243:ASN:ND2	1:R:246:MET:HG2	1.97	0.79
1:5:53:ILE:HG13	1:f:206:ASN:HD21	1.47	0.79
1:p:243:ASN:ND2	1:p:246:MET:HG2	1.98	0.79
1:t:206:ASN:HD21	1:v:53:ILE:HG13	1.47	0.79
1:D:243:ASN:ND2	1:D:246:MET:HG2	1.98	0.79
1:I:243:ASN:ND2	1:I:246:MET:HG2	1.98	0.79
1:K:230:PHE:CD2	1:K:330:TYR:CZ	2.71	0.79

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:R:206:ASN:HD21	1:U:53:ILE:HG13	1.47	0.79
1:T:230:PHE:CD2	1:T:330:TYR:CZ	2.71	0.79
1:6:206:ASN:HD21	1:j:53:ILE:HG13	1.47	0.79
1:4:230:PHE:CD2	1:4:330:TYR:CZ	2.71	0.79
1:3:230:PHE:CD2	1:3:330:TYR:CZ	2.70	0.79
1:d:230:PHE:CD2	1:d:330:TYR:CZ	2.71	0.79
1:g:230:PHE:CD2	1:g:330:TYR:CZ	2.71	0.79
1:t:53:ILE:HG13	1:u:206:ASN:HD21	1.47	0.79
1:z:243:ASN:ND2	1:z:246:MET:HG2	1.98	0.79
1:F:206:ASN:HD21	1:Q:53:ILE:HG13	1.47	0.79
1:G:53:ILE:HG13	1:I:206:ASN:HD21	1.47	0.79
1:G:230:PHE:CD2	1:G:330:TYR:CZ	2.71	0.79
1:L:243:ASN:ND2	1:L:246:MET:HG2	1.98	0.79
1:P:230:PHE:CD2	1:P:330:TYR:CZ	2.71	0.79
1:Q:230:PHE:CD2	1:Q:330:TYR:CZ	2.71	0.79
1:b:230:PHE:CD2	1:b:330:TYR:CZ	2.71	0.79
1:o:230:PHE:CD2	1:o:330:TYR:CZ	2.71	0.79
1:y:230:PHE:CD2	1:y:330:TYR:CZ	2.71	0.79
1:A:243:ASN:ND2	1:A:246:MET:HG2	1.98	0.79
1:I:230:PHE:CD2	1:I:330:TYR:CZ	2.71	0.79
1:X:230:PHE:CD2	1:X:330:TYR:CZ	2.71	0.79
1:7:230:PHE:CD2	1:7:330:TYR:CZ	2.70	0.79
1:m:243:ASN:ND2	1:m:246:MET:HG2	1.98	0.79
1:q:53:ILE:HG13	1:r:206:ASN:HD21	1.47	0.79
1:q:206:ASN:HD21	1:s:53:ILE:HG13	1.47	0.79
1:q:230:PHE:CD2	1:q:330:TYR:CZ	2.70	0.79
1:s:243:ASN:ND2	1:s:246:MET:HG2	1.98	0.79
1:v:230:PHE:CD2	1:v:330:TYR:CZ	2.71	0.79
1:A:53:ILE:HG13	1:G:206:ASN:HD21	1.47	0.79
1:K:206:ASN:HD21	1:2:53:ILE:HG13	1.46	0.79
1:L:230:PHE:CD2	1:L:330:TYR:CZ	2.71	0.79
1:P:243:ASN:ND2	1:P:246:MET:HG2	1.98	0.79
1:Q:243:ASN:ND2	1:Q:246:MET:HG2	1.98	0.79
1:S:230:PHE:CD2	1:S:330:TYR:CZ	2.71	0.79
1:Y:230:PHE:CD2	1:Y:330:TYR:CZ	2.71	0.79
1:c:230:PHE:CD2	1:c:330:TYR:CZ	2.71	0.79
1:k:243:ASN:ND2	1:k:246:MET:HG2	1.97	0.79
1:q:243:ASN:ND2	1:q:246:MET:HG2	1.98	0.79
1:r:230:PHE:CD2	1:r:330:TYR:CZ	2.71	0.79
1:y:53:ILE:HG13	1:z:206:ASN:HD21	1.47	0.79
1:D:206:ASN:HD21	1:P:53:ILE:HG13	1.47	0.79

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:243:ASN:ND2	1:G:246:MET:HG2	1.98	0.79
1:K:208:ASN:HD22	1:1:67:ARG:HH12	1.26	0.79
1:6:230:PHE:CD2	1:6:330:TYR:CZ	2.71	0.79
1:m:230:PHE:CD2	1:m:330:TYR:CZ	2.71	0.79
1:o:243:ASN:ND2	1:o:246:MET:HG2	1.98	0.79
1:y:243:ASN:ND2	1:y:246:MET:HG2	1.98	0.79
1:1:230:PHE:CD2	1:1:330:TYR:CZ	2.71	0.79
1:B:243:ASN:ND2	1:B:246:MET:HG2	1.97	0.79
1:N:230:PHE:CD2	1:N:330:TYR:CZ	2.71	0.79
1:O:53:ILE:HG13	1:g:206:ASN:HD21	1.46	0.79
1:W:243:ASN:ND2	1:W:246:MET:HG2	1.98	0.79
1:3:206:ASN:HD21	1:a:53:ILE:HG13	1.47	0.79
1:w:243:ASN:ND2	1:w:246:MET:HG2	1.98	0.79
1:1:243:ASN:ND2	1:1:246:MET:HG2	1.98	0.79
1:V:53:ILE:HG13	1:4:206:ASN:HD21	1.47	0.79
1:V:206:ASN:HD21	1:X:53:ILE:HG13	1.47	0.79
1:W:230:PHE:CD2	1:W:330:TYR:CZ	2.70	0.79
1:5:243:ASN:ND2	1:5:246:MET:HG2	1.98	0.79
1:A:206:ASN:HD21	1:I:53:ILE:HG13	1.48	0.78
1:N:53:ILE:HG13	1:P:206:ASN:HD21	1.47	0.78
1:N:67:ARG:HH12	1:g:208:ASN:HD22	1.26	0.78
1:N:243:ASN:ND2	1:N:246:MET:HG2	1.98	0.78
1:R:230:PHE:CD2	1:R:330:TYR:CZ	2.71	0.78
1:T:243:ASN:ND2	1:T:246:MET:HG2	1.98	0.78
1:V:243:ASN:ND2	1:V:246:MET:HG2	1.98	0.78
1:e:243:ASN:ND2	1:e:246:MET:HG2	1.98	0.78
1:X:243:ASN:ND2	1:X:246:MET:HG2	1.98	0.78
1:l:243:ASN:ND2	1:l:246:MET:HG2	1.97	0.78
1:u:230:PHE:CD2	1:u:330:TYR:CZ	2.71	0.78
1:y:206:ASN:HD21	1:1:53:ILE:HG13	1.47	0.78
1:F:230:PHE:CD2	1:F:330:TYR:CZ	2.71	0.78
1:O:122:THR:CG2	1:O:123:LYS:H	1.93	0.78
1:Z:230:PHE:CD2	1:Z:330:TYR:CZ	2.71	0.78
1:Z:243:ASN:ND2	1:Z:246:MET:HG2	1.98	0.78
1:a:206:ASN:HD21	1:b:53:ILE:HG13	1.47	0.78
1:a:243:ASN:ND2	1:a:246:MET:HG2	1.98	0.78
1:b:243:ASN:ND2	1:b:246:MET:HG2	1.98	0.78
1:c:243:ASN:ND2	1:c:246:MET:HG2	1.98	0.78
1:e:230:PHE:CD2	1:e:330:TYR:CZ	2.71	0.78
1:f:230:PHE:CD2	1:f:330:TYR:CZ	2.71	0.78
1:l:230:PHE:CD2	1:l:330:TYR:CZ	2.71	0.78

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:o:53:ILE:HG13	1:p:206:ASN:HD21	1.48	0.78
1:x:243:ASN:ND2	1:x:246:MET:HG2	1.98	0.78
1:2:122:THR:CG2	1:2:123:LYS:H	1.93	0.78
1:E:53:ILE:HG13	1:Q:206:ASN:HD21	1.47	0.78
1:Y:243:ASN:ND2	1:Y:246:MET:HG2	1.98	0.78
1:8:243:ASN:ND2	1:8:246:MET:HG2	1.98	0.78
1:h:243:ASN:ND2	1:h:246:MET:HG2	1.98	0.78
1:i:230:PHE:CD2	1:i:330:TYR:CZ	2.71	0.78
1:n:53:ILE:HG13	1:o:206:ASN:HD21	1.47	0.78
1:D:230:PHE:CD2	1:D:330:TYR:CZ	2.70	0.78
1:E:230:PHE:CD2	1:E:330:TYR:CZ	2.71	0.78
1:E:243:ASN:ND2	1:E:246:MET:HG2	1.98	0.78
1:J:230:PHE:CD2	1:J:330:TYR:CZ	2.71	0.78
1:J:243:ASN:ND2	1:J:246:MET:HG2	1.98	0.78
1:3:243:ASN:ND2	1:3:246:MET:HG2	1.97	0.78
1:f:243:ASN:ND2	1:f:246:MET:HG2	1.98	0.78
1:p:230:PHE:CD2	1:p:330:TYR:CZ	2.71	0.78
1:A:230:PHE:CD2	1:A:330:TYR:CZ	2.71	0.78
1:H:230:PHE:CD2	1:H:330:TYR:CZ	2.71	0.78
1:M:206:ASN:ND2	1:7:53:ILE:HG13	1.99	0.78
1:M:230:PHE:CD2	1:M:330:TYR:CZ	2.71	0.78
1:4:243:ASN:ND2	1:4:246:MET:HG2	1.98	0.78
1:w:122:THR:CG2	1:w:123:LYS:H	1.93	0.78
1:K:53:ILE:HG13	1:8:206:ASN:HD21	1.46	0.78
1:8:230:PHE:CD2	1:8:330:TYR:CZ	2.70	0.78
1:5:122:THR:CG2	1:5:123:LYS:H	1.93	0.78
1:n:230:PHE:CD2	1:n:330:TYR:CZ	2.71	0.78
1:n:243:ASN:ND2	1:n:246:MET:HG2	1.98	0.78
1:s:230:PHE:CD2	1:s:330:TYR:CZ	2.71	0.78
1:t:243:ASN:ND2	1:t:246:MET:HG2	1.98	0.78
1:z:230:PHE:CD2	1:z:330:TYR:CZ	2.71	0.78
1:F:258:ILE:HA	1:F:367:ASP:HA	1.66	0.78
1:I:122:THR:CG2	1:I:123:LYS:H	1.93	0.78
1:U:230:PHE:CD2	1:U:330:TYR:CZ	2.71	0.78
1:d:243:ASN:ND2	1:d:246:MET:HG2	1.98	0.78
1:h:230:PHE:CD2	1:h:330:TYR:CZ	2.71	0.78
1:p:258:ILE:HA	1:p:367:ASP:HA	1.66	0.78
1:C:230:PHE:CD2	1:C:330:TYR:CZ	2.70	0.78
1:H:243:ASN:ND2	1:H:246:MET:HG2	1.98	0.78
1:N:258:ILE:HA	1:N:367:ASP:HA	1.66	0.78
1:O:243:ASN:ND2	1:O:246:MET:HG2	1.98	0.78

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:f:260:VAL:CG1	1:f:328:GLN:CG	2.60	0.78
1:j:230:PHE:CD2	1:j:330:TYR:CZ	2.70	0.78
1:t:230:PHE:CD2	1:t:330:TYR:CZ	2.71	0.78
1:x:258:ILE:HA	1:x:367:ASP:HA	1.66	0.78
1:1:258:ILE:HA	1:1:367:ASP:HA	1.66	0.78
1:2:243:ASN:ND2	1:2:246:MET:HG2	1.97	0.78
1:2:258:ILE:HA	1:2:367:ASP:HA	1.66	0.78
1:G:258:ILE:HA	1:G:367:ASP:HA	1.66	0.78
1:K:243:ASN:ND2	1:K:246:MET:HG2	1.98	0.78
1:L:258:ILE:HA	1:L:367:ASP:HA	1.66	0.78
1:U:243:ASN:ND2	1:U:246:MET:HG2	1.98	0.78
1:V:258:ILE:HA	1:V:367:ASP:HA	1.66	0.78
1:Z:260:VAL:CG1	1:Z:328:GLN:CG	2.60	0.78
1:a:258:ILE:HA	1:a:367:ASP:HA	1.66	0.78
1:g:53:ILE:HG13	1:h:206:ASN:HD21	1.46	0.78
1:m:258:ILE:HA	1:m:367:ASP:HA	1.66	0.78
1:q:258:ILE:HA	1:q:367:ASP:HA	1.66	0.78
1:x:194:SER:HB3	1:x:197:ASN:HB2	1.66	0.78
1:O:258:ILE:HA	1:O:367:ASP:HA	1.66	0.77
1:T:258:ILE:HA	1:T:367:ASP:HA	1.66	0.77
1:W:258:ILE:HA	1:W:367:ASP:HA	1.66	0.77
1:e:258:ILE:HA	1:e:367:ASP:HA	1.66	0.77
1:r:122:THR:CG2	1:r:123:LYS:H	1.93	0.77
1:B:206:ASN:HD21	1:L:53:ILE:HG13	1.47	0.77
1:I:194:SER:HB3	1:I:197:ASN:HB2	1.67	0.77
1:P:258:ILE:HA	1:P:367:ASP:HA	1.66	0.77
1:S:243:ASN:ND2	1:S:246:MET:HG2	1.97	0.77
1:T:194:SER:HB3	1:T:197:ASN:HB2	1.67	0.77
1:7:260:VAL:CG1	1:7:328:GLN:CG	2.60	0.77
1:6:260:VAL:CG1	1:6:328:GLN:CG	2.60	0.77
1:5:258:ILE:HA	1:5:367:ASP:HA	1.66	0.77
1:4:194:SER:HB3	1:4:197:ASN:HB2	1.67	0.77
1:3:194:SER:HB3	1:3:197:ASN:HB2	1.67	0.77
1:g:243:ASN:ND2	1:g:246:MET:HG2	1.98	0.77
1:v:243:ASN:ND2	1:v:246:MET:HG2	1.98	0.77
1:D:194:SER:HB3	1:D:197:ASN:HB2	1.67	0.77
1:M:194:SER:HB3	1:M:197:ASN:HB2	1.66	0.77
1:P:194:SER:HB3	1:P:197:ASN:HB2	1.66	0.77
1:R:194:SER:HB3	1:R:197:ASN:HB2	1.67	0.77
1:h:258:ILE:HA	1:h:367:ASP:HA	1.66	0.77
1:n:206:ASN:HD21	1:p:53:ILE:HG13	1.46	0.77

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:r:194:SER:HB3	1:r:197:ASN:HB2	1.66	0.77
1:u:194:SER:HB3	1:u:197:ASN:HB2	1.67	0.77
1:w:258:ILE:HA	1:w:367:ASP:HA	1.66	0.77
1:y:194:SER:HB3	1:y:197:ASN:HB2	1.67	0.77
1:y:258:ILE:HA	1:y:367:ASP:HA	1.66	0.77
1:z:194:SER:HB3	1:z:197:ASN:HB2	1.67	0.77
1:A:194:SER:HB3	1:A:197:ASN:HB2	1.66	0.77
1:E:194:SER:HB3	1:E:197:ASN:HB2	1.66	0.77
1:8:258:ILE:HA	1:8:367:ASP:HA	1.66	0.77
1:6:243:ASN:ND2	1:6:246:MET:HG2	1.98	0.77
1:i:194:SER:HB3	1:i:197:ASN:HB2	1.67	0.77
1:n:194:SER:HB3	1:n:197:ASN:HB2	1.67	0.77
1:Y:260:VAL:CG1	1:Y:328:GLN:CG	2.60	0.77
1:3:53:ILE:HG13	1:b:206:ASN:HD21	1.47	0.77
1:f:258:ILE:HA	1:f:367:ASP:HA	1.66	0.77
1:k:206:ASN:HD21	1:m:53:ILE:HG13	1.47	0.77
1:s:194:SER:HB3	1:s:197:ASN:HB2	1.66	0.77
1:u:258:ILE:HA	1:u:367:ASP:HA	1.66	0.77
1:X:206:ASN:HD21	1:4:53:ILE:HG13	1.47	0.77
1:6:258:ILE:HA	1:6:367:ASP:HA	1.66	0.77
1:B:194:SER:HB3	1:B:197:ASN:HB2	1.67	0.77
1:G:260:VAL:CG1	1:G:328:GLN:CG	2.60	0.77
1:M:258:ILE:HA	1:M:367:ASP:HA	1.66	0.77
1:R:258:ILE:HA	1:R:367:ASP:HA	1.66	0.77
1:Z:258:ILE:HA	1:Z:367:ASP:HA	1.66	0.77
1:7:258:ILE:HA	1:7:367:ASP:HA	1.66	0.77
1:d:194:SER:HB3	1:d:197:ASN:HB2	1.66	0.77
1:q:260:VAL:CG1	1:q:328:GLN:CG	2.60	0.77
1:E:206:ASN:HD21	1:F:53:ILE:HG13	1.47	0.77
1:7:243:ASN:ND2	1:7:246:MET:HG2	1.98	0.77
1:c:260:VAL:CG1	1:c:328:GLN:CG	2.60	0.77
1:k:194:SER:HB3	1:k:197:ASN:HB2	1.67	0.77
1:l:258:ILE:HA	1:l:367:ASP:HA	1.66	0.77
1:C:258:ILE:HA	1:C:367:ASP:HA	1.66	0.77
1:F:194:SER:HB3	1:F:197:ASN:HB2	1.66	0.77
1:H:194:SER:HB3	1:H:197:ASN:HB2	1.66	0.77
1:L:260:VAL:CG1	1:L:328:GLN:CG	2.60	0.77
1:i:258:ILE:HA	1:i:367:ASP:HA	1.66	0.77
1:j:258:ILE:HA	1:j:367:ASP:HA	1.66	0.77
1:J:258:ILE:HA	1:J:367:ASP:HA	1.66	0.77
1:m:260:VAL:CG1	1:m:328:GLN:CG	2.60	0.76

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:n:206:ASN:ND2	1:p:53:ILE:HG13	2.00	0.76
1:p:194:SER:HB3	1:p:197:ASN:HB2	1.66	0.76
1:C:53:ILE:HG13	1:7:206:ASN:ND2	1.99	0.76
1:C:194:SER:HB3	1:C:197:ASN:HB2	1.67	0.76
1:J:260:VAL:CG1	1:J:328:GLN:CG	2.60	0.76
1:l:260:VAL:CG1	1:l:328:GLN:CG	2.60	0.76
1:w:194:SER:HB3	1:w:197:ASN:HB2	1.66	0.76
1:H:53:ILE:HG13	1:W:206:ASN:ND2	2.01	0.76
1:H:206:ASN:ND2	1:Y:53:ILE:HG13	2.01	0.76
1:K:194:SER:HB3	1:K:197:ASN:HB2	1.67	0.76
1:R:53:ILE:HG13	1:S:206:ASN:HD21	1.47	0.76
1:U:258:ILE:HA	1:U:367:ASP:HA	1.66	0.76
1:Z:194:SER:HB3	1:Z:197:ASN:HB2	1.66	0.76
1:b:260:VAL:CG1	1:b:328:GLN:CG	2.60	0.76
1:c:194:SER:HB3	1:c:197:ASN:HB2	1.67	0.76
1:d:53:ILE:HG13	1:e:206:ASN:ND2	2.01	0.76
1:f:194:SER:HB3	1:f:197:ASN:HB2	1.67	0.76
1:g:194:SER:HB3	1:g:197:ASN:HB2	1.66	0.76
1:u:53:ILE:HG13	1:v:206:ASN:HD21	1.47	0.76
1:A:258:ILE:HA	1:A:367:ASP:HA	1.66	0.76
1:6:53:ILE:HG13	1:i:206:ASN:ND2	2.01	0.76
1:b:194:SER:HB3	1:b:197:ASN:HB2	1.67	0.76
1:c:53:ILE:HG13	1:d:206:ASN:ND2	2.01	0.76
1:j:194:SER:HB3	1:j:197:ASN:HB2	1.66	0.76
1:t:258:ILE:HA	1:t:367:ASP:HA	1.66	0.76
1:v:258:ILE:HA	1:v:367:ASP:HA	1.66	0.76
1:E:53:ILE:HG13	1:Q:206:ASN:ND2	2.01	0.76
1:E:206:ASN:ND2	1:F:53:ILE:HG13	2.01	0.76
1:I:258:ILE:HA	1:I:367:ASP:HA	1.66	0.76
1:T:53:ILE:HG13	1:5:206:ASN:ND2	2.00	0.76
1:Y:194:SER:HB3	1:Y:197:ASN:HB2	1.67	0.76
1:5:194:SER:HB3	1:5:197:ASN:HB2	1.66	0.76
1:4:258:ILE:HA	1:4:367:ASP:HA	1.66	0.76
1:E:258:ILE:HA	1:E:367:ASP:HA	1.66	0.76
1:J:194:SER:HB3	1:J:197:ASN:HB2	1.67	0.76
1:X:194:SER:HB3	1:X:197:ASN:HB2	1.67	0.76
1:3:206:ASN:ND2	1:a:53:ILE:HG13	2.01	0.76
1:3:258:ILE:HA	1:3:367:ASP:HA	1.66	0.76
1:k:258:ILE:HA	1:k:367:ASP:HA	1.66	0.76
1:n:53:ILE:HG13	1:o:206:ASN:ND2	2.01	0.76
1:r:258:ILE:HA	1:r:367:ASP:HA	1.66	0.76

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:s:258:ILE:HA	1:s:367:ASP:HA	1.66	0.76
1:w:206:ASN:ND2	1:x:53:ILE:HG13	2.00	0.76
1:L:194:SER:HB3	1:L:197:ASN:HB2	1.67	0.76
1:R:206:ASN:ND2	1:U:53:ILE:HG13	2.01	0.76
1:S:258:ILE:HA	1:S:367:ASP:HA	1.66	0.76
1:V:194:SER:HB3	1:V:197:ASN:HB2	1.67	0.76
1:t:53:ILE:HG13	1:u:206:ASN:ND2	2.01	0.76
1:B:258:ILE:HA	1:B:367:ASP:HA	1.66	0.76
1:F:206:ASN:ND2	1:Q:53:ILE:HG13	2.01	0.76
1:R:53:ILE:HG13	1:S:206:ASN:ND2	2.01	0.76
1:c:258:ILE:HA	1:c:367:ASP:HA	1.66	0.76
1:l:194:SER:HB3	1:l:197:ASN:HB2	1.66	0.76
1:n:258:ILE:HA	1:n:367:ASP:HA	1.66	0.76
1:q:206:ASN:ND2	1:s:53:ILE:HG13	2.01	0.76
1:K:53:ILE:HG13	1:8:206:ASN:ND2	2.00	0.76
1:R:260:VAL:CG1	1:R:328:GLN:CG	2.60	0.76
1:T:206:ASN:ND2	1:f:53:ILE:HG13	2.01	0.76
1:V:53:ILE:HG13	1:4:206:ASN:ND2	2.01	0.76
1:a:194:SER:HB3	1:a:197:ASN:HB2	1.66	0.76
1:m:194:SER:HB3	1:m:197:ASN:HB2	1.66	0.76
1:o:169:LYS:HD3	1:o:343:ASN:HD22	1.51	0.76
1:q:169:LYS:HD3	1:q:343:ASN:HD22	1.51	0.76
1:r:53:ILE:HG13	1:s:206:ASN:ND2	2.01	0.76
1:r:169:LYS:HD3	1:r:343:ASN:HD22	1.51	0.76
1:u:53:ILE:HG13	1:v:206:ASN:ND2	2.01	0.76
1:2:260:VAL:CG1	1:2:328:GLN:CG	2.60	0.76
1:O:194:SER:HB3	1:O:197:ASN:HB2	1.66	0.76
1:Q:169:LYS:HD3	1:Q:343:ASN:HD22	1.51	0.76
1:Q:194:SER:HB3	1:Q:197:ASN:HB2	1.66	0.76
1:Y:258:ILE:HA	1:Y:367:ASP:HA	1.66	0.76
1:6:194:SER:HB3	1:6:197:ASN:HB2	1.66	0.76
1:g:53:ILE:HG13	1:h:206:ASN:ND2	2.00	0.76
1:o:194:SER:HB3	1:o:197:ASN:HB2	1.67	0.76
1:u:260:VAL:CG1	1:u:328:GLN:CG	2.60	0.76
1:A:53:ILE:HG13	1:G:206:ASN:ND2	2.01	0.75
1:B:260:VAL:CG1	1:B:328:GLN:CG	2.60	0.75
1:G:169:LYS:HD3	1:G:343:ASN:HD22	1.51	0.75
1:I:169:LYS:HD3	1:I:343:ASN:HD22	1.51	0.75
1:O:260:VAL:CG1	1:O:328:GLN:CG	2.60	0.75
1:Z:53:ILE:HG13	1:x:206:ASN:ND2	2.01	0.75
1:8:194:SER:HB3	1:8:197:ASN:HB2	1.66	0.75

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7:194:SER:HB3	1:7:197:ASN:HB2	1.67	0.75
1:6:206:ASN:ND2	1:j:53:ILE:HG13	2.01	0.75
1:j:169:LYS:HD3	1:j:343:ASN:HD22	1.51	0.75
1:s:260:VAL:CG1	1:s:328:GLN:CG	2.60	0.75
1:z:258:ILE:HA	1:z:367:ASP:HA	1.66	0.75
1:2:194:SER:HB3	1:2:197:ASN:HB2	1.66	0.75
1:A:260:VAL:CG1	1:A:328:GLN:CG	2.60	0.75
1:C:169:LYS:HD3	1:C:343:ASN:HD22	1.51	0.75
1:K:260:VAL:CG1	1:K:328:GLN:CG	2.60	0.75
1:M:169:LYS:HD3	1:M:343:ASN:HD22	1.51	0.75
1:b:258:ILE:HA	1:b:367:ASP:HA	1.66	0.75
1:c:206:ASN:ND2	1:e:53:ILE:HG13	2.01	0.75
1:g:169:LYS:HD3	1:g:343:ASN:HD22	1.51	0.75
1:k:260:VAL:CG1	1:k:328:GLN:CG	2.60	0.75
1:q:122:THR:CG2	1:q:123:LYS:N	2.48	0.75
1:z:53:ILE:HG13	1:1:206:ASN:ND2	2.01	0.75
1:A:206:ASN:ND2	1:I:53:ILE:HG13	2.01	0.75
1:D:258:ILE:HA	1:D:367:ASP:HA	1.66	0.75
1:J:53:ILE:HG13	1:L:206:ASN:ND2	2.01	0.75
1:W:53:ILE:HG13	1:Y:206:ASN:ND2	2.01	0.75
1:5:169:LYS:HD3	1:5:343:ASN:HD22	1.51	0.75
1:h:194:SER:HB3	1:h:197:ASN:HB2	1.67	0.75
1:k:206:ASN:ND2	1:m:53:ILE:HG13	2.01	0.75
1:o:53:ILE:HG13	1:p:206:ASN:ND2	2.02	0.75
1:p:169:LYS:HD3	1:p:343:ASN:HD22	1.51	0.75
1:w:169:LYS:HD3	1:w:343:ASN:HD22	1.51	0.75
1:B:206:ASN:ND2	1:L:53:ILE:HG13	2.01	0.75
1:D:53:ILE:HG13	1:N:206:ASN:ND2	2.01	0.75
1:D:206:ASN:ND2	1:P:53:ILE:HG13	2.01	0.75
1:G:122:THR:CG2	1:G:123:LYS:N	2.48	0.75
1:K:169:LYS:HD3	1:K:343:ASN:HD22	1.51	0.75
1:Q:258:ILE:HA	1:Q:367:ASP:HA	1.66	0.75
1:3:169:LYS:HD3	1:3:343:ASN:HD22	1.51	0.75
1:3:260:VAL:CG1	1:3:328:GLN:CG	2.60	0.75
1:c:169:LYS:HD3	1:c:343:ASN:HD22	1.51	0.75
1:g:258:ILE:HA	1:g:367:ASP:HA	1.66	0.75
1:g:260:VAL:CG1	1:g:328:GLN:CG	2.60	0.75
1:i:169:LYS:HD3	1:i:343:ASN:HD22	1.51	0.75
1:l:53:ILE:HG13	1:m:206:ASN:ND2	2.01	0.75
1:v:194:SER:HB3	1:v:197:ASN:HB2	1.66	0.75
1:y:206:ASN:ND2	1:1:53:ILE:HG13	2.01	0.75

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:169:LYS:HD3	1:D:343:ASN:HD22	1.51	0.75
1:H:258:ILE:HA	1:H:367:ASP:HA	1.66	0.75
1:K:206:ASN:ND2	1:2:53:ILE:HG13	2.01	0.75
1:O:206:ASN:ND2	1:h:53:ILE:HG13	2.01	0.75
1:W:194:SER:HB3	1:W:197:ASN:HB2	1.67	0.75
1:Y:169:LYS:HD3	1:Y:343:ASN:HD22	1.51	0.75
1:8:169:LYS:HD3	1:8:343:ASN:HD22	1.51	0.75
1:4:260:VAL:CG1	1:4:328:GLN:CG	2.60	0.75
1:a:206:ASN:ND2	1:b:53:ILE:HG13	2.01	0.75
1:z:169:LYS:HD3	1:z:343:ASN:HD22	1.51	0.75
1:E:169:LYS:HD3	1:E:343:ASN:HD22	1.51	0.75
1:F:169:LYS:HD3	1:F:343:ASN:HD22	1.51	0.75
1:J:169:LYS:HD3	1:J:343:ASN:HD22	1.51	0.75
1:K:258:ILE:HA	1:K:367:ASP:HA	1.66	0.75
1:N:53:ILE:HG13	1:P:206:ASN:ND2	2.01	0.75
1:N:194:SER:HB3	1:N:197:ASN:HB2	1.67	0.75
1:O:53:ILE:HG13	1:g:206:ASN:ND2	2.01	0.75
1:O:122:THR:CG2	1:O:123:LYS:N	2.48	0.75
1:S:194:SER:HB3	1:S:197:ASN:HB2	1.67	0.75
1:T:260:VAL:CG1	1:T:328:GLN:CG	2.60	0.75
1:V:206:ASN:ND2	1:X:53:ILE:HG13	2.01	0.75
1:X:258:ILE:HA	1:X:367:ASP:HA	1.66	0.75
1:8:53:ILE:HG13	1:2:206:ASN:ND2	2.01	0.75
1:4:169:LYS:HD3	1:4:343:ASN:HD22	1.51	0.75
1:a:169:LYS:HD3	1:a:343:ASN:HD22	1.51	0.75
1:e:194:SER:HB3	1:e:197:ASN:HB2	1.67	0.75
1:h:169:LYS:HD3	1:h:343:ASN:HD22	1.51	0.75
1:l:169:LYS:HD3	1:l:343:ASN:HD22	1.51	0.75
1:m:122:THR:CG2	1:m:123:LYS:N	2.48	0.75
1:n:169:LYS:HD3	1:n:343:ASN:HD22	1.51	0.75
1:q:194:SER:HB3	1:q:197:ASN:HB2	1.66	0.75
1:y:53:ILE:HG13	1:z:206:ASN:ND2	2.01	0.75
1:Q:260:VAL:CG1	1:Q:328:GLN:CG	2.60	0.75
1:S:169:LYS:HD3	1:S:343:ASN:HD22	1.51	0.75
1:V:169:LYS:HD3	1:V:343:ASN:HD22	1.51	0.75
1:5:53:ILE:HG13	1:f:206:ASN:ND2	2.01	0.75
1:d:258:ILE:HA	1:d:367:ASP:HA	1.66	0.75
1:o:258:ILE:HA	1:o:367:ASP:HA	1.66	0.75
1:o:260:VAL:CG1	1:o:328:GLN:CG	2.60	0.75
1:v:169:LYS:HD3	1:v:343:ASN:HD22	1.51	0.75
1:1:194:SER:HB3	1:1:197:ASN:HB2	1.67	0.75

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2:122:THR:CG2	1:2:123:LYS:N	2.48	0.75
1:E:260:VAL:CG1	1:E:328:GLN:CG	2.60	0.75
1:G:53:ILE:HG13	1:I:206:ASN:ND2	2.01	0.75
1:G:194:SER:HB3	1:G:197:ASN:HB2	1.66	0.75
1:L:122:THR:CG2	1:L:123:LYS:N	2.48	0.75
1:R:169:LYS:HD3	1:R:343:ASN:HD22	1.51	0.75
1:Z:206:ASN:ND2	1:w:53:ILE:HG13	2.01	0.75
1:d:169:LYS:HD3	1:d:343:ASN:HD22	1.51	0.75
1:u:169:LYS:HD3	1:u:343:ASN:HD22	1.51	0.75
1:n:260:VAL:CG1	1:n:328:GLN:CG	2.60	0.75
1:H:169:LYS:HD3	1:H:343:ASN:HD22	1.51	0.74
1:O:169:LYS:HD3	1:O:343:ASN:HD22	1.51	0.74
1:t:206:ASN:ND2	1:v:53:ILE:HG13	2.01	0.74
1:x:260:VAL:CG1	1:x:328:GLN:CG	2.60	0.74
1:D:260:VAL:CG1	1:D:328:GLN:CG	2.60	0.74
1:S:53:ILE:HG13	1:U:206:ASN:ND2	2.01	0.74
1:6:169:LYS:HD3	1:6:343:ASN:HD22	1.51	0.74
1:c:122:THR:CG2	1:c:123:LYS:N	2.48	0.74
1:q:53:ILE:HG13	1:r:206:ASN:ND2	2.01	0.74
1:z:260:VAL:CG1	1:z:328:GLN:CG	2.60	0.74
1:N:169:LYS:HD3	1:N:343:ASN:HD22	1.51	0.74
1:P:169:LYS:HD3	1:P:343:ASN:HD22	1.51	0.74
1:7:169:LYS:HD3	1:7:343:ASN:HD22	1.51	0.74
1:b:169:LYS:HD3	1:b:343:ASN:HD22	1.51	0.74
1:k:169:LYS:HD3	1:k:343:ASN:HD22	1.51	0.74
1:t:169:LYS:HD3	1:t:343:ASN:HD22	1.51	0.74
1:t:194:SER:HB3	1:t:197:ASN:HB2	1.67	0.74
1:y:169:LYS:HD3	1:y:343:ASN:HD22	1.51	0.74
1:U:169:LYS:HD3	1:U:343:ASN:HD22	1.51	0.74
1:Y:122:THR:CG2	1:Y:123:LYS:N	2.48	0.74
1:2:169:LYS:HD3	1:2:343:ASN:HD22	1.51	0.74
1:B:169:LYS:HD3	1:B:343:ASN:HD22	1.51	0.74
1:L:169:LYS:HD3	1:L:343:ASN:HD22	1.51	0.74
1:U:194:SER:HB3	1:U:197:ASN:HB2	1.66	0.74
1:X:169:LYS:HD3	1:X:343:ASN:HD22	1.51	0.74
1:1:260:VAL:CG1	1:1:328:GLN:CG	2.60	0.74
1:N:260:VAL:CG1	1:N:328:GLN:CG	2.60	0.74
1:k:53:ILE:HG13	1:l:206:ASN:ND2	2.01	0.74
1:1:169:LYS:HD3	1:1:343:ASN:HD22	1.51	0.74
1:A:230:PHE:CD1	1:A:329:SER:O	2.41	0.74
1:B:53:ILE:HG13	1:J:206:ASN:ND2	2.01	0.74

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:230:PHE:CD1	1:H:329:SER:O	2.41	0.74
1:Q:230:PHE:CD1	1:Q:329:SER:O	2.41	0.74
1:g:230:PHE:CD1	1:g:329:SER:O	2.41	0.74
1:s:230:PHE:CD1	1:s:329:SER:O	2.41	0.74
1:A:67:ARG:NH2	1:E:205:PHE:O	2.21	0.74
1:G:230:PHE:CD1	1:G:329:SER:O	2.41	0.74
1:K:230:PHE:CD1	1:K:329:SER:O	2.41	0.74
1:X:206:ASN:ND2	1:4:53:ILE:HG13	2.01	0.74
1:5:230:PHE:CD1	1:5:329:SER:O	2.41	0.74
1:3:53:ILE:HG13	1:b:206:ASN:ND2	2.01	0.74
1:b:122:THR:CG2	1:b:123:LYS:N	2.48	0.74
1:d:230:PHE:CD1	1:d:329:SER:O	2.41	0.74
1:m:169:LYS:HD3	1:m:343:ASN:HD22	1.51	0.74
1:o:230:PHE:CD1	1:o:329:SER:O	2.41	0.74
1:q:230:PHE:CD1	1:q:329:SER:O	2.41	0.74
1:w:230:PHE:CD1	1:w:329:SER:O	2.41	0.74
1:I:230:PHE:CD1	1:I:329:SER:O	2.41	0.74
1:X:122:THR:CG2	1:X:123:LYS:N	2.48	0.74
1:8:230:PHE:CD1	1:8:329:SER:O	2.41	0.74
1:a:260:VAL:CG1	1:a:328:GLN:CG	2.60	0.74
1:r:230:PHE:CD1	1:r:329:SER:O	2.41	0.74
1:u:230:PHE:CD1	1:u:329:SER:O	2.41	0.74
1:C:230:PHE:CD1	1:C:329:SER:O	2.41	0.74
1:G:67:ARG:NH2	1:W:205:PHE:O	2.21	0.74
1:I:260:VAL:CG1	1:I:328:GLN:CG	2.60	0.74
1:R:230:PHE:CD1	1:R:329:SER:O	2.41	0.74
1:W:169:LYS:HD3	1:W:343:ASN:HD22	1.51	0.74
1:8:260:VAL:CG1	1:8:328:GLN:CG	2.60	0.74
1:6:122:THR:CG2	1:6:123:LYS:H	1.93	0.74
1:e:205:PHE:O	1:q:67:ARG:NH2	2.21	0.74
1:g:122:THR:CG2	1:g:123:LYS:N	2.48	0.74
1:h:230:PHE:CD1	1:h:329:SER:O	2.41	0.74
1:C:206:ASN:ND2	1:M:53:ILE:HG13	2.01	0.73
1:H:67:ARG:NH2	1:I:205:PHE:O	2.21	0.73
1:K:122:THR:CG2	1:K:123:LYS:N	2.48	0.73
1:O:230:PHE:CD1	1:O:329:SER:O	2.41	0.73
1:7:122:THR:CG2	1:7:123:LYS:H	1.93	0.73
1:e:169:LYS:HD3	1:e:343:ASN:HD22	1.51	0.73
1:j:230:PHE:CD1	1:j:329:SER:O	2.41	0.73
1:s:169:LYS:HD3	1:s:343:ASN:HD22	1.51	0.73
1:D:230:PHE:CD1	1:D:329:SER:O	2.41	0.73

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:230:PHE:CD1	1:M:329:SER:O	2.41	0.73
1:M:260:VAL:CG1	1:M:328:GLN:CG	2.60	0.73
1:b:230:PHE:CD1	1:b:329:SER:O	2.41	0.73
1:i:53:ILE:HG13	1:j:206:ASN:ND2	2.01	0.73
1:i:230:PHE:CD1	1:i:329:SER:O	2.41	0.73
1:z:230:PHE:CD1	1:z:329:SER:O	2.41	0.73
1:2:230:PHE:CD1	1:2:329:SER:O	2.41	0.73
1:A:169:LYS:HD3	1:A:343:ASN:HD22	1.51	0.73
1:X:230:PHE:CD1	1:X:329:SER:O	2.41	0.73
1:Z:169:LYS:HD3	1:Z:343:ASN:HD22	1.51	0.73
1:d:67:ARG:NH2	1:r:205:PHE:O	2.21	0.73
1:h:260:VAL:CG1	1:h:328:GLN:CG	2.60	0.73
1:k:230:PHE:CD1	1:k:329:SER:O	2.41	0.73
1:n:205:PHE:O	1:s:67:ARG:NH2	2.21	0.73
1:r:260:VAL:CG1	1:r:328:GLN:CG	2.60	0.73
1:B:230:PHE:CD1	1:B:329:SER:O	2.41	0.73
1:V:205:PHE:O	1:W:67:ARG:NH2	2.21	0.73
1:7:67:ARG:NH2	1:i:205:PHE:O	2.21	0.73
1:7:230:PHE:CD1	1:7:329:SER:O	2.41	0.73
1:a:205:PHE:O	1:e:67:ARG:NH2	2.21	0.73
1:y:230:PHE:CD1	1:y:329:SER:O	2.41	0.73
1:N:67:ARG:NH2	1:g:205:PHE:O	2.21	0.73
1:P:230:PHE:CD1	1:P:329:SER:O	2.41	0.73
1:T:169:LYS:HD3	1:T:343:ASN:HD22	1.51	0.73
1:V:230:PHE:CD1	1:V:329:SER:O	2.41	0.73
1:e:230:PHE:CD1	1:e:329:SER:O	2.41	0.73
1:n:122:THR:CG2	1:n:123:LYS:N	2.48	0.73
1:x:169:LYS:HD3	1:x:343:ASN:HD22	1.51	0.73
1:C:122:THR:CG2	1:C:123:LYS:N	2.48	0.73
1:H:260:VAL:CG1	1:H:328:GLN:CG	2.60	0.73
1:W:230:PHE:CD1	1:W:329:SER:O	2.41	0.73
1:6:230:PHE:CD1	1:6:329:SER:O	2.41	0.73
1:f:169:LYS:HD3	1:f:343:ASN:HD22	1.51	0.73
1:i:260:VAL:CG1	1:i:328:GLN:CG	2.60	0.73
1:E:122:THR:CG2	1:E:123:LYS:N	2.48	0.73
1:K:205:PHE:O	1:1:67:ARG:NH2	2.21	0.73
1:Q:67:ARG:NH2	1:S:205:PHE:O	2.21	0.73
1:T:230:PHE:CD1	1:T:329:SER:O	2.41	0.73
1:4:230:PHE:CD1	1:4:329:SER:O	2.41	0.73
1:a:230:PHE:CD1	1:a:329:SER:O	2.41	0.73
1:j:122:THR:CG2	1:j:123:LYS:N	2.48	0.73

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:j:260:VAL:CG1	1:j:328:GLN:CG	2.60	0.73
1:t:230:PHE:CD1	1:t:329:SER:O	2.41	0.73
1:E:230:PHE:CD1	1:E:329:SER:O	2.41	0.73
1:S:230:PHE:CD1	1:S:329:SER:O	2.41	0.73
1:3:230:PHE:CD1	1:3:329:SER:O	2.41	0.73
1:n:230:PHE:CD1	1:n:329:SER:O	2.41	0.73
1:v:230:PHE:CD1	1:v:329:SER:O	2.41	0.73
1:x:230:PHE:CD1	1:x:329:SER:O	2.41	0.73
1:J:230:PHE:CD1	1:J:329:SER:O	2.41	0.73
1:U:230:PHE:CD1	1:U:329:SER:O	2.41	0.73
1:Z:230:PHE:CD1	1:Z:329:SER:O	2.41	0.73
1:d:260:VAL:CG1	1:d:328:GLN:CG	2.60	0.73
1:m:230:PHE:CD1	1:m:329:SER:O	2.41	0.73
1:p:230:PHE:CD1	1:p:329:SER:O	2.41	0.73
1:D:205:PHE:O	1:E:67:ARG:NH2	2.21	0.72
1:F:230:PHE:CD1	1:F:329:SER:O	2.41	0.72
1:L:230:PHE:CD1	1:L:329:SER:O	2.41	0.72
1:c:230:PHE:CD1	1:c:329:SER:O	2.41	0.72
1:f:230:PHE:CD1	1:f:329:SER:O	2.41	0.72
1:l:230:PHE:CD1	1:l:329:SER:O	2.41	0.72
1:o:67:ARG:NH2	1:v:205:PHE:O	2.21	0.72
1:C:260:VAL:CG1	1:C:328:GLN:CG	2.60	0.72
1:U:260:VAL:CG1	1:U:328:GLN:CG	2.60	0.72
1:Y:230:PHE:CD1	1:Y:329:SER:O	2.41	0.72
1:e:260:VAL:CG1	1:e:328:GLN:CG	2.60	0.72
1:w:260:VAL:CG1	1:w:328:GLN:CG	2.60	0.72
1:D:122:THR:CG2	1:D:123:LYS:N	2.48	0.72
1:n:67:ARG:NH2	1:z:205:PHE:O	2.21	0.72
1:B:205:PHE:O	1:C:67:ARG:NH2	2.21	0.72
1:J:67:ARG:NH2	1:8:205:PHE:O	2.21	0.72
1:K:67:ARG:NH2	1:L:205:PHE:O	2.21	0.72
1:N:230:PHE:CD1	1:N:329:SER:O	2.41	0.72
1:T:205:PHE:O	1:c:67:ARG:NH2	2.21	0.72
1:3:122:THR:CG2	1:3:123:LYS:N	2.48	0.72
1:j:67:ARG:NH2	1:k:205:PHE:O	2.21	0.72
1:1:230:PHE:CD1	1:1:329:SER:O	2.41	0.72
1:Y:67:ARG:NH2	1:x:205:PHE:O	2.21	0.72
1:4:122:THR:CG2	1:4:123:LYS:N	2.48	0.72
1:H:205:PHE:O	1:Z:67:ARG:NH2	2.21	0.72
1:W:260:VAL:CG1	1:W:328:GLN:CG	2.60	0.72
1:5:260:VAL:CG1	1:5:328:GLN:CG	2.60	0.72

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:d:205:PHE:O	1:f:67:ARG:NH2	2.21	0.72
1:g:67:ARG:NH2	1:m:205:PHE:O	2.21	0.72
1:t:260:VAL:CG1	1:t:328:GLN:CG	2.60	0.72
1:v:260:VAL:CG1	1:v:328:GLN:CG	2.60	0.72
1:G:163:ASP:OD2	1:G:207:LYS:NZ	2.23	0.72
1:U:67:ARG:NH2	1:4:205:PHE:O	2.21	0.72
1:Z:163:ASP:OD2	1:Z:207:LYS:NZ	2.23	0.72
1:f:163:ASP:OD2	1:f:207:LYS:NZ	2.23	0.72
1:h:205:PHE:O	1:l:67:ARG:NH2	2.21	0.72
1:p:67:ARG:NH2	1:q:205:PHE:O	2.20	0.72
1:q:163:ASP:OD2	1:q:207:LYS:NZ	2.23	0.72
1:F:205:PHE:O	1:R:67:ARG:NH2	2.21	0.72
1:H:163:ASP:OD2	1:H:207:LYS:NZ	2.23	0.72
1:S:67:ARG:NH2	1:5:205:PHE:O	2.21	0.72
1:S:260:VAL:CG1	1:S:328:GLN:CG	2.60	0.72
1:V:260:VAL:CG1	1:V:328:GLN:CG	2.60	0.72
1:x:163:ASP:OD2	1:x:207:LYS:NZ	2.23	0.72
1:E:163:ASP:OD2	1:E:207:LYS:NZ	2.23	0.72
1:S:163:ASP:OD2	1:S:207:LYS:NZ	2.23	0.72
1:T:163:ASP:OD2	1:T:207:LYS:NZ	2.23	0.72
1:4:163:ASP:OD2	1:4:207:LYS:NZ	2.23	0.72
1:3:163:ASP:OD2	1:3:207:LYS:NZ	2.23	0.72
1:3:205:PHE:O	1:t:67:ARG:NH2	2.21	0.72
1:d:163:ASP:OD2	1:d:207:LYS:NZ	2.23	0.72
1:n:163:ASP:OD2	1:n:207:LYS:NZ	2.23	0.72
1:v:67:ARG:NH2	1:w:205:PHE:O	2.21	0.72
1:v:163:ASP:OD2	1:v:207:LYS:NZ	2.23	0.72
1:X:67:ARG:NH2	1:Y:205:PHE:O	2.21	0.72
1:X:205:PHE:O	1:3:67:ARG:NH2	2.21	0.72
1:4:67:ARG:NH2	1:b:205:PHE:O	2.21	0.72
1:b:67:ARG:NH2	1:c:205:PHE:O	2.21	0.71
1:I:67:ARG:NH2	1:J:205:PHE:O	2.21	0.71
1:W:163:ASP:OD2	1:W:207:LYS:NZ	2.23	0.71
1:p:205:PHE:O	1:u:67:ARG:NH2	2.21	0.71
1:D:163:ASP:OD2	1:D:207:LYS:NZ	2.23	0.71
1:F:67:ARG:NH2	1:G:205:PHE:O	2.21	0.71
1:F:163:ASP:OD2	1:F:207:LYS:NZ	2.23	0.71
1:M:67:ARG:NH2	1:N:205:PHE:O	2.21	0.71
1:O:67:ARG:NH2	1:P:205:PHE:O	2.21	0.71
1:R:163:ASP:OD2	1:R:207:LYS:NZ	2.23	0.71
1:e:163:ASP:OD2	1:e:207:LYS:NZ	2.23	0.71

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:z:163:ASP:OD2	1:z:207:LYS:NZ	2.23	0.71
1:B:228:PHE:CD2	1:B:328:GLN:HB2	2.26	0.71
1:G:228:PHE:CD2	1:G:328:GLN:HB2	2.26	0.71
1:5:163:ASP:OD2	1:5:207:LYS:NZ	2.23	0.71
1:k:228:PHE:CD2	1:k:328:GLN:HB2	2.26	0.71
1:u:163:ASP:OD2	1:u:207:LYS:NZ	2.23	0.71
1:A:205:PHE:O	1:B:67:ARG:NH2	2.21	0.71
1:T:228:PHE:CD2	1:T:328:GLN:HB2	2.26	0.71
1:c:228:PHE:CD2	1:c:328:GLN:HB2	2.26	0.71
1:k:67:ARG:NH2	1:s:205:PHE:O	2.21	0.71
1:l:205:PHE:O	1:r:67:ARG:NH2	2.21	0.71
1:p:163:ASP:OD2	1:p:207:LYS:NZ	2.23	0.71
1:q:228:PHE:CD2	1:q:328:GLN:HB2	2.26	0.71
1:s:163:ASP:OD2	1:s:207:LYS:NZ	2.23	0.71
1:x:228:PHE:CD2	1:x:328:GLN:HB2	2.26	0.71
1:A:163:ASP:OD2	1:A:207:LYS:NZ	2.23	0.71
1:X:163:ASP:OD2	1:X:207:LYS:NZ	2.23	0.71
1:Y:228:PHE:CD2	1:Y:328:GLN:HB2	2.26	0.71
1:i:67:ARG:NH2	1:1:205:PHE:O	2.21	0.71
1:n:228:PHE:CD2	1:n:328:GLN:HB2	2.26	0.71
1:w:163:ASP:OD2	1:w:207:LYS:NZ	2.23	0.71
1:y:205:PHE:O	1:2:67:ARG:NH2	2.21	0.71
1:E:228:PHE:CD2	1:E:328:GLN:HB2	2.26	0.71
1:M:163:ASP:OD2	1:M:207:LYS:NZ	2.23	0.71
1:N:163:ASP:OD2	1:N:207:LYS:NZ	2.23	0.71
1:i:163:ASP:OD2	1:i:207:LYS:NZ	2.23	0.71
1:o:228:PHE:CD2	1:o:328:GLN:HB2	2.26	0.71
1:1:163:ASP:OD2	1:1:207:LYS:NZ	2.23	0.71
1:C:163:ASP:OD2	1:C:207:LYS:NZ	2.23	0.71
1:J:163:ASP:OD2	1:J:207:LYS:NZ	2.23	0.71
1:P:228:PHE:CD2	1:P:328:GLN:HB2	2.26	0.71
1:R:122:THR:CG2	1:R:123:LYS:H	1.93	0.71
1:T:67:ARG:NH2	1:U:205:PHE:O	2.21	0.71
1:W:228:PHE:CD2	1:W:328:GLN:HB2	2.26	0.71
1:8:163:ASP:OD2	1:8:207:LYS:NZ	2.23	0.71
1:b:163:ASP:OD2	1:b:207:LYS:NZ	2.23	0.71
1:l:163:ASP:OD2	1:l:207:LYS:NZ	2.23	0.71
1:t:163:ASP:OD2	1:t:207:LYS:NZ	2.23	0.71
1:t:205:PHE:O	1:x:67:ARG:NH2	2.21	0.71
1:y:228:PHE:CD2	1:y:328:GLN:HB2	2.26	0.71
1:Q:228:PHE:CD2	1:Q:328:GLN:HB2	2.26	0.71

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:U:163:ASP:OD2	1:U:207:LYS:NZ	2.23	0.71
1:Y:163:ASP:OD2	1:Y:207:LYS:NZ	2.23	0.71
1:Z:228:PHE:CD2	1:Z:328:GLN:HB2	2.26	0.71
1:6:228:PHE:CD2	1:6:328:GLN:HB2	2.26	0.71
1:c:163:ASP:OD2	1:c:207:LYS:NZ	2.23	0.71
1:e:228:PHE:CD2	1:e:328:GLN:HB2	2.26	0.71
1:f:228:PHE:CD2	1:f:328:GLN:HB2	2.26	0.71
1:j:163:ASP:OD2	1:j:207:LYS:NZ	2.23	0.71
1:l:228:PHE:CD2	1:l:328:GLN:HB2	2.26	0.71
1:z:228:PHE:CD2	1:z:328:GLN:HB2	2.26	0.71
1:D:228:PHE:CD2	1:D:328:GLN:HB2	2.26	0.71
1:I:228:PHE:CD2	1:I:328:GLN:HB2	2.26	0.71
1:J:228:PHE:CD2	1:J:328:GLN:HB2	2.26	0.71
1:L:163:ASP:OD2	1:L:207:LYS:NZ	2.23	0.71
1:P:67:ARG:NH2	1:Q:205:PHE:O	2.21	0.71
1:7:228:PHE:CD2	1:7:328:GLN:HB2	2.26	0.71
1:h:163:ASP:OD2	1:h:207:LYS:NZ	2.23	0.71
1:m:163:ASP:OD2	1:m:207:LYS:NZ	2.23	0.71
1:F:260:VAL:CG1	1:F:328:GLN:CG	2.60	0.70
1:K:228:PHE:CD2	1:K:328:GLN:HB2	2.26	0.70
1:O:228:PHE:CD2	1:O:328:GLN:HB2	2.26	0.70
1:8:122:THR:CG2	1:8:123:LYS:N	2.48	0.70
1:g:228:PHE:CD2	1:g:328:GLN:HB2	2.26	0.70
1:h:228:PHE:CD2	1:h:328:GLN:HB2	2.26	0.70
1:p:260:VAL:CG1	1:p:328:GLN:CG	2.60	0.70
1:r:228:PHE:CD2	1:r:328:GLN:HB2	2.26	0.70
1:s:122:THR:CG2	1:s:123:LYS:N	2.48	0.70
1:y:163:ASP:OD2	1:y:207:LYS:NZ	2.23	0.70
1:2:228:PHE:CD2	1:2:328:GLN:HB2	2.26	0.70
1:H:228:PHE:CD2	1:H:328:GLN:HB2	2.26	0.70
1:M:228:PHE:CD2	1:M:328:GLN:HB2	2.26	0.70
1:P:260:VAL:CG1	1:P:328:GLN:CG	2.60	0.70
1:T:117:LYS:NZ	1:T:305:GLU:OE2	2.25	0.70
1:8:228:PHE:CD2	1:8:328:GLN:HB2	2.26	0.70
1:d:228:PHE:CD2	1:d:328:GLN:HB2	2.26	0.70
1:o:205:PHE:O	1:y:67:ARG:NH2	2.21	0.70
1:u:122:THR:CG2	1:u:123:LYS:H	1.93	0.70
1:v:228:PHE:CD2	1:v:328:GLN:HB2	2.26	0.70
1:2:163:ASP:OD2	1:2:207:LYS:NZ	2.23	0.70
1:K:163:ASP:OD2	1:K:207:LYS:NZ	2.23	0.70
1:N:228:PHE:CD2	1:N:328:GLN:HB2	2.26	0.70

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:163:ASP:OD2	1:P:207:LYS:NZ	2.23	0.70
1:Q:117:LYS:NZ	1:Q:305:GLU:OE2	2.25	0.70
1:S:228:PHE:CD2	1:S:328:GLN:HB2	2.26	0.70
1:8:117:LYS:NZ	1:8:305:GLU:OE2	2.25	0.70
1:6:163:ASP:OD2	1:6:207:LYS:NZ	2.23	0.70
1:4:228:PHE:CD2	1:4:328:GLN:HB2	2.26	0.70
1:3:228:PHE:CD2	1:3:328:GLN:HB2	2.26	0.70
1:h:117:LYS:NZ	1:h:305:GLU:OE2	2.25	0.70
1:i:228:PHE:CD2	1:i:328:GLN:HB2	2.26	0.70
1:k:163:ASP:OD2	1:k:207:LYS:NZ	2.23	0.70
1:o:117:LYS:NZ	1:o:305:GLU:OE2	2.25	0.70
1:x:117:LYS:NZ	1:x:305:GLU:OE2	2.25	0.70
1:1:228:PHE:CD2	1:1:328:GLN:HB2	2.26	0.70
1:A:117:LYS:NZ	1:A:305:GLU:OE2	2.25	0.70
1:A:122:THR:CG2	1:A:123:LYS:N	2.48	0.70
1:B:163:ASP:OD2	1:B:207:LYS:NZ	2.23	0.70
1:K:117:LYS:NZ	1:K:305:GLU:OE2	2.25	0.70
1:O:163:ASP:OD2	1:O:207:LYS:NZ	2.23	0.70
1:h:122:THR:CG2	1:h:123:LYS:N	2.48	0.70
1:s:117:LYS:NZ	1:s:305:GLU:OE2	2.25	0.70
1:L:117:LYS:NZ	1:L:305:GLU:OE2	2.25	0.70
1:M:122:THR:CG2	1:M:123:LYS:N	2.48	0.70
1:7:163:ASP:OD2	1:7:207:LYS:NZ	2.23	0.70
1:g:117:LYS:NZ	1:g:305:GLU:OE2	2.25	0.70
1:g:163:ASP:OD2	1:g:207:LYS:NZ	2.23	0.70
1:i:117:LYS:NZ	1:i:305:GLU:OE2	2.25	0.70
1:m:117:LYS:NZ	1:m:305:GLU:OE2	2.25	0.70
1:w:228:PHE:CD2	1:w:328:GLN:HB2	2.26	0.70
1:C:117:LYS:NZ	1:C:305:GLU:OE2	2.25	0.70
1:M:117:LYS:NZ	1:M:305:GLU:OE2	2.25	0.70
1:X:260:VAL:CG1	1:X:328:GLN:CG	2.60	0.70
1:j:117:LYS:NZ	1:j:305:GLU:OE2	2.25	0.70
1:S:117:LYS:NZ	1:S:305:GLU:OE2	2.25	0.70
1:V:163:ASP:OD2	1:V:207:LYS:NZ	2.23	0.70
1:X:117:LYS:NZ	1:X:305:GLU:OE2	2.25	0.70
1:5:228:PHE:CD2	1:5:328:GLN:HB2	2.26	0.70
1:q:117:LYS:NZ	1:q:305:GLU:OE2	2.25	0.70
1:t:228:PHE:CD2	1:t:328:GLN:HB2	2.26	0.70
1:v:117:LYS:NZ	1:v:305:GLU:OE2	2.25	0.70
1:y:260:VAL:CG1	1:y:328:GLN:CG	2.60	0.70
1:G:117:LYS:NZ	1:G:305:GLU:OE2	2.25	0.70

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Q:163:ASP:OD2	1:Q:207:LYS:NZ	2.23	0.70
1:U:228:PHE:CD2	1:U:328:GLN:HB2	2.26	0.70
1:V:228:PHE:CD2	1:V:328:GLN:HB2	2.26	0.70
1:a:163:ASP:OD2	1:a:207:LYS:NZ	2.23	0.70
1:b:117:LYS:NZ	1:b:305:GLU:OE2	2.25	0.70
1:p:117:LYS:NZ	1:p:305:GLU:OE2	2.25	0.70
1:F:117:LYS:NZ	1:F:305:GLU:OE2	2.25	0.70
1:I:117:LYS:NZ	1:I:305:GLU:OE2	2.25	0.70
1:6:205:PHE:O	1:m:67:ARG:NH2	2.21	0.70
1:a:228:PHE:CD2	1:a:328:GLN:HB2	2.26	0.70
1:d:122:THR:CG2	1:d:123:LYS:N	2.48	0.70
1:j:228:PHE:CD2	1:j:328:GLN:HB2	2.26	0.70
1:o:163:ASP:OD2	1:o:207:LYS:NZ	2.23	0.70
1:r:117:LYS:NZ	1:r:305:GLU:OE2	2.25	0.70
1:C:228:PHE:CD2	1:C:328:GLN:HB2	2.26	0.70
1:L:228:PHE:CD2	1:L:328:GLN:HB2	2.26	0.70
1:H:122:THR:CG2	1:H:123:LYS:N	2.48	0.69
1:l:122:THR:CG2	1:l:123:LYS:N	2.48	0.69
1:m:228:PHE:CD2	1:m:328:GLN:HB2	2.26	0.69
1:p:228:PHE:CD2	1:p:328:GLN:HB2	2.26	0.69
1:F:228:PHE:CD2	1:F:328:GLN:HB2	2.26	0.69
1:H:117:LYS:NZ	1:H:305:GLU:OE2	2.25	0.69
1:J:117:LYS:NZ	1:J:305:GLU:OE2	2.25	0.69
1:Z:117:LYS:NZ	1:Z:305:GLU:OE2	2.25	0.69
1:d:117:LYS:NZ	1:d:305:GLU:OE2	2.25	0.69
1:f:117:LYS:NZ	1:f:305:GLU:OE2	2.25	0.69
1:y:117:LYS:NZ	1:y:305:GLU:OE2	2.25	0.69
1:J:122:THR:CG2	1:J:123:LYS:N	2.48	0.69
1:O:117:LYS:NZ	1:O:305:GLU:OE2	2.25	0.69
1:P:117:LYS:NZ	1:P:305:GLU:OE2	2.25	0.69
1:R:228:PHE:CD2	1:R:328:GLN:HB2	2.26	0.69
1:X:228:PHE:CD2	1:X:328:GLN:HB2	2.26	0.69
1:k:117:LYS:NZ	1:k:305:GLU:OE2	2.25	0.69
1:l:117:LYS:NZ	1:l:305:GLU:OE2	2.25	0.69
1:r:163:ASP:OD2	1:r:207:LYS:NZ	2.23	0.69
1:2:117:LYS:NZ	1:2:305:GLU:OE2	2.25	0.69
1:E:117:LYS:NZ	1:E:305:GLU:OE2	2.25	0.69
1:I:163:ASP:OD2	1:I:207:LYS:NZ	2.23	0.69
1:W:117:LYS:NZ	1:W:305:GLU:OE2	2.25	0.69
1:A:228:PHE:CD2	1:A:328:GLN:HB2	2.26	0.69
1:B:117:LYS:NZ	1:B:305:GLU:OE2	2.25	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Q:122:THR:CG2	1:Q:123:LYS:H	1.93	0.69
1:Z:122:THR:CG2	1:Z:123:LYS:N	2.48	0.69
1:b:228:PHE:CD2	1:b:328:GLN:HB2	2.26	0.69
1:n:117:LYS:NZ	1:n:305:GLU:OE2	2.25	0.69
1:s:228:PHE:CD2	1:s:328:GLN:HB2	2.26	0.69
1:u:228:PHE:CD2	1:u:328:GLN:HB2	2.26	0.69
1:R:205:PHE:O	1:V:67:ARG:NH2	2.21	0.69
1:X:270:GLY:O	1:X:272:TYR:CE2	2.46	0.69
1:8:270:GLY:O	1:8:272:TYR:CE2	2.46	0.69
1:e:117:LYS:NZ	1:e:305:GLU:OE2	2.25	0.69
1:B:270:GLY:O	1:B:272:TYR:CE2	2.46	0.69
1:Y:270:GLY:O	1:Y:272:TYR:CE2	2.46	0.69
1:3:270:GLY:O	1:3:272:TYR:CE2	2.46	0.69
1:b:270:GLY:O	1:b:272:TYR:CE2	2.46	0.69
1:c:270:GLY:O	1:c:272:TYR:CE2	2.46	0.69
1:f:122:THR:CG2	1:f:123:LYS:N	2.48	0.69
1:h:270:GLY:O	1:h:272:TYR:CE2	2.46	0.69
1:j:205:PHE:O	1:z:67:ARG:NH2	2.21	0.69
1:k:270:GLY:O	1:k:272:TYR:CE2	2.46	0.69
1:1:117:LYS:NZ	1:1:305:GLU:OE2	2.25	0.69
1:C:205:PHE:O	1:D:67:ARG:NH2	2.21	0.69
1:C:270:GLY:O	1:C:272:TYR:CE2	2.46	0.69
1:F:270:GLY:O	1:F:272:TYR:CE2	2.46	0.69
1:I:270:GLY:O	1:I:272:TYR:CE2	2.46	0.69
1:K:270:GLY:O	1:K:272:TYR:CE2	2.46	0.69
1:L:270:GLY:O	1:L:272:TYR:CE2	2.46	0.69
1:N:117:LYS:NZ	1:N:305:GLU:OE2	2.25	0.69
1:O:270:GLY:O	1:O:272:TYR:CE2	2.46	0.69
1:P:270:GLY:O	1:P:272:TYR:CE2	2.46	0.69
1:5:117:LYS:NZ	1:5:305:GLU:OE2	2.25	0.69
1:4:270:GLY:O	1:4:272:TYR:CE2	2.46	0.69
1:3:117:LYS:NZ	1:3:305:GLU:OE2	2.25	0.69
1:a:67:ARG:NH2	1:u:205:PHE:O	2.21	0.69
1:j:270:GLY:O	1:j:272:TYR:CE2	2.46	0.69
1:r:270:GLY:O	1:r:272:TYR:CE2	2.46	0.69
1:t:117:LYS:NZ	1:t:305:GLU:OE2	2.25	0.69
1:w:117:LYS:NZ	1:w:305:GLU:OE2	2.25	0.69
1:x:270:GLY:O	1:x:272:TYR:CE2	2.46	0.69
1:y:270:GLY:O	1:y:272:TYR:CE2	2.46	0.69
1:2:270:GLY:O	1:2:272:TYR:CE2	2.46	0.69
1:O:205:PHE:O	1:5:67:ARG:NH2	2.22	0.69

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Q:270:GLY:O	1:Q:272:TYR:CE2	2.46	0.69
1:T:270:GLY:O	1:T:272:TYR:CE2	2.46	0.69
1:U:117:LYS:NZ	1:U:305:GLU:OE2	2.25	0.69
1:6:117:LYS:NZ	1:6:305:GLU:OE2	2.25	0.69
1:4:117:LYS:NZ	1:4:305:GLU:OE2	2.25	0.69
1:a:117:LYS:NZ	1:a:305:GLU:OE2	2.25	0.69
1:g:270:GLY:O	1:g:272:TYR:CE2	2.46	0.69
1:o:122:THR:CG2	1:o:123:LYS:H	1.93	0.69
1:o:270:GLY:O	1:o:272:TYR:CE2	2.46	0.69
1:W:270:GLY:O	1:W:272:TYR:CE2	2.46	0.69
1:Z:270:GLY:O	1:Z:272:TYR:CE2	2.46	0.69
1:7:117:LYS:NZ	1:7:305:GLU:OE2	2.25	0.69
1:f:270:GLY:O	1:f:272:TYR:CE2	2.46	0.69
1:m:270:GLY:O	1:m:272:TYR:CE2	2.46	0.69
1:n:270:GLY:O	1:n:272:TYR:CE2	2.46	0.69
1:p:270:GLY:O	1:p:272:TYR:CE2	2.46	0.69
1:u:117:LYS:NZ	1:u:305:GLU:OE2	2.25	0.69
1:w:67:ARG:NH2	1:2:205:PHE:O	2.22	0.69
1:1:270:GLY:O	1:1:272:TYR:CE2	2.46	0.69
1:E:270:GLY:O	1:E:272:TYR:CE2	2.46	0.68
1:L:67:ARG:NH2	1:7:205:PHE:O	2.22	0.68
1:N:270:GLY:O	1:N:272:TYR:CE2	2.46	0.68
1:R:117:LYS:NZ	1:R:305:GLU:OE2	2.25	0.68
1:R:270:GLY:O	1:R:272:TYR:CE2	2.46	0.68
1:V:122:THR:CG2	1:V:123:LYS:N	2.48	0.68
1:X:122:THR:CG2	1:X:123:LYS:H	1.93	0.68
1:7:270:GLY:O	1:7:272:TYR:CE2	2.46	0.68
1:c:117:LYS:NZ	1:c:305:GLU:OE2	2.25	0.68
1:e:270:GLY:O	1:e:272:TYR:CE2	2.46	0.68
1:u:270:GLY:O	1:u:272:TYR:CE2	2.46	0.68
1:D:117:LYS:NZ	1:D:305:GLU:OE2	2.25	0.68
1:U:270:GLY:O	1:U:272:TYR:CE2	2.46	0.68
1:V:117:LYS:NZ	1:V:305:GLU:OE2	2.25	0.68
1:a:122:THR:CG2	1:a:123:LYS:N	2.48	0.68
1:t:270:GLY:O	1:t:272:TYR:CE2	2.46	0.68
1:z:117:LYS:NZ	1:z:305:GLU:OE2	2.25	0.68
1:D:270:GLY:O	1:D:272:TYR:CE2	2.46	0.68
1:J:270:GLY:O	1:J:272:TYR:CE2	2.46	0.68
1:Y:117:LYS:NZ	1:Y:305:GLU:OE2	2.25	0.68
1:6:270:GLY:O	1:6:272:TYR:CE2	2.46	0.68
1:d:270:GLY:O	1:d:272:TYR:CE2	2.46	0.68

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:270:GLY:O	1:H:272:TYR:CE2	2.46	0.68
1:l:270:GLY:O	1:l:272:TYR:CE2	2.46	0.68
1:q:270:GLY:O	1:q:272:TYR:CE2	2.46	0.68
1:v:270:GLY:O	1:v:272:TYR:CE2	2.46	0.68
1:z:270:GLY:O	1:z:272:TYR:CE2	2.46	0.68
1:2:75:LEU:HD12	1:2:79:GLU:HG3	1.76	0.68
1:A:75:LEU:HD12	1:A:79:GLU:HG3	1.76	0.68
1:O:75:LEU:HD12	1:O:79:GLU:HG3	1.76	0.68
1:S:270:GLY:O	1:S:272:TYR:CE2	2.46	0.68
1:U:75:LEU:HD12	1:U:79:GLU:HG3	1.76	0.68
1:8:75:LEU:HD12	1:8:79:GLU:HG3	1.76	0.68
1:h:75:LEU:HD12	1:h:79:GLU:HG3	1.76	0.68
1:t:75:LEU:HD12	1:t:79:GLU:HG3	1.76	0.68
1:G:270:GLY:O	1:G:272:TYR:CE2	2.46	0.68
1:M:270:GLY:O	1:M:272:TYR:CE2	2.46	0.68
1:b:122:THR:CG2	1:b:123:LYS:H	1.93	0.68
1:s:75:LEU:HD12	1:s:79:GLU:HG3	1.76	0.68
1:S:75:LEU:HD12	1:S:79:GLU:HG3	1.76	0.68
1:X:75:LEU:HD12	1:X:79:GLU:HG3	1.76	0.68
1:7:75:LEU:HD12	1:7:79:GLU:HG3	1.76	0.68
1:b:75:LEU:HD12	1:b:79:GLU:HG3	1.76	0.68
1:i:270:GLY:O	1:i:272:TYR:CE2	2.46	0.68
1:v:75:LEU:HD12	1:v:79:GLU:HG3	1.76	0.68
1:1:75:LEU:HD12	1:1:79:GLU:HG3	1.76	0.68
1:A:270:GLY:O	1:A:272:TYR:CE2	2.46	0.68
1:C:75:LEU:HD12	1:C:79:GLU:HG3	1.76	0.68
1:H:75:LEU:HD12	1:H:79:GLU:HG3	1.76	0.68
1:N:75:LEU:HD12	1:N:79:GLU:HG3	1.76	0.68
1:d:75:LEU:HD12	1:d:79:GLU:HG3	1.76	0.68
1:j:75:LEU:HD12	1:j:79:GLU:HG3	1.76	0.68
1:m:75:LEU:HD12	1:m:79:GLU:HG3	1.76	0.68
1:s:270:GLY:O	1:s:272:TYR:CE2	2.46	0.68
1:6:75:LEU:HD12	1:6:79:GLU:HG3	1.76	0.68
1:L:75:LEU:HD12	1:L:79:GLU:HG3	1.76	0.67
1:V:270:GLY:O	1:V:272:TYR:CE2	2.46	0.67
1:5:75:LEU:HD12	1:5:79:GLU:HG3	1.76	0.67
1:5:270:GLY:O	1:5:272:TYR:CE2	2.46	0.67
1:E:75:LEU:HD12	1:E:79:GLU:HG3	1.76	0.67
1:Q:75:LEU:HD12	1:Q:79:GLU:HG3	1.76	0.67
1:Y:75:LEU:HD12	1:Y:79:GLU:HG3	1.76	0.67
1:7:303:LEU:HD22	1:6:112:MET:SD	2.34	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:a:270:GLY:O	1:a:272:TYR:CE2	2.46	0.67
1:w:75:LEU:HD12	1:w:79:GLU:HG3	1.76	0.67
1:w:270:GLY:O	1:w:272:TYR:CE2	2.46	0.67
1:M:205:PHE:O	1:6:67:ARG:NH2	2.21	0.67
1:c:75:LEU:HD12	1:c:79:GLU:HG3	1.76	0.67
1:g:75:LEU:HD12	1:g:79:GLU:HG3	1.76	0.67
1:n:75:LEU:HD12	1:n:79:GLU:HG3	1.76	0.67
1:o:75:LEU:HD12	1:o:79:GLU:HG3	1.76	0.67
1:L:290:GLN:HE22	1:7:276:PRO:HB2	1.59	0.67
1:S:290:GLN:HE22	1:5:276:PRO:HB2	1.59	0.67
1:f:205:PHE:O	1:h:67:ARG:NH2	2.22	0.67
1:v:290:GLN:HE22	1:w:276:PRO:HB2	1.59	0.67
1:K:75:LEU:HD12	1:K:79:GLU:HG3	1.76	0.67
1:j:239:VAL:HG13	1:j:268:MET:HE1	1.77	0.67
1:C:239:VAL:HG13	1:C:268:MET:HE1	1.77	0.67
1:e:276:PRO:HB2	1:q:290:GLN:HE22	1.60	0.67
1:q:83:ILE:HD11	1:q:273:LEU:HG	1.77	0.67
1:1:122:THR:CG2	1:1:123:LYS:N	2.48	0.67
1:D:75:LEU:HD12	1:D:79:GLU:HG3	1.76	0.67
1:G:83:ILE:HD11	1:G:273:LEU:HG	1.77	0.67
1:K:83:ILE:HD11	1:K:273:LEU:HG	1.77	0.67
1:N:83:ILE:HD11	1:N:273:LEU:HG	1.77	0.67
1:Z:75:LEU:HD12	1:Z:79:GLU:HG3	1.76	0.67
1:5:239:VAL:HG13	1:5:268:MET:HE1	1.77	0.67
1:f:75:LEU:HD12	1:f:79:GLU:HG3	1.76	0.67
1:g:83:ILE:HD11	1:g:273:LEU:HG	1.77	0.67
1:v:239:VAL:HG13	1:v:268:MET:HE1	1.77	0.67
1:1:83:ILE:HD11	1:1:273:LEU:HG	1.77	0.67
1:G:290:GLN:HE22	1:W:276:PRO:HB2	1.60	0.67
1:N:122:THR:CG2	1:N:123:LYS:N	2.48	0.67
1:S:239:VAL:HG13	1:S:268:MET:HE1	1.77	0.67
1:V:75:LEU:HD12	1:V:79:GLU:HG3	1.76	0.67
1:V:243:ASN:HD22	1:V:246:MET:CG	2.08	0.67
1:Z:205:PHE:O	1:8:67:ARG:NH2	2.22	0.67
1:7:83:ILE:HD11	1:7:273:LEU:HG	1.77	0.67
1:3:276:PRO:HB2	1:t:290:GLN:HE22	1.60	0.67
1:r:75:LEU:HD12	1:r:79:GLU:HG3	1.76	0.67
1:w:239:VAL:HG13	1:w:268:MET:HE1	1.77	0.67
1:B:75:LEU:HD12	1:B:79:GLU:HG3	1.76	0.67
1:B:83:ILE:HD11	1:B:273:LEU:HG	1.77	0.67
1:J:290:GLN:HE22	1:8:276:PRO:HB2	1.59	0.67

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:R:83:ILE:HD11	1:R:273:LEU:HG	1.77	0.67
1:6:83:ILE:HD11	1:6:273:LEU:HG	1.77	0.67
1:4:75:LEU:HD12	1:4:79:GLU:HG3	1.76	0.67
1:3:75:LEU:HD12	1:3:79:GLU:HG3	1.76	0.67
1:a:75:LEU:HD12	1:a:79:GLU:HG3	1.76	0.67
1:a:83:ILE:HD11	1:a:273:LEU:HG	1.77	0.67
1:e:75:LEU:HD12	1:e:79:GLU:HG3	1.76	0.67
1:h:276:PRO:HB2	1:l:290:GLN:HE22	1.59	0.67
1:k:83:ILE:HD11	1:k:273:LEU:HG	1.77	0.67
1:u:83:ILE:HD11	1:u:273:LEU:HG	1.77	0.67
1:D:276:PRO:HB2	1:E:290:GLN:HE22	1.60	0.67
1:T:276:PRO:HB2	1:c:290:GLN:HE22	1.60	0.67
1:V:83:ILE:HD11	1:V:273:LEU:HG	1.77	0.67
1:7:290:GLN:HE22	1:i:276:PRO:HB2	1.60	0.67
1:a:243:ASN:HD22	1:a:246:MET:CG	2.08	0.67
1:a:290:GLN:HE22	1:u:276:PRO:HB2	1.60	0.67
1:e:83:ILE:HD11	1:e:273:LEU:HG	1.77	0.67
1:n:290:GLN:HE22	1:z:276:PRO:HB2	1.60	0.67
1:z:75:LEU:HD12	1:z:79:GLU:HG3	1.76	0.67
1:1:243:ASN:HD22	1:1:246:MET:CG	2.08	0.67
1:C:83:ILE:HD11	1:C:273:LEU:HG	1.77	0.66
1:H:83:ILE:HD11	1:H:273:LEU:HG	1.77	0.66
1:H:243:ASN:HD22	1:H:246:MET:CG	2.08	0.66
1:I:75:LEU:HD12	1:I:79:GLU:HG3	1.76	0.66
1:N:243:ASN:HD22	1:N:246:MET:CG	2.08	0.66
1:O:83:ILE:HD11	1:O:273:LEU:HG	1.77	0.66
1:R:276:PRO:HB2	1:V:290:GLN:HE22	1.60	0.66
1:U:290:GLN:HE22	1:4:276:PRO:HB2	1.60	0.66
1:W:75:LEU:HD12	1:W:79:GLU:HG3	1.76	0.66
1:W:83:ILE:HD11	1:W:273:LEU:HG	1.77	0.66
1:d:243:ASN:HD22	1:d:246:MET:CG	2.08	0.66
1:k:75:LEU:HD12	1:k:79:GLU:HG3	1.76	0.66
1:p:290:GLN:HE22	1:q:276:PRO:HB2	1.59	0.66
1:y:276:PRO:HB2	1:2:290:GLN:HE22	1.60	0.66
1:D:239:VAL:HG13	1:D:268:MET:HE1	1.77	0.66
1:O:239:VAL:HG13	1:O:268:MET:HE1	1.77	0.66
1:O:290:GLN:HE22	1:P:276:PRO:HB2	1.60	0.66
1:Y:239:VAL:HG13	1:Y:268:MET:HE1	1.77	0.66
1:Y:290:GLN:HE22	1:x:276:PRO:HB2	1.60	0.66
1:8:239:VAL:HG13	1:8:268:MET:HE1	1.77	0.66
1:d:83:ILE:HD11	1:d:273:LEU:HG	1.77	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:f:276:PRO:HB2	1:h:290:GLN:HE22	1.60	0.66
1:k:290:GLN:HE22	1:s:276:PRO:HB2	1.60	0.66
1:l:239:VAL:HG13	1:l:268:MET:HE1	1.77	0.66
1:n:243:ASN:HD22	1:n:246:MET:CG	2.08	0.66
1:w:83:ILE:HD11	1:w:273:LEU:HG	1.77	0.66
1:z:239:VAL:HG13	1:z:268:MET:HE1	1.77	0.66
1:2:83:ILE:HD11	1:2:273:LEU:HG	1.77	0.66
1:B:239:VAL:HG13	1:B:268:MET:HE1	1.77	0.66
1:J:239:VAL:HG13	1:J:268:MET:HE1	1.77	0.66
1:M:276:PRO:HB2	1:6:290:GLN:HE22	1.60	0.66
1:M:290:GLN:HE22	1:N:276:PRO:HB2	1.60	0.66
1:X:239:VAL:HG13	1:X:268:MET:HE1	1.77	0.66
1:h:239:VAL:HG13	1:h:268:MET:HE1	1.77	0.66
1:j:83:ILE:HD11	1:j:273:LEU:HG	1.77	0.66
1:j:276:PRO:HB2	1:z:290:GLN:HE22	1.60	0.66
1:C:276:PRO:HB2	1:D:290:GLN:HE22	1.60	0.66
1:D:83:ILE:HD11	1:D:273:LEU:HG	1.77	0.66
1:E:243:ASN:HD22	1:E:246:MET:CG	2.08	0.66
1:Z:83:ILE:HD11	1:Z:273:LEU:HG	1.77	0.66
1:Z:276:PRO:HB2	1:8:290:GLN:HE22	1.61	0.66
1:5:303:LEU:HD22	1:h:112:MET:SD	2.36	0.66
1:3:239:VAL:HG13	1:3:268:MET:HE1	1.77	0.66
1:c:239:VAL:HG13	1:c:268:MET:HE1	1.77	0.66
1:f:83:ILE:HD11	1:f:273:LEU:HG	1.77	0.66
1:i:75:LEU:HD12	1:i:79:GLU:HG3	1.76	0.66
1:i:290:GLN:HE22	1:1:276:PRO:HB2	1.60	0.66
1:k:239:VAL:HG13	1:k:268:MET:HE1	1.77	0.66
1:z:83:ILE:HD11	1:z:273:LEU:HG	1.77	0.66
1:2:239:VAL:HG13	1:2:268:MET:HE1	1.77	0.66
1:A:276:PRO:HB2	1:B:290:GLN:HE22	1.60	0.66
1:A:290:GLN:HE22	1:E:276:PRO:HB2	1.59	0.66
1:F:290:GLN:HE22	1:G:276:PRO:HB2	1.60	0.66
1:G:239:VAL:HG13	1:G:268:MET:HE1	1.77	0.66
1:K:290:GLN:HE22	1:L:276:PRO:HB2	1.60	0.66
1:M:75:LEU:HD12	1:M:79:GLU:HG3	1.76	0.66
1:M:243:ASN:HD22	1:M:246:MET:CG	2.08	0.66
1:N:290:GLN:HE22	1:g:276:PRO:HB2	1.60	0.66
1:P:83:ILE:HD11	1:P:273:LEU:HG	1.77	0.66
1:8:112:MET:SD	1:w:303:LEU:HD22	2.36	0.66
1:6:276:PRO:HB2	1:m:290:GLN:HE22	1.60	0.66
1:5:83:ILE:HD11	1:5:273:LEU:HG	1.77	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:b:239:VAL:HG13	1:b:268:MET:HE1	1.77	0.66
1:c:83:ILE:HD11	1:c:273:LEU:HG	1.77	0.66
1:i:83:ILE:HD11	1:i:273:LEU:HG	1.77	0.66
1:i:243:ASN:HD22	1:i:246:MET:CG	2.08	0.66
1:p:75:LEU:HD12	1:p:79:GLU:HG3	1.76	0.66
1:F:75:LEU:HD12	1:F:79:GLU:HG3	1.76	0.66
1:Q:243:ASN:HD22	1:Q:246:MET:CG	2.08	0.66
1:Y:83:ILE:HD11	1:Y:273:LEU:HG	1.77	0.66
1:4:239:VAL:HG13	1:4:268:MET:HE1	1.77	0.66
1:d:303:LEU:HD22	1:q:112:MET:SD	2.36	0.66
1:m:239:VAL:HG13	1:m:268:MET:HE1	1.77	0.66
1:K:276:PRO:HB2	1:1:290:GLN:HE22	1.60	0.66
1:T:75:LEU:HD12	1:T:79:GLU:HG3	1.76	0.66
1:4:290:GLN:HE22	1:b:276:PRO:HB2	1.60	0.66
1:g:290:GLN:HE22	1:m:276:PRO:HB2	1.60	0.66
1:q:75:LEU:HD12	1:q:79:GLU:HG3	1.76	0.66
1:x:75:LEU:HD12	1:x:79:GLU:HG3	1.76	0.66
1:y:83:ILE:HD11	1:y:273:LEU:HG	1.77	0.66
1:G:112:MET:SD	1:H:303:LEU:HD22	2.36	0.66
1:M:83:ILE:HD11	1:M:273:LEU:HG	1.77	0.66
1:N:239:VAL:HG13	1:N:268:MET:HE1	1.77	0.66
1:Q:83:ILE:HD11	1:Q:273:LEU:HG	1.77	0.66
1:e:239:VAL:HG13	1:e:268:MET:HE1	1.77	0.66
1:o:290:GLN:HE22	1:v:276:PRO:HB2	1.60	0.66
1:v:243:ASN:HD22	1:v:246:MET:CG	2.08	0.66
1:G:75:LEU:HD12	1:G:79:GLU:HG3	1.76	0.66
1:L:239:VAL:HG13	1:L:268:MET:HE1	1.77	0.66
1:R:75:LEU:HD12	1:R:79:GLU:HG3	1.76	0.66
1:S:243:ASN:HD22	1:S:246:MET:CG	2.08	0.66
1:7:239:VAL:HG13	1:7:268:MET:HE1	1.77	0.66
1:6:243:ASN:HD22	1:6:246:MET:CG	2.08	0.66
1:n:239:VAL:HG13	1:n:268:MET:HE1	1.77	0.66
1:o:83:ILE:HD11	1:o:273:LEU:HG	1.77	0.66
1:q:239:VAL:HG13	1:q:268:MET:HE1	1.77	0.66
1:1:239:VAL:HG13	1:1:268:MET:HE1	1.77	0.66
1:A:83:ILE:HD11	1:A:273:LEU:HG	1.77	0.66
1:A:208:ASN:ND2	1:B:67:ARG:HH12	1.94	0.66
1:E:239:VAL:HG13	1:E:268:MET:HE1	1.77	0.66
1:P:75:LEU:HD12	1:P:79:GLU:HG3	1.76	0.66
1:T:83:ILE:HD11	1:T:273:LEU:HG	1.77	0.66
1:W:239:VAL:HG13	1:W:268:MET:HE1	1.77	0.66

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Z:239:VAL:HG13	1:Z:268:MET:HE1	1.77	0.66
1:u:75:LEU:HD12	1:u:79:GLU:HG3	1.76	0.66
1:x:83:ILE:HD11	1:x:273:LEU:HG	1.77	0.66
1:F:83:ILE:HD11	1:F:273:LEU:HG	1.77	0.65
1:F:276:PRO:HB2	1:R:290:GLN:HE22	1.60	0.65
1:H:276:PRO:HB2	1:Z:290:GLN:HE22	1.60	0.65
1:Q:290:GLN:HE22	1:S:276:PRO:HB2	1.60	0.65
1:5:243:ASN:HD22	1:5:246:MET:CG	2.08	0.65
1:4:83:ILE:HD11	1:4:273:LEU:HG	1.77	0.65
1:g:239:VAL:HG13	1:g:268:MET:HE1	1.77	0.65
1:h:83:ILE:HD11	1:h:273:LEU:HG	1.77	0.65
1:i:112:MET:SD	1:z:303:LEU:HD22	2.36	0.65
1:p:83:ILE:HD11	1:p:273:LEU:HG	1.77	0.65
1:s:83:ILE:HD11	1:s:273:LEU:HG	1.77	0.65
1:w:243:ASN:HD22	1:w:246:MET:CG	2.08	0.65
1:y:75:LEU:HD12	1:y:79:GLU:HG3	1.76	0.65
1:B:276:PRO:HB2	1:C:290:GLN:HE22	1.60	0.65
1:D:303:LEU:HD22	1:M:112:MET:SD	2.36	0.65
1:K:239:VAL:HG13	1:K:268:MET:HE1	1.77	0.65
1:S:303:LEU:HD22	1:T:112:MET:SD	2.37	0.65
1:V:276:PRO:HB2	1:W:290:GLN:HE22	1.60	0.65
1:Y:303:LEU:HD22	1:Z:112:MET:SD	2.37	0.65
1:7:243:ASN:HD22	1:7:246:MET:CG	2.08	0.65
1:3:83:ILE:HD11	1:3:273:LEU:HG	1.77	0.65
1:c:303:LEU:HD22	1:f:112:MET:SD	2.37	0.65
1:f:208:ASN:ND2	1:h:67:ARG:HH12	1.94	0.65
1:f:239:VAL:HG13	1:f:268:MET:HE1	1.77	0.65
1:j:290:GLN:HE22	1:k:276:PRO:HB2	1.60	0.65
1:l:75:LEU:HD12	1:l:79:GLU:HG3	1.76	0.65
1:p:112:MET:SD	1:s:303:LEU:HD22	2.37	0.65
1:v:303:LEU:HD22	1:x:112:MET:SD	2.37	0.65
1:A:303:LEU:HD22	1:F:112:MET:SD	2.37	0.65
1:I:83:ILE:HD11	1:I:273:LEU:HG	1.77	0.65
1:X:276:PRO:HB2	1:3:290:GLN:HE22	1.60	0.65
1:Z:208:ASN:ND2	1:8:67:ARG:HH12	1.95	0.65
1:8:83:ILE:HD11	1:8:273:LEU:HG	1.77	0.65
1:4:112:MET:SD	1:3:303:LEU:HD22	2.37	0.65
1:k:67:ARG:HH12	1:s:208:ASN:ND2	1.94	0.65
1:n:276:PRO:HB2	1:s:290:GLN:HE22	1.60	0.65
1:C:243:ASN:HD22	1:C:246:MET:CG	2.08	0.65
1:F:239:VAL:HG13	1:F:268:MET:HE1	1.77	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:67:ARG:HH12	1:8:208:ASN:ND2	1.95	0.65
1:J:75:LEU:HD12	1:J:79:GLU:HG3	1.76	0.65
1:O:276:PRO:HB2	1:5:290:GLN:HE22	1.61	0.65
1:6:239:VAL:HG13	1:6:268:MET:HE1	1.77	0.65
1:a:239:VAL:HG13	1:a:268:MET:HE1	1.77	0.65
1:d:276:PRO:HB2	1:f:290:GLN:HE22	1.60	0.65
1:j:243:ASN:HD22	1:j:246:MET:CG	2.08	0.65
1:m:83:ILE:HD11	1:m:273:LEU:HG	1.77	0.65
1:q:243:ASN:HD22	1:q:246:MET:CG	2.08	0.65
1:r:83:ILE:HD11	1:r:273:LEU:HG	1.77	0.65
1:E:83:ILE:HD11	1:E:273:LEU:HG	1.77	0.65
1:J:83:ILE:HD11	1:J:273:LEU:HG	1.77	0.65
1:U:83:ILE:HD11	1:U:273:LEU:HG	1.77	0.65
1:4:67:ARG:HH12	1:b:208:ASN:ND2	1.95	0.65
1:4:303:LEU:HD22	1:3:112:MET:SD	2.37	0.65
1:a:276:PRO:HB2	1:e:290:GLN:HE22	1.60	0.65
1:b:67:ARG:HH12	1:c:208:ASN:ND2	1.95	0.65
1:h:208:ASN:ND2	1:l:67:ARG:HH12	1.95	0.65
1:p:239:VAL:HG13	1:p:268:MET:HE1	1.77	0.65
1:w:290:GLN:HE22	1:2:276:PRO:HB2	1.61	0.65
1:B:324:SER:O	1:B:328:GLN:NE2	2.30	0.65
1:G:67:ARG:HH12	1:W:208:ASN:ND2	1.95	0.65
1:G:243:ASN:HD22	1:G:246:MET:CG	2.08	0.65
1:K:324:SER:O	1:K:328:GLN:NE2	2.30	0.65
1:V:239:VAL:HG13	1:V:268:MET:HE1	1.77	0.65
1:X:67:ARG:HH12	1:Y:208:ASN:ND2	1.95	0.65
1:8:324:SER:O	1:8:328:GLN:NE2	2.30	0.65
1:e:122:THR:CG2	1:e:123:LYS:N	2.48	0.65
1:e:208:ASN:ND2	1:q:67:ARG:HH12	1.95	0.65
1:g:324:SER:O	1:g:328:GLN:NE2	2.30	0.65
1:h:324:SER:O	1:h:328:GLN:NE2	2.30	0.65
1:k:324:SER:O	1:k:328:GLN:NE2	2.30	0.65
1:n:83:ILE:HD11	1:n:273:LEU:HG	1.77	0.65
1:n:324:SER:O	1:n:328:GLN:NE2	2.30	0.65
1:o:67:ARG:HH12	1:v:208:ASN:ND2	1.94	0.65
1:t:83:ILE:HD11	1:t:273:LEU:HG	1.77	0.65
1:u:239:VAL:HG13	1:u:268:MET:HE1	1.77	0.65
1:A:243:ASN:HD22	1:A:246:MET:CG	2.08	0.65
1:E:122:THR:CG2	1:E:123:LYS:H	1.93	0.65
1:E:324:SER:O	1:E:328:GLN:NE2	2.30	0.65
1:L:83:ILE:HD11	1:L:273:LEU:HG	1.77	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:324:SER:O	1:O:328:GLN:NE2	2.30	0.65
1:Q:67:ARG:HH12	1:S:208:ASN:ND2	1.94	0.65
1:S:324:SER:O	1:S:328:GLN:NE2	2.30	0.65
1:U:112:MET:SD	1:V:303:LEU:HD22	2.37	0.65
1:W:122:THR:CG2	1:W:123:LYS:N	2.48	0.65
1:Z:324:SER:O	1:Z:328:GLN:NE2	2.30	0.65
1:a:303:LEU:HD22	1:t:112:MET:SD	2.37	0.65
1:f:324:SER:O	1:f:328:GLN:NE2	2.30	0.65
1:v:324:SER:O	1:v:328:GLN:NE2	2.30	0.65
1:x:239:VAL:HG13	1:x:268:MET:HE1	1.77	0.65
1:y:239:VAL:HG13	1:y:268:MET:HE1	1.77	0.65
1:2:324:SER:O	1:2:328:GLN:NE2	2.30	0.65
1:B:208:ASN:ND2	1:C:67:ARG:HH12	1.95	0.65
1:L:67:ARG:HH12	1:7:208:ASN:ND2	1.93	0.65
1:L:324:SER:O	1:L:328:GLN:NE2	2.30	0.65
1:N:112:MET:SD	1:O:303:LEU:HD22	2.37	0.65
1:P:290:GLN:HE22	1:Q:276:PRO:HB2	1.60	0.65
1:Q:239:VAL:HG13	1:Q:268:MET:HE1	1.77	0.65
1:Q:324:SER:O	1:Q:328:GLN:NE2	2.30	0.65
1:R:239:VAL:HG13	1:R:268:MET:HE1	1.77	0.65
1:U:239:VAL:HG13	1:U:268:MET:HE1	1.77	0.65
1:V:324:SER:O	1:V:328:GLN:NE2	2.30	0.65
1:3:208:ASN:ND2	1:t:67:ARG:HH12	1.94	0.65
1:a:324:SER:O	1:a:328:GLN:NE2	2.30	0.65
1:e:324:SER:O	1:e:328:GLN:NE2	2.30	0.65
1:l:83:ILE:HD11	1:l:273:LEU:HG	1.77	0.65
1:o:239:VAL:HG13	1:o:268:MET:HE1	1.77	0.65
1:r:239:VAL:HG13	1:r:268:MET:HE1	1.77	0.65
1:s:243:ASN:HD22	1:s:246:MET:CG	2.08	0.65
1:v:83:ILE:HD11	1:v:273:LEU:HG	1.77	0.65
1:I:290:GLN:HE22	1:J:276:PRO:HB2	1.60	0.65
1:P:239:VAL:HG13	1:P:268:MET:HE1	1.77	0.65
1:T:67:ARG:HH12	1:U:208:ASN:ND2	1.95	0.65
1:T:290:GLN:HE22	1:U:276:PRO:HB2	1.60	0.65
1:W:324:SER:O	1:W:328:GLN:NE2	2.30	0.65
1:3:324:SER:O	1:3:328:GLN:NE2	2.30	0.65
1:b:112:MET:SD	1:e:303:LEU:HD22	2.36	0.65
1:j:324:SER:O	1:j:328:GLN:NE2	2.30	0.65
1:m:324:SER:O	1:m:328:GLN:NE2	2.30	0.65
1:o:276:PRO:HB2	1:y:290:GLN:HE22	1.60	0.65
1:o:324:SER:O	1:o:328:GLN:NE2	2.30	0.65

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:p:276:PRO:HB2	1:u:290:GLN:HE22	1.61	0.65
1:t:208:ASN:ND2	1:x:67:ARG:HH12	1.95	0.65
1:t:239:VAL:HG13	1:t:268:MET:HE1	1.77	0.65
1:1:112:MET:SD	1:2:303:LEU:HD22	2.37	0.65
1:B:303:LEU:HD22	1:I:112:MET:SD	2.37	0.65
1:C:112:MET:SD	1:L:303:LEU:HD22	2.37	0.65
1:C:324:SER:O	1:C:328:GLN:NE2	2.30	0.65
1:E:112:MET:SD	1:P:303:LEU:HD22	2.36	0.65
1:H:324:SER:O	1:H:328:GLN:NE2	2.30	0.65
1:I:239:VAL:HG13	1:I:268:MET:HE1	1.77	0.65
1:N:324:SER:O	1:N:328:GLN:NE2	2.30	0.65
1:S:83:ILE:HD11	1:S:273:LEU:HG	1.77	0.65
1:T:239:VAL:HG13	1:T:268:MET:HE1	1.77	0.65
1:U:303:LEU:HD22	1:V:112:MET:SD	2.37	0.65
1:W:112:MET:SD	1:X:303:LEU:HD22	2.37	0.65
1:X:83:ILE:HD11	1:X:273:LEU:HG	1.77	0.65
1:X:208:ASN:ND2	1:3:67:ARG:HH12	1.95	0.65
1:4:324:SER:O	1:4:328:GLN:NE2	2.30	0.65
1:d:290:GLN:HE22	1:r:276:PRO:HB2	1.60	0.65
1:j:67:ARG:HH12	1:k:208:ASN:ND2	1.95	0.65
1:j:112:MET:SD	1:m:303:LEU:HD22	2.36	0.65
1:k:303:LEU:HD22	1:r:112:MET:SD	2.37	0.65
1:n:112:MET:SD	1:y:303:LEU:HD22	2.36	0.65
1:t:276:PRO:HB2	1:x:290:GLN:HE22	1.60	0.65
1:G:324:SER:O	1:G:328:GLN:NE2	2.30	0.64
1:H:290:GLN:HE22	1:I:276:PRO:HB2	1.60	0.64
1:K:243:ASN:HD22	1:K:246:MET:CG	2.08	0.64
1:L:243:ASN:HD22	1:L:246:MET:CG	2.08	0.64
1:Q:303:LEU:HD22	1:R:112:MET:SD	2.37	0.64
1:T:208:ASN:ND2	1:c:67:ARG:HH12	1.95	0.64
1:U:67:ARG:HH12	1:4:208:ASN:ND2	1.95	0.64
1:W:303:LEU:HD22	1:X:112:MET:SD	2.37	0.64
1:X:324:SER:O	1:X:328:GLN:NE2	2.30	0.64
1:a:112:MET:SD	1:t:303:LEU:HD22	2.37	0.64
1:b:83:ILE:HD11	1:b:273:LEU:HG	1.77	0.64
1:b:290:GLN:HE22	1:c:276:PRO:HB2	1.60	0.64
1:d:324:SER:O	1:d:328:GLN:NE2	2.30	0.64
1:l:276:PRO:HB2	1:r:290:GLN:HE22	1.60	0.64
1:m:243:ASN:HD22	1:m:246:MET:CG	2.08	0.64
1:o:303:LEU:HD22	1:u:112:MET:SD	2.37	0.64
1:r:243:ASN:HD22	1:r:246:MET:CG	2.08	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:t:324:SER:O	1:t:328:GLN:NE2	2.30	0.64
1:1:324:SER:O	1:1:328:GLN:NE2	2.30	0.64
1:A:239:VAL:HG13	1:A:268:MET:HE1	1.77	0.64
1:C:303:LEU:HD22	1:L:112:MET:SD	2.37	0.64
1:D:112:MET:SD	1:M:303:LEU:HD22	2.37	0.64
1:N:303:LEU:HD22	1:O:112:MET:SD	2.37	0.64
1:R:208:ASN:ND2	1:V:67:ARG:HH12	1.95	0.64
1:T:324:SER:O	1:T:328:GLN:NE2	2.30	0.64
1:U:324:SER:O	1:U:328:GLN:NE2	2.30	0.64
1:Y:67:ARG:HH12	1:x:208:ASN:ND2	1.95	0.64
1:Y:122:THR:CG2	1:Y:123:LYS:H	1.93	0.64
1:5:324:SER:O	1:5:328:GLN:NE2	2.30	0.64
1:a:67:ARG:HH12	1:u:208:ASN:ND2	1.95	0.64
1:b:324:SER:O	1:b:328:GLN:NE2	2.30	0.64
1:c:324:SER:O	1:c:328:GLN:NE2	2.30	0.64
1:j:303:LEU:HD22	1:m:112:MET:SD	2.37	0.64
1:n:122:THR:CG2	1:n:123:LYS:H	1.93	0.64
1:p:67:ARG:HH12	1:q:208:ASN:ND2	1.94	0.64
1:q:324:SER:O	1:q:328:GLN:NE2	2.30	0.64
1:s:239:VAL:HG13	1:s:268:MET:HE1	1.77	0.64
1:z:324:SER:O	1:z:328:GLN:NE2	2.30	0.64
1:1:303:LEU:HD22	1:2:112:MET:SD	2.37	0.64
1:D:324:SER:O	1:D:328:GLN:NE2	2.30	0.64
1:G:303:LEU:HD22	1:H:112:MET:SD	2.37	0.64
1:Q:112:MET:SD	1:R:303:LEU:HD22	2.37	0.64
1:S:112:MET:SD	1:T:303:LEU:HD22	2.37	0.64
1:Y:324:SER:O	1:Y:328:GLN:NE2	2.30	0.64
1:8:303:LEU:HD22	1:w:112:MET:SD	2.36	0.64
1:b:303:LEU:HD22	1:e:112:MET:SD	2.37	0.64
1:d:112:MET:SD	1:q:303:LEU:HD22	2.37	0.64
1:i:303:LEU:HD22	1:z:112:MET:SD	2.37	0.64
1:k:112:MET:SD	1:r:303:LEU:HD22	2.37	0.64
1:l:324:SER:O	1:l:328:GLN:NE2	2.30	0.64
1:o:122:THR:CG2	1:o:123:LYS:N	2.48	0.64
1:w:324:SER:O	1:w:328:GLN:NE2	2.30	0.64
1:x:324:SER:O	1:x:328:GLN:NE2	2.30	0.64
1:B:112:MET:SD	1:I:303:LEU:HD22	2.36	0.64
1:I:243:ASN:HD22	1:I:246:MET:CG	2.08	0.64
1:J:324:SER:O	1:J:328:GLN:NE2	2.30	0.64
1:V:122:THR:CG2	1:V:123:LYS:H	1.93	0.64
1:5:112:MET:SD	1:h:303:LEU:HD22	2.36	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:u:324:SER:O	1:u:328:GLN:NE2	2.30	0.64
1:v:112:MET:SD	1:x:303:LEU:HD22	2.37	0.64
1:D:208:ASN:ND2	1:E:67:ARG:HH12	1.95	0.64
1:H:67:ARG:HH12	1:I:208:ASN:ND2	1.95	0.64
1:J:112:MET:SD	1:K:303:LEU:HD22	2.37	0.64
1:P:243:ASN:HD22	1:P:246:MET:CG	2.08	0.64
1:R:324:SER:O	1:R:328:GLN:NE2	2.30	0.64
1:X:290:GLN:HE22	1:Y:276:PRO:HB2	1.60	0.64
1:Y:112:MET:SD	1:Z:303:LEU:HD22	2.37	0.64
1:c:112:MET:SD	1:f:303:LEU:HD22	2.37	0.64
1:c:122:THR:CG2	1:c:123:LYS:H	1.93	0.64
1:g:243:ASN:HD22	1:g:246:MET:CG	2.08	0.64
1:i:239:VAL:HG13	1:i:268:MET:HE1	1.77	0.64
1:n:67:ARG:HH12	1:z:208:ASN:ND2	1.95	0.64
1:p:303:LEU:HD22	1:s:112:MET:SD	2.37	0.64
1:u:243:ASN:HD22	1:u:246:MET:CG	2.08	0.64
1:y:243:ASN:HD22	1:y:246:MET:CG	2.08	0.64
1:E:303:LEU:HD22	1:P:112:MET:SD	2.37	0.64
1:F:122:THR:CG2	1:F:123:LYS:H	1.93	0.64
1:R:243:ASN:HD22	1:R:246:MET:CG	2.08	0.64
1:a:122:THR:CG2	1:a:123:LYS:H	1.93	0.64
1:g:303:LEU:HD22	1:l:112:MET:SD	2.37	0.64
1:n:303:LEU:HD22	1:y:112:MET:SD	2.37	0.64
1:o:112:MET:SD	1:u:303:LEU:HD22	2.37	0.64
1:M:239:VAL:HG13	1:M:268:MET:HE1	1.77	0.64
1:Q:122:THR:CG2	1:Q:123:LYS:N	2.48	0.64
1:d:67:ARG:HH12	1:r:208:ASN:ND2	1.95	0.64
1:A:112:MET:SD	1:F:303:LEU:HD22	2.37	0.64
1:O:243:ASN:HD22	1:O:246:MET:CG	2.08	0.64
1:7:324:SER:O	1:7:328:GLN:NE2	2.30	0.64
1:g:112:MET:SD	1:l:303:LEU:HD22	2.37	0.64
1:y:122:THR:CG2	1:y:123:LYS:N	2.48	0.64
1:F:67:ARG:HH12	1:G:208:ASN:ND2	1.95	0.64
1:J:303:LEU:HD22	1:K:112:MET:SD	2.37	0.64
1:O:67:ARG:HH12	1:P:208:ASN:ND2	1.95	0.64
1:P:324:SER:O	1:P:328:GLN:NE2	2.30	0.64
1:6:208:ASN:ND2	1:m:67:ARG:HH12	1.94	0.64
1:6:324:SER:O	1:6:328:GLN:NE2	2.30	0.64
1:r:324:SER:O	1:r:328:GLN:NE2	2.30	0.64
1:y:208:ASN:ND2	1:2:67:ARG:HH12	1.95	0.64
1:y:324:SER:O	1:y:328:GLN:NE2	2.30	0.64

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:324:SER:O	1:I:328:GLN:NE2	2.30	0.64
1:M:324:SER:O	1:M:328:GLN:NE2	2.30	0.64
1:N:67:ARG:HH12	1:g:208:ASN:ND2	1.95	0.64
1:W:122:THR:CG2	1:W:123:LYS:H	1.93	0.64
1:8:243:ASN:HD22	1:8:246:MET:CG	2.08	0.64
1:7:112:MET:SD	1:6:303:LEU:HD22	2.38	0.64
1:a:208:ASN:ND2	1:e:67:ARG:HH12	1.95	0.64
1:H:239:VAL:HG13	1:H:268:MET:HE1	1.77	0.63
1:P:122:THR:CG2	1:P:123:LYS:N	2.48	0.63
1:S:67:ARG:HH12	1:5:208:ASN:ND2	1.95	0.63
1:V:208:ASN:ND2	1:W:67:ARG:HH12	1.95	0.63
1:v:67:ARG:HH12	1:w:208:ASN:ND2	1.95	0.63
1:2:243:ASN:HD22	1:2:246:MET:CG	2.08	0.63
1:F:324:SER:O	1:F:328:GLN:NE2	2.30	0.63
1:K:208:ASN:ND2	1:1:67:ARG:HH12	1.95	0.63
1:l:243:ASN:HD22	1:l:246:MET:CG	2.08	0.63
1:p:122:THR:CG2	1:p:123:LYS:H	1.93	0.63
1:A:324:SER:O	1:A:328:GLN:NE2	2.30	0.63
1:M:122:THR:CG2	1:M:123:LYS:H	1.93	0.63
1:d:239:VAL:HG13	1:d:268:MET:HE1	1.77	0.63
1:h:243:ASN:HD22	1:h:246:MET:CG	2.08	0.63
1:i:324:SER:O	1:i:328:GLN:NE2	2.30	0.63
1:p:324:SER:O	1:p:328:GLN:NE2	2.30	0.63
1:s:324:SER:O	1:s:328:GLN:NE2	2.30	0.63
1:J:243:ASN:HD22	1:J:246:MET:CG	2.08	0.63
1:h:122:THR:CG2	1:h:123:LYS:H	1.93	0.63
1:I:67:ARG:HH12	1:J:208:ASN:ND2	1.94	0.63
1:K:67:ARG:HH12	1:L:208:ASN:ND2	1.95	0.63
1:3:243:ASN:HD22	1:3:246:MET:CG	2.08	0.63
1:W:88:MET:HE2	1:W:239:VAL:HA	1.81	0.63
1:e:122:THR:CG2	1:e:123:LYS:H	1.93	0.63
1:R:88:MET:HE2	1:R:239:VAL:HA	1.81	0.63
1:Z:88:MET:HE2	1:Z:239:VAL:HA	1.81	0.63
1:u:88:MET:HE2	1:u:239:VAL:HA	1.81	0.63
1:V:241:GLN:NE2	1:V:268:MET:HB2	2.14	0.63
1:8:88:MET:HE2	1:8:239:VAL:HA	1.81	0.63
1:a:241:GLN:NE2	1:a:268:MET:HB2	2.14	0.63
1:e:88:MET:HE2	1:e:239:VAL:HA	1.81	0.63
1:f:88:MET:HE2	1:f:239:VAL:HA	1.81	0.63
1:g:67:ARG:HH12	1:m:208:ASN:ND2	1.95	0.63
1:i:122:THR:CG2	1:i:123:LYS:H	1.93	0.63

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:l:208:ASN:ND2	1:r:67:ARG:HH12	1.94	0.63
1:p:241:GLN:NE2	1:p:268:MET:HB2	2.14	0.63
1:w:88:MET:HE2	1:w:239:VAL:HA	1.81	0.63
1:z:88:MET:HE2	1:z:239:VAL:HA	1.81	0.63
1:D:88:MET:HE2	1:D:239:VAL:HA	1.81	0.62
1:F:241:GLN:NE2	1:F:268:MET:HB2	2.14	0.62
1:O:88:MET:HE2	1:O:239:VAL:HA	1.81	0.62
1:8:122:THR:CG2	1:8:123:LYS:H	1.93	0.62
1:4:243:ASN:HD22	1:4:246:MET:CG	2.08	0.62
1:h:88:MET:HE2	1:h:239:VAL:HA	1.81	0.62
1:2:88:MET:HE2	1:2:239:VAL:HA	1.81	0.62
1:B:241:GLN:NE2	1:B:268:MET:HB2	2.14	0.62
1:E:241:GLN:NE2	1:E:268:MET:HB2	2.14	0.62
1:5:88:MET:HE2	1:5:239:VAL:HA	1.81	0.62
1:4:241:GLN:NE2	1:4:268:MET:HB2	2.14	0.62
1:3:241:GLN:NE2	1:3:268:MET:HB2	2.14	0.62
1:c:243:ASN:HD22	1:c:246:MET:CG	2.08	0.62
1:k:88:MET:HE2	1:k:239:VAL:HA	1.81	0.62
1:n:241:GLN:NE2	1:n:268:MET:HB2	2.14	0.62
1:x:88:MET:HE2	1:x:239:VAL:HA	1.81	0.62
1:B:88:MET:HE2	1:B:239:VAL:HA	1.81	0.62
1:C:120:ARG:HG3	1:C:226:LEU:HD12	1.82	0.62
1:D:241:GLN:NE2	1:D:268:MET:HB2	2.15	0.62
1:J:88:MET:HE2	1:J:239:VAL:HA	1.81	0.62
1:P:88:MET:HE2	1:P:239:VAL:HA	1.81	0.62
1:R:241:GLN:NE2	1:R:268:MET:HB2	2.14	0.62
1:T:88:MET:HE2	1:T:239:VAL:HA	1.81	0.62
1:4:88:MET:HE2	1:4:239:VAL:HA	1.81	0.62
1:3:88:MET:HE2	1:3:239:VAL:HA	1.81	0.62
1:b:88:MET:HE2	1:b:239:VAL:HA	1.81	0.62
1:j:241:GLN:NE2	1:j:268:MET:HB2	2.14	0.62
1:k:241:GLN:NE2	1:k:268:MET:HB2	2.14	0.62
1:l:88:MET:HE2	1:l:239:VAL:HA	1.81	0.62
1:p:120:ARG:HG3	1:p:226:LEU:HD12	1.82	0.62
1:r:241:GLN:NE2	1:r:268:MET:HB2	2.14	0.62
1:y:88:MET:HE2	1:y:239:VAL:HA	1.81	0.62
1:z:241:GLN:NE2	1:z:268:MET:HB2	2.14	0.62
1:A:241:GLN:NE2	1:A:268:MET:HB2	2.14	0.62
1:B:120:ARG:HG3	1:B:226:LEU:HD12	1.82	0.62
1:I:241:GLN:NE2	1:I:268:MET:HB2	2.14	0.62
1:X:88:MET:HE2	1:X:239:VAL:HA	1.81	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:j:120:ARG:HG3	1:j:226:LEU:HD12	1.82	0.62
1:A:67:ARG:HH12	1:E:208:ASN:ND2	1.94	0.62
1:C:241:GLN:NE2	1:C:268:MET:HB2	2.14	0.62
1:F:120:ARG:HG3	1:F:226:LEU:HD12	1.82	0.62
1:5:241:GLN:NE2	1:5:268:MET:HB2	2.14	0.62
1:3:120:ARG:HG3	1:3:226:LEU:HD12	1.82	0.62
1:g:88:MET:HE2	1:g:239:VAL:HA	1.81	0.62
1:k:120:ARG:HG3	1:k:226:LEU:HD12	1.82	0.62
1:s:241:GLN:NE2	1:s:268:MET:HB2	2.15	0.62
1:u:241:GLN:NE2	1:u:268:MET:HB2	2.15	0.62
1:C:88:MET:HE2	1:C:239:VAL:HA	1.81	0.62
1:C:208:ASN:ND2	1:D:67:ARG:HH12	1.95	0.62
1:D:120:ARG:HG3	1:D:226:LEU:HD12	1.82	0.62
1:J:120:ARG:HG3	1:J:226:LEU:HD12	1.82	0.62
1:K:88:MET:HE2	1:K:239:VAL:HA	1.81	0.62
1:R:120:ARG:HG3	1:R:226:LEU:HD12	1.82	0.62
1:Y:241:GLN:NE2	1:Y:268:MET:HB2	2.14	0.62
1:Y:243:ASN:HD22	1:Y:246:MET:CG	2.08	0.62
1:7:88:MET:HE2	1:7:239:VAL:HA	1.81	0.62
1:4:120:ARG:HG3	1:4:226:LEU:HD12	1.82	0.62
1:c:241:GLN:NE2	1:c:268:MET:HB2	2.14	0.62
1:j:208:ASN:ND2	1:z:67:ARG:HH12	1.95	0.62
1:v:88:MET:HE2	1:v:239:VAL:HA	1.81	0.62
1:w:241:GLN:NE2	1:w:268:MET:HB2	2.14	0.62
1:G:241:GLN:NE2	1:G:268:MET:HB2	2.14	0.62
1:J:241:GLN:NE2	1:J:268:MET:HB2	2.14	0.62
1:M:88:MET:HE2	1:M:239:VAL:HA	1.81	0.62
1:6:88:MET:HE2	1:6:239:VAL:HA	1.81	0.62
1:d:88:MET:HE2	1:d:239:VAL:HA	1.81	0.62
1:i:88:MET:HE2	1:i:239:VAL:HA	1.81	0.62
1:l:120:ARG:HG3	1:l:226:LEU:HD12	1.82	0.62
1:l:241:GLN:NE2	1:l:268:MET:HB2	2.14	0.62
1:u:120:ARG:HG3	1:u:226:LEU:HD12	1.82	0.62
1:z:120:ARG:HG3	1:z:226:LEU:HD12	1.82	0.62
1:A:120:ARG:HG3	1:A:226:LEU:HD12	1.82	0.62
1:F:243:ASN:HD22	1:F:246:MET:CG	2.08	0.62
1:H:88:MET:HE2	1:H:239:VAL:HA	1.81	0.62
1:K:120:ARG:HG3	1:K:226:LEU:HD12	1.82	0.62
1:S:88:MET:HE2	1:S:239:VAL:HA	1.81	0.62
1:U:241:GLN:NE2	1:U:268:MET:HB2	2.14	0.62
1:Z:241:GLN:NE2	1:Z:268:MET:HB2	2.14	0.62

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7:241:GLN:NE2	1:7:268:MET:HB2	2.14	0.62
1:f:241:GLN:NE2	1:f:268:MET:HB2	2.15	0.62
1:g:241:GLN:NE2	1:g:268:MET:HB2	2.14	0.62
1:j:88:MET:HE2	1:j:239:VAL:HA	1.81	0.62
1:p:243:ASN:HD22	1:p:246:MET:CG	2.08	0.62
1:s:120:ARG:HG3	1:s:226:LEU:HD12	1.82	0.62
1:K:241:GLN:NE2	1:K:268:MET:HB2	2.14	0.62
1:6:241:GLN:NE2	1:6:268:MET:HB2	2.14	0.62
1:g:120:ARG:HG3	1:g:226:LEU:HD12	1.82	0.62
1:q:120:ARG:HG3	1:q:226:LEU:HD12	1.82	0.62
1:q:241:GLN:NE2	1:q:268:MET:HB2	2.14	0.62
1:E:120:ARG:HG3	1:E:226:LEU:HD12	1.82	0.62
1:G:120:ARG:HG3	1:G:226:LEU:HD12	1.82	0.62
1:O:241:GLN:NE2	1:O:268:MET:HB2	2.14	0.62
1:8:120:ARG:HG3	1:8:226:LEU:HD12	1.82	0.62
1:d:120:ARG:HG3	1:d:226:LEU:HD12	1.82	0.62
1:d:208:ASN:ND2	1:f:67:ARG:HH12	1.95	0.62
1:t:241:GLN:NE2	1:t:268:MET:HB2	2.14	0.62
1:y:120:ARG:HG3	1:y:226:LEU:HD12	1.82	0.62
1:H:120:ARG:HG3	1:H:226:LEU:HD12	1.82	0.61
1:H:208:ASN:ND2	1:Z:67:ARG:HH12	1.95	0.61
1:H:241:GLN:NE2	1:H:268:MET:HB2	2.14	0.61
1:L:241:GLN:NE2	1:L:268:MET:HB2	2.14	0.61
1:M:67:ARG:HH12	1:N:208:ASN:ND2	1.95	0.61
1:P:67:ARG:HH12	1:Q:208:ASN:ND2	1.95	0.61
1:T:120:ARG:HG3	1:T:226:LEU:HD12	1.82	0.61
1:V:88:MET:HE2	1:V:239:VAL:HA	1.81	0.61
1:d:241:GLN:NE2	1:d:268:MET:HB2	2.14	0.61
1:e:241:GLN:NE2	1:e:268:MET:HB2	2.14	0.61
1:h:120:ARG:HG3	1:h:226:LEU:HD12	1.82	0.61
1:n:120:ARG:HG3	1:n:226:LEU:HD12	1.82	0.61
1:y:241:GLN:NE2	1:y:268:MET:HB2	2.14	0.61
1:A:40:SER:O	1:G:212:LYS:NZ	2.33	0.61
1:A:88:MET:HE2	1:A:239:VAL:HA	1.81	0.61
1:P:120:ARG:HG3	1:P:226:LEU:HD12	1.82	0.61
1:P:241:GLN:NE2	1:P:268:MET:HB2	2.14	0.61
1:Q:120:ARG:HG3	1:Q:226:LEU:HD12	1.82	0.61
1:W:241:GLN:NE2	1:W:268:MET:HB2	2.14	0.61
1:8:241:GLN:NE2	1:8:268:MET:HB2	2.14	0.61
1:a:88:MET:HE2	1:a:239:VAL:HA	1.81	0.61
1:h:241:GLN:NE2	1:h:268:MET:HB2	2.14	0.61

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:m:241:GLN:NE2	1:m:268:MET:HB2	2.14	0.61
1:n:208:ASN:ND2	1:s:67:ARG:HH12	1.95	0.61
1:v:241:GLN:NE2	1:v:268:MET:HB2	2.14	0.61
1:2:241:GLN:NE2	1:2:268:MET:HB2	2.14	0.61
1:S:241:GLN:NE2	1:S:268:MET:HB2	2.14	0.61
1:T:241:GLN:NE2	1:T:268:MET:HB2	2.14	0.61
1:W:120:ARG:HG3	1:W:226:LEU:HD12	1.82	0.61
1:X:241:GLN:NE2	1:X:268:MET:HB2	2.14	0.61
1:b:243:ASN:HD22	1:b:246:MET:CG	2.08	0.61
1:o:120:ARG:HG3	1:o:226:LEU:HD12	1.82	0.61
1:o:208:ASN:ND2	1:y:67:ARG:HH12	1.95	0.61
1:x:120:ARG:HG3	1:x:226:LEU:HD12	1.82	0.61
1:x:241:GLN:NE2	1:x:268:MET:HB2	2.14	0.61
1:1:241:GLN:NE2	1:1:268:MET:HB2	2.14	0.61
1:A:122:THR:CG2	1:A:123:LYS:H	1.93	0.61
1:C:40:SER:O	1:7:212:LYS:NZ	2.30	0.61
1:F:88:MET:HE2	1:F:239:VAL:HA	1.81	0.61
1:I:120:ARG:HG3	1:I:226:LEU:HD12	1.82	0.61
1:O:120:ARG:HG3	1:O:226:LEU:HD12	1.82	0.61
1:Y:88:MET:HE2	1:Y:239:VAL:HA	1.81	0.61
1:b:241:GLN:NE2	1:b:268:MET:HB2	2.14	0.61
1:e:120:ARG:HG3	1:e:226:LEU:HD12	1.82	0.61
1:i:67:ARG:HH12	1:1:208:ASN:ND2	1.95	0.61
1:B:243:ASN:HD22	1:B:246:MET:CG	2.08	0.61
1:E:88:MET:HE2	1:E:239:VAL:HA	1.81	0.61
1:N:241:GLN:NE2	1:N:268:MET:HB2	2.14	0.61
1:q:212:LYS:NZ	1:s:40:SER:O	2.33	0.61
1:s:88:MET:HE2	1:s:239:VAL:HA	1.81	0.61
1:t:243:ASN:HD22	1:t:246:MET:CG	2.08	0.61
1:w:120:ARG:HG3	1:w:226:LEU:HD12	1.82	0.61
1:S:120:ARG:HG3	1:S:226:LEU:HD12	1.82	0.61
1:5:120:ARG:HG3	1:5:226:LEU:HD12	1.82	0.61
1:b:120:ARG:HG3	1:b:226:LEU:HD12	1.82	0.61
1:c:88:MET:HE2	1:c:239:VAL:HA	1.81	0.61
1:r:120:ARG:HG3	1:r:226:LEU:HD12	1.82	0.61
1:w:67:ARG:HH12	1:2:208:ASN:ND2	1.95	0.61
1:2:120:ARG:HG3	1:2:226:LEU:HD12	1.82	0.61
1:I:88:MET:HE2	1:I:239:VAL:HA	1.81	0.61
1:Q:88:MET:HE2	1:Q:239:VAL:HA	1.81	0.61
1:S:122:THR:CG2	1:S:123:LYS:H	1.93	0.61
1:U:88:MET:HE2	1:U:239:VAL:HA	1.81	0.61

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:X:120:ARG:HG3	1:X:226:LEU:HD12	1.82	0.61
1:X:243:ASN:HD22	1:X:246:MET:CG	2.08	0.61
1:6:120:ARG:HG3	1:6:226:LEU:HD12	1.82	0.61
1:a:120:ARG:HG3	1:a:226:LEU:HD12	1.82	0.61
1:o:88:MET:HE2	1:o:239:VAL:HA	1.81	0.61
1:r:88:MET:HE2	1:r:239:VAL:HA	1.81	0.61
1:u:122:THR:CG2	1:u:123:LYS:N	2.48	0.61
1:v:122:THR:CG2	1:v:123:LYS:H	1.93	0.61
1:M:241:GLN:NE2	1:M:268:MET:HB2	2.15	0.61
1:U:243:ASN:HD22	1:U:246:MET:CG	2.08	0.61
1:7:120:ARG:HG3	1:7:226:LEU:HD12	1.82	0.61
1:n:88:MET:HE2	1:n:239:VAL:HA	1.81	0.61
1:p:88:MET:HE2	1:p:239:VAL:HA	1.81	0.61
1:D:243:ASN:HD22	1:D:246:MET:CG	2.08	0.61
1:G:88:MET:HE2	1:G:239:VAL:HA	1.81	0.61
1:N:122:THR:CG2	1:N:123:LYS:H	1.93	0.61
1:O:208:ASN:ND2	1:5:67:ARG:HH12	1.95	0.61
1:V:120:ARG:HG3	1:V:226:LEU:HD12	1.82	0.61
1:Y:120:ARG:HG3	1:Y:226:LEU:HD12	1.82	0.61
1:i:241:GLN:NE2	1:i:268:MET:HB2	2.14	0.61
1:k:243:ASN:HD22	1:k:246:MET:CG	2.08	0.61
1:o:241:GLN:NE2	1:o:268:MET:HB2	2.14	0.61
1:q:88:MET:HE2	1:q:239:VAL:HA	1.81	0.61
1:v:120:ARG:HG3	1:v:226:LEU:HD12	1.82	0.61
1:z:243:ASN:HD22	1:z:246:MET:CG	2.08	0.61
1:Q:241:GLN:NE2	1:Q:268:MET:HB2	2.14	0.61
1:m:88:MET:HE2	1:m:239:VAL:HA	1.81	0.61
1:t:88:MET:HE2	1:t:239:VAL:HA	1.81	0.61
1:L:88:MET:HE2	1:L:239:VAL:HA	1.81	0.60
1:N:88:MET:HE2	1:N:239:VAL:HA	1.81	0.60
1:R:122:THR:CG2	1:R:123:LYS:N	2.48	0.60
1:T:243:ASN:HD22	1:T:246:MET:CG	2.08	0.60
1:c:120:ARG:HG3	1:c:226:LEU:HD12	1.82	0.60
1:s:122:THR:CG2	1:s:123:LYS:H	1.93	0.60
1:A:285:PHE:HE1	1:B:148:THR:HA	1.66	0.60
1:N:40:SER:O	1:P:212:LYS:NZ	2.33	0.60
1:Z:243:ASN:HD22	1:Z:246:MET:CG	2.08	0.60
1:t:120:ARG:HG3	1:t:226:LEU:HD12	1.82	0.60
1:M:208:ASN:ND2	1:6:67:ARG:HH12	1.95	0.60
1:Z:120:ARG:HG3	1:Z:226:LEU:HD12	1.82	0.60
1:f:120:ARG:HG3	1:f:226:LEU:HD12	1.82	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:p:122:THR:CG2	1:p:123:LYS:N	2.48	0.60
1:y:212:LYS:NZ	1:1:40:SER:O	2.33	0.60
1:1:88:MET:HE2	1:1:239:VAL:HA	1.81	0.60
1:1:122:THR:CG2	1:1:123:LYS:H	1.93	0.60
1:F:208:ASN:ND2	1:R:67:ARG:HH12	1.94	0.60
1:K:193:VAL:HG12	1:K:194:SER:O	2.02	0.60
1:K:212:LYS:NZ	1:2:40:SER:O	2.33	0.60
1:L:120:ARG:HG3	1:L:226:LEU:HD12	1.82	0.60
1:M:212:LYS:NZ	1:7:40:SER:O	2.28	0.60
1:m:120:ARG:HG3	1:m:226:LEU:HD12	1.82	0.60
1:G:81:ILE:HB	1:G:273:LEU:HB2	1.84	0.60
1:I:193:VAL:HG12	1:I:194:SER:O	2.02	0.60
1:O:40:SER:O	1:g:212:LYS:NZ	2.33	0.60
1:U:120:ARG:HG3	1:U:226:LEU:HD12	1.82	0.60
1:X:193:VAL:HG12	1:X:194:SER:O	2.02	0.60
1:7:67:ARG:HH12	1:i:208:ASN:ND2	1.95	0.60
1:b:193:VAL:HG12	1:b:194:SER:O	2.02	0.60
1:g:193:VAL:HG12	1:g:194:SER:O	2.02	0.60
1:q:81:ILE:HB	1:q:273:LEU:HB2	1.84	0.60
1:1:193:VAL:HG12	1:1:194:SER:O	2.02	0.60
1:D:81:ILE:HB	1:D:273:LEU:HB2	1.84	0.60
1:J:40:SER:O	1:L:212:LYS:NZ	2.33	0.60
1:K:122:THR:CG2	1:K:123:LYS:H	1.93	0.60
1:L:193:VAL:HG12	1:L:194:SER:O	2.02	0.60
1:N:193:VAL:HG12	1:N:194:SER:O	2.02	0.60
1:U:193:VAL:HG12	1:U:194:SER:O	2.02	0.60
1:f:243:ASN:HD22	1:f:246:MET:CG	2.08	0.60
1:r:193:VAL:HG12	1:r:194:SER:O	2.02	0.60
1:t:193:VAL:HG12	1:t:194:SER:O	2.02	0.60
1:x:243:ASN:HD22	1:x:246:MET:CG	2.08	0.60
1:z:81:ILE:HB	1:z:273:LEU:HB2	1.84	0.60
1:F:193:VAL:HG12	1:F:194:SER:O	2.02	0.60
1:J:81:ILE:HB	1:J:273:LEU:HB2	1.84	0.60
1:S:81:ILE:HB	1:S:273:LEU:HB2	1.84	0.60
1:V:193:VAL:HG12	1:V:194:SER:O	2.02	0.60
1:W:243:ASN:HD22	1:W:246:MET:CG	2.08	0.60
1:m:193:VAL:HG12	1:m:194:SER:O	2.02	0.60
1:p:193:VAL:HG12	1:p:194:SER:O	2.02	0.60
1:v:81:ILE:HB	1:v:273:LEU:HB2	1.84	0.60
1:F:122:THR:CG2	1:F:123:LYS:N	2.48	0.60
1:P:230:PHE:CE1	1:P:329:SER:O	2.55	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:S:193:VAL:HG12	1:S:194:SER:O	2.02	0.60
1:W:40:SER:O	1:Y:212:LYS:NZ	2.33	0.60
1:X:230:PHE:CE1	1:X:329:SER:O	2.55	0.60
1:5:81:ILE:HB	1:5:273:LEU:HB2	1.84	0.60
1:5:230:PHE:CE1	1:5:329:SER:O	2.55	0.60
1:a:193:VAL:HG12	1:a:194:SER:O	2.02	0.60
1:b:230:PHE:CE1	1:b:329:SER:O	2.55	0.60
1:c:230:PHE:CE1	1:c:329:SER:O	2.55	0.60
1:d:40:SER:O	1:e:212:LYS:NZ	2.34	0.60
1:l:40:SER:O	1:m:212:LYS:NZ	2.33	0.60
1:l:81:ILE:HB	1:l:273:LEU:HB2	1.84	0.60
1:v:122:THR:CG2	1:v:123:LYS:N	2.48	0.60
1:v:193:VAL:HG12	1:v:194:SER:O	2.02	0.60
1:w:230:PHE:CE1	1:w:329:SER:O	2.55	0.60
1:y:230:PHE:CE1	1:y:329:SER:O	2.55	0.60
1:2:193:VAL:HG12	1:2:194:SER:O	2.02	0.60
1:M:120:ARG:HG3	1:M:226:LEU:HD12	1.82	0.60
1:Q:230:PHE:CE1	1:Q:329:SER:O	2.55	0.60
1:R:230:PHE:CE1	1:R:329:SER:O	2.55	0.60
1:U:177:VAL:HG21	1:U:340:LYS:HD3	1.84	0.60
1:W:193:VAL:HG12	1:W:194:SER:O	2.02	0.60
1:Y:177:VAL:HG21	1:Y:340:LYS:HD3	1.84	0.60
1:Y:230:PHE:CE1	1:Y:329:SER:O	2.55	0.60
1:7:230:PHE:CE1	1:7:329:SER:O	2.55	0.60
1:4:230:PHE:CE1	1:4:329:SER:O	2.55	0.60
1:3:230:PHE:CE1	1:3:329:SER:O	2.55	0.60
1:c:177:VAL:HG21	1:c:340:LYS:HD3	1.84	0.60
1:e:81:ILE:HB	1:e:273:LEU:HB2	1.84	0.60
1:e:193:VAL:HG12	1:e:194:SER:O	2.02	0.60
1:e:243:ASN:HD22	1:e:246:MET:CG	2.08	0.60
1:g:122:THR:CG2	1:g:123:LYS:H	1.93	0.60
1:g:230:PHE:CE1	1:g:329:SER:O	2.55	0.60
1:k:148:THR:HA	1:s:285:PHE:HE1	1.67	0.60
1:t:177:VAL:HG21	1:t:340:LYS:HD3	1.84	0.60
1:u:230:PHE:CE1	1:u:329:SER:O	2.55	0.60
1:w:81:ILE:HB	1:w:273:LEU:HB2	1.84	0.60
1:z:230:PHE:CE1	1:z:329:SER:O	2.55	0.60
1:C:230:PHE:CE1	1:C:329:SER:O	2.55	0.60
1:D:230:PHE:CE1	1:D:329:SER:O	2.55	0.60
1:G:230:PHE:CE1	1:G:329:SER:O	2.55	0.60
1:G:312:ASN:ND2	1:H:106:HIS:O	2.35	0.60

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:193:VAL:HG12	1:O:194:SER:O	2.02	0.60
1:P:193:VAL:HG12	1:P:194:SER:O	2.02	0.60
1:Q:193:VAL:HG12	1:Q:194:SER:O	2.02	0.60
1:6:230:PHE:CE1	1:6:329:SER:O	2.55	0.60
1:c:212:LYS:NZ	1:e:40:SER:O	2.33	0.60
1:d:106:HIS:O	1:q:312:ASN:ND2	2.35	0.60
1:i:120:ARG:HG3	1:i:226:LEU:HD12	1.82	0.60
1:o:230:PHE:CE1	1:o:329:SER:O	2.55	0.60
1:p:208:ASN:ND2	1:u:67:ARG:HH12	1.95	0.60
1:q:230:PHE:CE1	1:q:329:SER:O	2.55	0.60
1:1:120:ARG:HG3	1:1:226:LEU:HD12	1.82	0.60
1:F:212:LYS:NZ	1:Q:40:SER:O	2.33	0.59
1:H:193:VAL:HG12	1:H:194:SER:O	2.02	0.59
1:I:230:PHE:CE1	1:I:329:SER:O	2.55	0.59
1:K:81:ILE:HB	1:K:273:LEU:HB2	1.84	0.59
1:K:230:PHE:CE1	1:K:329:SER:O	2.55	0.59
1:M:230:PHE:CE1	1:M:329:SER:O	2.55	0.59
1:N:120:ARG:HG3	1:N:226:LEU:HD12	1.82	0.59
1:S:122:THR:CG2	1:S:123:LYS:N	2.48	0.59
1:W:81:ILE:HB	1:W:273:LEU:HB2	1.84	0.59
1:7:177:VAL:HG21	1:7:340:LYS:HD3	1.84	0.59
1:4:81:ILE:HB	1:4:273:LEU:HB2	1.84	0.59
1:g:81:ILE:HB	1:g:273:LEU:HB2	1.84	0.59
1:i:230:PHE:CE1	1:i:329:SER:O	2.55	0.59
1:j:230:PHE:CE1	1:j:329:SER:O	2.55	0.59
1:o:193:VAL:HG12	1:o:194:SER:O	2.02	0.59
1:s:230:PHE:CE1	1:s:329:SER:O	2.55	0.59
1:y:193:VAL:HG12	1:y:194:SER:O	2.02	0.59
1:A:230:PHE:CE1	1:A:329:SER:O	2.55	0.59
1:F:230:PHE:CE1	1:F:329:SER:O	2.55	0.59
1:V:177:VAL:HG21	1:V:340:LYS:HD3	1.84	0.59
1:X:177:VAL:HG21	1:X:340:LYS:HD3	1.84	0.59
1:Z:81:ILE:HB	1:Z:273:LEU:HB2	1.84	0.59
1:8:40:SER:O	1:2:212:LYS:NZ	2.34	0.59
1:6:177:VAL:HG21	1:6:340:LYS:HD3	1.84	0.59
1:3:81:ILE:HB	1:3:273:LEU:HB2	1.84	0.59
1:3:177:VAL:HG21	1:3:340:LYS:HD3	1.84	0.59
1:b:148:THR:HA	1:c:285:PHE:HE1	1.67	0.59
1:b:177:VAL:HG21	1:b:340:LYS:HD3	1.84	0.59
1:d:193:VAL:HG12	1:d:194:SER:O	2.02	0.59
1:j:81:ILE:HB	1:j:273:LEU:HB2	1.84	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:p:285:PHE:HE1	1:u:148:THR:HA	1.67	0.59
1:v:230:PHE:CE1	1:v:329:SER:O	2.55	0.59
1:B:230:PHE:CE1	1:B:329:SER:O	2.55	0.59
1:C:177:VAL:HG21	1:C:340:LYS:HD3	1.84	0.59
1:H:177:VAL:HG21	1:H:340:LYS:HD3	1.84	0.59
1:J:230:PHE:CE1	1:J:329:SER:O	2.55	0.59
1:N:81:ILE:HB	1:N:273:LEU:HB2	1.84	0.59
1:R:193:VAL:HG12	1:R:194:SER:O	2.02	0.59
1:S:230:PHE:CE1	1:S:329:SER:O	2.55	0.59
1:T:193:VAL:HG12	1:T:194:SER:O	2.02	0.59
1:T:285:PHE:HE1	1:c:148:THR:HA	1.68	0.59
1:X:148:THR:HA	1:Y:285:PHE:HE1	1.67	0.59
1:Y:148:THR:HA	1:x:285:PHE:HE1	1.68	0.59
1:4:177:VAL:HG21	1:4:340:LYS:HD3	1.84	0.59
1:a:177:VAL:HG21	1:a:340:LYS:HD3	1.84	0.59
1:b:81:ILE:HB	1:b:273:LEU:HB2	1.84	0.59
1:d:177:VAL:HG21	1:d:340:LYS:HD3	1.84	0.59
1:j:177:VAL:HG21	1:j:340:LYS:HD3	1.84	0.59
1:k:40:SER:O	1:l:212:LYS:NZ	2.33	0.59
1:k:81:ILE:HB	1:k:273:LEU:HB2	1.84	0.59
1:k:230:PHE:CE1	1:k:329:SER:O	2.55	0.59
1:l:230:PHE:CE1	1:l:329:SER:O	2.55	0.59
1:r:230:PHE:CE1	1:r:329:SER:O	2.55	0.59
1:w:212:LYS:NZ	1:x:40:SER:O	2.33	0.59
1:x:193:VAL:HG12	1:x:194:SER:O	2.02	0.59
1:1:177:VAL:HG21	1:1:340:LYS:HD3	1.84	0.59
1:2:230:PHE:CE1	1:2:329:SER:O	2.55	0.59
1:A:177:VAL:HG21	1:A:340:LYS:HD3	1.84	0.59
1:B:40:SER:O	1:J:212:LYS:NZ	2.33	0.59
1:B:81:ILE:HB	1:B:273:LEU:HB2	1.84	0.59
1:B:193:VAL:HG12	1:B:194:SER:O	2.02	0.59
1:C:81:ILE:HB	1:C:273:LEU:HB2	1.84	0.59
1:E:312:ASN:ND2	1:P:106:HIS:O	2.35	0.59
1:F:285:PHE:HE1	1:R:148:THR:HA	1.67	0.59
1:L:177:VAL:HG21	1:L:340:LYS:HD3	1.84	0.59
1:M:81:ILE:HB	1:M:273:LEU:HB2	1.84	0.59
1:M:193:VAL:HG12	1:M:194:SER:O	2.02	0.59
1:N:177:VAL:HG21	1:N:340:LYS:HD3	1.84	0.59
1:O:212:LYS:NZ	1:h:40:SER:O	2.35	0.59
1:O:230:PHE:CE1	1:O:329:SER:O	2.55	0.59
1:T:40:SER:O	1:5:212:LYS:NZ	2.33	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:X:81:ILE:HB	1:X:273:LEU:HB2	1.84	0.59
1:Z:230:PHE:CE1	1:Z:329:SER:O	2.55	0.59
1:f:81:ILE:HB	1:f:273:LEU:HB2	1.84	0.59
1:i:40:SER:O	1:j:212:LYS:NZ	2.34	0.59
1:i:81:ILE:HB	1:i:273:LEU:HB2	1.84	0.59
1:i:122:THR:CG2	1:i:123:LYS:N	2.48	0.59
1:i:193:VAL:HG12	1:i:194:SER:O	2.02	0.59
1:k:212:LYS:NZ	1:m:40:SER:O	2.34	0.59
1:o:40:SER:O	1:p:212:LYS:NZ	2.33	0.59
1:s:177:VAL:HG21	1:s:340:LYS:HD3	1.84	0.59
1:1:81:ILE:HB	1:1:273:LEU:HB2	1.84	0.59
1:B:212:LYS:NZ	1:L:40:SER:O	2.33	0.59
1:G:193:VAL:HG12	1:G:194:SER:O	2.02	0.59
1:I:177:VAL:HG21	1:I:340:LYS:HD3	1.84	0.59
1:O:81:ILE:HB	1:O:273:LEU:HB2	1.84	0.59
1:S:177:VAL:HG21	1:S:340:LYS:HD3	1.84	0.59
1:T:230:PHE:CE1	1:T:329:SER:O	2.55	0.59
1:8:81:ILE:HB	1:8:273:LEU:HB2	1.84	0.59
1:f:230:PHE:CE1	1:f:329:SER:O	2.55	0.59
1:k:193:VAL:HG12	1:k:194:SER:O	2.02	0.59
1:m:177:VAL:HG21	1:m:340:LYS:HD3	1.84	0.59
1:m:230:PHE:CE1	1:m:329:SER:O	2.55	0.59
1:n:312:ASN:ND2	1:y:106:HIS:O	2.35	0.59
1:p:230:PHE:CE1	1:p:329:SER:O	2.55	0.59
1:q:193:VAL:HG12	1:q:194:SER:O	2.02	0.59
1:r:177:VAL:HG21	1:r:340:LYS:HD3	1.84	0.59
1:t:230:PHE:CE1	1:t:329:SER:O	2.55	0.59
1:v:177:VAL:HG21	1:v:340:LYS:HD3	1.84	0.59
1:2:81:ILE:HB	1:2:273:LEU:HB2	1.84	0.59
1:E:177:VAL:HG21	1:E:340:LYS:HD3	1.84	0.59
1:L:81:ILE:HB	1:L:273:LEU:HB2	1.84	0.59
1:L:230:PHE:CE1	1:L:329:SER:O	2.55	0.59
1:N:230:PHE:CE1	1:N:329:SER:O	2.55	0.59
1:T:81:ILE:HB	1:T:273:LEU:HB2	1.84	0.59
1:Y:193:VAL:HG12	1:Y:194:SER:O	2.02	0.59
1:Z:212:LYS:NZ	1:w:40:SER:O	2.34	0.59
1:6:193:VAL:HG12	1:6:194:SER:O	2.02	0.59
1:c:81:ILE:HB	1:c:273:LEU:HB2	1.84	0.59
1:h:81:ILE:HB	1:h:273:LEU:HB2	1.84	0.59
1:m:81:ILE:HB	1:m:273:LEU:HB2	1.84	0.59
1:p:106:HIS:O	1:s:312:ASN:ND2	2.36	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:u:81:ILE:HB	1:u:273:LEU:HB2	1.84	0.59
1:u:193:VAL:HG12	1:u:194:SER:O	2.02	0.59
1:x:81:ILE:HB	1:x:273:LEU:HB2	1.84	0.59
1:x:230:PHE:CE1	1:x:329:SER:O	2.55	0.59
1:C:193:VAL:HG12	1:C:194:SER:O	2.02	0.59
1:E:193:VAL:HG12	1:E:194:SER:O	2.02	0.59
1:G:106:HIS:O	1:H:312:ASN:ND2	2.36	0.59
1:K:148:THR:HA	1:L:285:PHE:HE1	1.68	0.59
1:L:148:THR:HA	1:7:285:PHE:HE1	1.67	0.59
1:N:312:ASN:ND2	1:O:106:HIS:O	2.36	0.59
1:Q:148:THR:HA	1:S:285:PHE:HE1	1.68	0.59
1:Q:177:VAL:HG21	1:Q:340:LYS:HD3	1.84	0.59
1:R:81:ILE:HB	1:R:273:LEU:HB2	1.84	0.59
1:Y:81:ILE:HB	1:Y:273:LEU:HB2	1.84	0.59
1:Y:312:ASN:ND2	1:Z:106:HIS:O	2.36	0.59
1:f:193:VAL:HG12	1:f:194:SER:O	2.02	0.59
1:j:193:VAL:HG12	1:j:194:SER:O	2.02	0.59
1:n:177:VAL:HG21	1:n:340:LYS:HD3	1.84	0.59
1:o:177:VAL:HG21	1:o:340:LYS:HD3	1.84	0.59
1:w:193:VAL:HG12	1:w:194:SER:O	2.02	0.59
1:1:312:ASN:ND2	1:2:106:HIS:O	2.36	0.59
1:A:81:ILE:HB	1:A:273:LEU:HB2	1.84	0.59
1:E:81:ILE:HB	1:E:273:LEU:HB2	1.84	0.59
1:H:81:ILE:HB	1:H:273:LEU:HB2	1.84	0.59
1:J:177:VAL:HG21	1:J:340:LYS:HD3	1.84	0.59
1:S:40:SER:O	1:U:212:LYS:NZ	2.33	0.59
1:T:260:VAL:CG1	1:T:328:GLN:CD	2.76	0.59
1:U:148:THR:HA	1:4:285:PHE:HE1	1.68	0.59
1:U:230:PHE:CE1	1:U:329:SER:O	2.55	0.59
1:Y:106:HIS:O	1:Z:312:ASN:ND2	2.36	0.59
1:8:193:VAL:HG12	1:8:194:SER:O	2.02	0.59
1:8:230:PHE:CE1	1:8:329:SER:O	2.55	0.59
1:7:81:ILE:HB	1:7:273:LEU:HB2	1.84	0.59
1:7:193:VAL:HG12	1:7:194:SER:O	2.02	0.59
1:7:260:VAL:CG1	1:7:328:GLN:CD	2.76	0.59
1:6:260:VAL:CG1	1:6:328:GLN:CD	2.76	0.59
1:5:193:VAL:HG12	1:5:194:SER:O	2.02	0.59
1:a:106:HIS:O	1:t:312:ASN:ND2	2.36	0.59
1:c:193:VAL:HG12	1:c:194:SER:O	2.02	0.59
1:c:312:ASN:ND2	1:f:106:HIS:O	2.36	0.59
1:d:312:ASN:ND2	1:q:106:HIS:O	2.36	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:g:148:THR:HA	1:m:285:PHE:HE1	1.68	0.59
1:h:193:VAL:HG12	1:h:194:SER:O	2.02	0.59
1:h:230:PHE:CE1	1:h:329:SER:O	2.55	0.59
1:j:260:VAL:CG1	1:j:328:GLN:CD	2.76	0.59
1:l:177:VAL:HG21	1:l:340:LYS:HD3	1.84	0.59
1:n:81:ILE:HB	1:n:273:LEU:HB2	1.84	0.59
1:o:148:THR:HA	1:v:285:PHE:HE1	1.68	0.59
1:p:312:ASN:ND2	1:s:106:HIS:O	2.36	0.59
1:x:260:VAL:CG1	1:x:328:GLN:CD	2.76	0.59
1:1:230:PHE:CE1	1:1:329:SER:O	2.55	0.59
1:C:260:VAL:CG1	1:C:328:GLN:CD	2.76	0.59
1:G:148:THR:HA	1:W:285:PHE:HE1	1.68	0.59
1:J:260:VAL:CG1	1:J:328:GLN:CD	2.76	0.59
1:S:260:VAL:CG1	1:S:328:GLN:CD	2.76	0.59
1:U:312:ASN:ND2	1:V:106:HIS:O	2.36	0.59
1:V:40:SER:O	1:4:212:LYS:NZ	2.33	0.59
1:V:230:PHE:CE1	1:V:329:SER:O	2.55	0.59
1:W:230:PHE:CE1	1:W:329:SER:O	2.55	0.59
1:8:260:VAL:CG1	1:8:328:GLN:CD	2.76	0.59
1:6:80:MET:SD	1:6:192:THR:OG1	2.61	0.59
1:4:193:VAL:HG12	1:4:194:SER:O	2.02	0.59
1:3:193:VAL:HG12	1:3:194:SER:O	2.02	0.59
1:3:285:PHE:HE1	1:t:148:THR:HA	1.68	0.59
1:c:106:HIS:O	1:f:312:ASN:ND2	2.36	0.59
1:e:230:PHE:CE1	1:e:329:SER:O	2.55	0.59
1:i:148:THR:HA	1:1:285:PHE:HE1	1.67	0.59
1:l:260:VAL:CG1	1:l:328:GLN:CD	2.76	0.59
1:n:193:VAL:HG12	1:n:194:SER:O	2.02	0.59
1:o:243:ASN:HD22	1:o:246:MET:CG	2.08	0.59
1:p:148:THR:HA	1:q:285:PHE:HE1	1.67	0.59
1:s:81:ILE:HB	1:s:273:LEU:HB2	1.84	0.59
1:t:260:VAL:CG1	1:t:328:GLN:CD	2.76	0.59
1:D:193:VAL:HG12	1:D:194:SER:O	2.02	0.59
1:D:285:PHE:HE1	1:E:148:THR:HA	1.68	0.59
1:E:230:PHE:CE1	1:E:329:SER:O	2.55	0.59
1:M:148:THR:HA	1:N:285:PHE:HE1	1.67	0.59
1:O:260:VAL:CG1	1:O:328:GLN:CD	2.76	0.59
1:Q:260:VAL:CG1	1:Q:328:GLN:CD	2.76	0.59
1:S:148:THR:HA	1:5:285:PHE:HE1	1.68	0.59
1:Z:193:VAL:HG12	1:Z:194:SER:O	2.02	0.59
1:6:81:ILE:HB	1:6:273:LEU:HB2	1.84	0.59

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5:260:VAL:CG1	1:5:328:GLN:CD	2.76	0.59
1:a:230:PHE:CE1	1:a:329:SER:O	2.55	0.59
1:b:312:ASN:ND2	1:e:106:HIS:O	2.36	0.59
1:d:81:ILE:HB	1:d:273:LEU:HB2	1.84	0.59
1:e:285:PHE:HE1	1:q:148:THR:HA	1.68	0.59
1:g:312:ASN:ND2	1:l:106:HIS:O	2.36	0.59
1:l:193:VAL:HG12	1:l:194:SER:O	2.02	0.59
1:n:148:THR:HA	1:z:285:PHE:HE1	1.68	0.59
1:o:260:VAL:CG1	1:o:328:GLN:CD	2.76	0.59
1:v:148:THR:HA	1:w:285:PHE:HE1	1.68	0.59
1:v:260:VAL:CG1	1:v:328:GLN:CD	2.76	0.59
1:z:122:THR:CG2	1:z:123:LYS:N	2.48	0.59
1:z:193:VAL:HG12	1:z:194:SER:O	2.02	0.59
1:A:106:HIS:O	1:F:312:ASN:ND2	2.36	0.58
1:A:193:VAL:HG12	1:A:194:SER:O	2.02	0.58
1:C:212:LYS:NZ	1:M:40:SER:O	2.34	0.58
1:D:106:HIS:O	1:M:312:ASN:ND2	2.36	0.58
1:H:230:PHE:CE1	1:H:329:SER:O	2.55	0.58
1:I:80:MET:SD	1:I:192:THR:OG1	2.61	0.58
1:I:148:THR:HA	1:J:285:PHE:HE1	1.68	0.58
1:I:260:VAL:CG1	1:I:328:GLN:CD	2.76	0.58
1:J:193:VAL:HG12	1:J:194:SER:O	2.02	0.58
1:Q:81:ILE:HB	1:Q:273:LEU:HB2	1.84	0.58
1:U:260:VAL:CG1	1:U:328:GLN:CD	2.76	0.58
1:W:106:HIS:O	1:X:312:ASN:ND2	2.36	0.58
1:Z:177:VAL:HG21	1:Z:340:LYS:HD3	1.84	0.58
1:7:80:MET:SD	1:7:192:THR:OG1	2.61	0.58
1:a:81:ILE:HB	1:a:273:LEU:HB2	1.84	0.58
1:d:230:PHE:CE1	1:d:329:SER:O	2.55	0.58
1:f:177:VAL:HG21	1:f:340:LYS:HD3	1.84	0.58
1:m:260:VAL:CG1	1:m:328:GLN:CD	2.76	0.58
1:o:81:ILE:HB	1:o:273:LEU:HB2	1.84	0.58
1:o:285:PHE:HE1	1:y:148:THR:HA	1.68	0.58
1:p:81:ILE:HB	1:p:273:LEU:HB2	1.84	0.58
1:q:177:VAL:HG21	1:q:340:LYS:HD3	1.84	0.58
1:r:260:VAL:CG1	1:r:328:GLN:CD	2.76	0.58
1:t:212:LYS:NZ	1:v:40:SER:O	2.33	0.58
1:w:260:VAL:CG1	1:w:328:GLN:CD	2.76	0.58
1:A:212:LYS:NZ	1:I:40:SER:O	2.32	0.58
1:B:177:VAL:HG21	1:B:340:LYS:HD3	1.84	0.58
1:C:312:ASN:ND2	1:L:106:HIS:O	2.36	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:80:MET:SD	1:E:192:THR:OG1	2.61	0.58
1:F:177:VAL:HG21	1:F:340:LYS:HD3	1.84	0.58
1:G:177:VAL:HG21	1:G:340:LYS:HD3	1.84	0.58
1:H:148:THR:HA	1:I:285:PHE:HE1	1.68	0.58
1:J:106:HIS:O	1:K:312:ASN:ND2	2.36	0.58
1:J:312:ASN:ND2	1:K:106:HIS:O	2.36	0.58
1:M:177:VAL:HG21	1:M:340:LYS:HD3	1.84	0.58
1:M:285:PHE:HE1	1:6:148:THR:HA	1.68	0.58
1:N:260:VAL:CG1	1:N:328:GLN:CD	2.76	0.58
1:Z:122:THR:CG2	1:Z:123:LYS:H	1.93	0.58
1:5:177:VAL:HG21	1:5:340:LYS:HD3	1.84	0.58
1:4:260:VAL:CG1	1:4:328:GLN:CD	2.76	0.58
1:3:260:VAL:CG1	1:3:328:GLN:CD	2.76	0.58
1:f:122:THR:CG2	1:f:123:LYS:H	1.93	0.58
1:g:106:HIS:O	1:l:312:ASN:ND2	2.36	0.58
1:h:260:VAL:CG1	1:h:328:GLN:CD	2.76	0.58
1:i:80:MET:SD	1:i:192:THR:OG1	2.61	0.58
1:i:177:VAL:HG21	1:i:340:LYS:HD3	1.84	0.58
1:i:312:ASN:ND2	1:z:106:HIS:O	2.36	0.58
1:l:285:PHE:HE1	1:r:148:THR:HA	1.68	0.58
1:n:230:PHE:CE1	1:n:329:SER:O	2.55	0.58
1:r:81:ILE:HB	1:r:273:LEU:HB2	1.84	0.58
1:s:193:VAL:HG12	1:s:194:SER:O	2.02	0.58
1:1:260:VAL:CG1	1:1:328:GLN:CD	2.76	0.58
1:2:260:VAL:CG1	1:2:328:GLN:CD	2.76	0.58
1:A:312:ASN:ND2	1:F:106:HIS:O	2.36	0.58
1:B:106:HIS:O	1:I:312:ASN:ND2	2.36	0.58
1:E:106:HIS:O	1:P:312:ASN:ND2	2.36	0.58
1:F:81:ILE:HB	1:F:273:LEU:HB2	1.84	0.58
1:G:260:VAL:CG1	1:G:328:GLN:CD	2.76	0.58
1:I:81:ILE:HB	1:I:273:LEU:HB2	1.84	0.58
1:L:260:VAL:CG1	1:L:328:GLN:CD	2.76	0.58
1:P:148:THR:HA	1:Q:285:PHE:HE1	1.68	0.58
1:Y:260:VAL:CG1	1:Y:328:GLN:CD	2.76	0.58
1:c:260:VAL:CG1	1:c:328:GLN:CD	2.76	0.58
1:d:148:THR:HA	1:r:285:PHE:HE1	1.68	0.58
1:k:177:VAL:HG21	1:k:340:LYS:HD3	1.84	0.58
1:n:106:HIS:O	1:y:312:ASN:ND2	2.36	0.58
1:p:177:VAL:HG21	1:p:340:LYS:HD3	1.84	0.58
1:w:177:VAL:HG21	1:w:340:LYS:HD3	1.84	0.58
1:B:260:VAL:CG1	1:B:328:GLN:CD	2.76	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:122:THR:CG2	1:D:123:LYS:H	1.93	0.58
1:D:177:VAL:HG21	1:D:340:LYS:HD3	1.84	0.58
1:F:260:VAL:CG1	1:F:328:GLN:CD	2.76	0.58
1:K:260:VAL:CG1	1:K:328:GLN:CD	2.76	0.58
1:Z:260:VAL:CG1	1:Z:328:GLN:CD	2.76	0.58
1:7:239:VAL:HG13	1:7:268:MET:CE	2.34	0.58
1:5:122:THR:CG2	1:5:123:LYS:N	2.48	0.58
1:3:212:LYS:NZ	1:a:40:SER:O	2.33	0.58
1:a:260:VAL:CG1	1:a:328:GLN:CD	2.76	0.58
1:b:106:HIS:O	1:e:312:ASN:ND2	2.36	0.58
1:g:260:VAL:CG1	1:g:328:GLN:CD	2.76	0.58
1:j:312:ASN:ND2	1:m:106:HIS:O	2.36	0.58
1:p:260:VAL:CG1	1:p:328:GLN:CD	2.76	0.58
1:q:260:VAL:CG1	1:q:328:GLN:CD	2.76	0.58
1:z:122:THR:CG2	1:z:123:LYS:H	1.93	0.58
1:H:285:PHE:HE1	1:Z:148:THR:HA	1.68	0.58
1:O:177:VAL:HG21	1:O:340:LYS:HD3	1.84	0.58
1:Q:243:ASN:ND2	1:Q:246:MET:CG	2.67	0.58
1:T:177:VAL:HG21	1:T:340:LYS:HD3	1.84	0.58
1:V:81:ILE:HB	1:V:273:LEU:HB2	1.84	0.58
1:V:260:VAL:CG1	1:V:328:GLN:CD	2.76	0.58
1:W:243:ASN:ND2	1:W:246:MET:CG	2.67	0.58
1:W:312:ASN:ND2	1:X:106:HIS:O	2.36	0.58
1:7:243:ASN:ND2	1:7:246:MET:CG	2.67	0.58
1:6:212:LYS:NZ	1:j:40:SER:O	2.33	0.58
1:6:285:PHE:HE1	1:m:148:THR:HA	1.68	0.58
1:c:80:MET:SD	1:c:192:THR:OG1	2.61	0.58
1:f:80:MET:SD	1:f:192:THR:OG1	2.61	0.58
1:f:260:VAL:CG1	1:f:328:GLN:CD	2.76	0.58
1:k:106:HIS:O	1:r:312:ASN:ND2	2.36	0.58
1:o:243:ASN:ND2	1:o:246:MET:CG	2.67	0.58
1:u:260:VAL:CG1	1:u:328:GLN:CD	2.76	0.58
1:y:81:ILE:HB	1:y:273:LEU:HB2	1.84	0.58
1:z:177:VAL:HG21	1:z:340:LYS:HD3	1.84	0.58
1:2:177:VAL:HG21	1:2:340:LYS:HD3	1.84	0.58
1:A:148:THR:HA	1:E:285:PHE:HE1	1.68	0.58
1:D:312:ASN:ND2	1:M:106:HIS:O	2.36	0.58
1:F:148:THR:HA	1:G:285:PHE:HE1	1.68	0.58
1:J:148:THR:HA	1:8:285:PHE:HE1	1.68	0.58
1:K:285:PHE:HE1	1:1:148:THR:HA	1.68	0.58
1:L:243:ASN:ND2	1:L:246:MET:CG	2.67	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:239:VAL:HG13	1:N:268:MET:CE	2.34	0.58
1:O:148:THR:HA	1:P:285:PHE:HE1	1.68	0.58
1:P:122:THR:CG2	1:P:123:LYS:H	1.93	0.58
1:R:177:VAL:HG21	1:R:340:LYS:HD3	1.84	0.58
1:S:106:HIS:O	1:T:312:ASN:ND2	2.36	0.58
1:Y:80:MET:SD	1:Y:192:THR:OG1	2.61	0.58
1:Z:80:MET:SD	1:Z:192:THR:OG1	2.61	0.58
1:6:239:VAL:HG13	1:6:268:MET:CE	2.34	0.58
1:6:243:ASN:ND2	1:6:246:MET:CG	2.67	0.58
1:4:148:THR:HA	1:b:285:PHE:HE1	1.68	0.58
1:e:243:ASN:ND2	1:e:246:MET:CG	2.67	0.58
1:k:260:VAL:CG1	1:k:328:GLN:CD	2.76	0.58
1:r:40:SER:O	1:s:212:LYS:NZ	2.33	0.58
1:v:243:ASN:ND2	1:v:246:MET:CG	2.67	0.58
1:x:177:VAL:HG21	1:x:340:LYS:HD3	1.84	0.58
1:E:212:LYS:NZ	1:F:40:SER:O	2.33	0.58
1:G:239:VAL:HG13	1:G:268:MET:CE	2.34	0.58
1:H:266:ARG:NH2	1:H:360:GLY:O	2.30	0.58
1:K:80:MET:SD	1:K:192:THR:OG1	2.61	0.58
1:K:239:VAL:HG13	1:K:268:MET:CE	2.34	0.58
1:P:81:ILE:HB	1:P:273:LEU:HB2	1.84	0.58
1:R:260:VAL:CG1	1:R:328:GLN:CD	2.76	0.58
1:R:285:PHE:HE1	1:V:148:THR:HA	1.68	0.58
1:S:243:ASN:ND2	1:S:246:MET:CG	2.67	0.58
1:W:177:VAL:HG21	1:W:340:LYS:HD3	1.84	0.58
1:X:260:VAL:CG1	1:X:328:GLN:CD	2.76	0.58
1:8:177:VAL:HG21	1:8:340:LYS:HD3	1.84	0.58
1:d:285:PHE:HE1	1:f:148:THR:HA	1.68	0.58
1:e:177:VAL:HG21	1:e:340:LYS:HD3	1.84	0.58
1:g:40:SER:O	1:h:212:LYS:NZ	2.33	0.58
1:g:177:VAL:HG21	1:g:340:LYS:HD3	1.84	0.58
1:h:285:PHE:HE1	1:l:148:THR:HA	1.68	0.58
1:i:106:HIS:O	1:z:312:ASN:ND2	2.36	0.58
1:m:239:VAL:HG13	1:m:268:MET:CE	2.34	0.58
1:n:285:PHE:HE1	1:s:148:THR:HA	1.68	0.58
1:t:239:VAL:HG13	1:t:268:MET:CE	2.34	0.58
1:v:106:HIS:O	1:x:312:ASN:ND2	2.36	0.58
1:1:239:VAL:HG13	1:1:268:MET:CE	2.34	0.58
1:H:239:VAL:HG13	1:H:268:MET:CE	2.34	0.58
1:K:177:VAL:HG21	1:K:340:LYS:HD3	1.84	0.58
1:L:122:THR:CG2	1:L:123:LYS:H	1.93	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:U:106:HIS:O	1:V:312:ASN:ND2	2.36	0.58
1:U:239:VAL:HG13	1:U:268:MET:CE	2.34	0.58
1:W:260:VAL:CG1	1:W:328:GLN:CD	2.76	0.58
1:Y:239:VAL:HG13	1:Y:268:MET:CE	2.34	0.58
1:4:312:ASN:ND2	1:3:106:HIS:O	2.36	0.58
1:a:312:ASN:ND2	1:t:106:HIS:O	2.36	0.58
1:g:239:VAL:HG13	1:g:268:MET:CE	2.34	0.58
1:h:177:VAL:HG21	1:h:340:LYS:HD3	1.84	0.58
1:q:239:VAL:HG13	1:q:268:MET:CE	2.34	0.58
1:u:177:VAL:HG21	1:u:340:LYS:HD3	1.84	0.58
1:y:40:SER:O	1:z:212:LYS:NZ	2.34	0.58
1:y:285:PHE:HE1	1:2:148:THR:HA	1.68	0.58
1:1:106:HIS:O	1:2:312:ASN:ND2	2.36	0.58
1:C:285:PHE:HE1	1:D:148:THR:HA	1.68	0.58
1:L:239:VAL:HG13	1:L:268:MET:CE	2.34	0.58
1:M:165:GLN:OE1	1:7:322:ASN:ND2	2.36	0.58
1:N:106:HIS:O	1:O:312:ASN:ND2	2.36	0.58
1:N:148:THR:HA	1:g:285:PHE:HE1	1.68	0.58
1:4:106:HIS:O	1:3:312:ASN:ND2	2.36	0.58
1:4:239:VAL:HG13	1:4:268:MET:CE	2.34	0.58
1:3:239:VAL:HG13	1:3:268:MET:CE	2.34	0.58
1:c:243:ASN:ND2	1:c:246:MET:CG	2.67	0.58
1:j:285:PHE:HE1	1:z:148:THR:HA	1.68	0.58
1:u:239:VAL:HG13	1:u:268:MET:CE	2.34	0.58
1:w:122:THR:CG2	1:w:123:LYS:N	2.48	0.58
1:y:243:ASN:ND2	1:y:246:MET:CG	2.67	0.58
1:B:285:PHE:HE1	1:C:148:THR:HA	1.68	0.58
1:D:212:LYS:NZ	1:P:40:SER:O	2.34	0.58
1:D:243:ASN:ND2	1:D:246:MET:CG	2.67	0.58
1:K:40:SER:O	1:8:212:LYS:NZ	2.33	0.58
1:P:243:ASN:ND2	1:P:246:MET:CG	2.67	0.58
1:P:260:VAL:CG1	1:P:328:GLN:CD	2.76	0.58
1:R:239:VAL:HG13	1:R:268:MET:CE	2.34	0.58
1:U:81:ILE:HB	1:U:273:LEU:HB2	1.84	0.58
1:X:285:PHE:HE1	1:3:148:THR:HA	1.68	0.58
1:Y:243:ASN:ND2	1:Y:246:MET:CG	2.67	0.58
1:a:148:THR:HA	1:u:285:PHE:HE1	1.68	0.58
1:b:260:VAL:CG1	1:b:328:GLN:CD	2.76	0.58
1:c:239:VAL:HG13	1:c:268:MET:CE	2.34	0.58
1:j:148:THR:HA	1:k:285:PHE:HE1	1.68	0.58
1:j:239:VAL:HG13	1:j:268:MET:CE	2.34	0.58

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:s:260:VAL:CG1	1:s:328:GLN:CD	2.76	0.58
1:A:260:VAL:CG1	1:A:328:GLN:CD	2.76	0.57
1:C:239:VAL:HG13	1:C:268:MET:CE	2.34	0.57
1:C:243:ASN:ND2	1:C:246:MET:CG	2.67	0.57
1:E:260:VAL:CG1	1:E:328:GLN:CD	2.76	0.57
1:M:260:VAL:CG1	1:M:328:GLN:CD	2.76	0.57
1:O:239:VAL:HG13	1:O:268:MET:CE	2.34	0.57
1:4:243:ASN:ND2	1:4:246:MET:CG	2.67	0.57
1:3:243:ASN:ND2	1:3:246:MET:CG	2.66	0.57
1:c:40:SER:O	1:d:212:LYS:NZ	2.33	0.57
1:d:260:VAL:CG1	1:d:328:GLN:CD	2.76	0.57
1:i:260:VAL:CG1	1:i:328:GLN:CD	2.76	0.57
1:j:243:ASN:ND2	1:j:246:MET:CG	2.67	0.57
1:n:212:LYS:NZ	1:p:40:SER:O	2.33	0.57
1:n:260:VAL:CG1	1:n:328:GLN:CD	2.76	0.57
1:v:312:ASN:ND2	1:x:106:HIS:O	2.36	0.57
1:z:243:ASN:ND2	1:z:246:MET:CG	2.67	0.57
1:2:239:VAL:HG13	1:2:268:MET:CE	2.34	0.57
1:H:212:LYS:NZ	1:Y:40:SER:O	2.33	0.57
1:H:260:VAL:CG1	1:H:328:GLN:CD	2.76	0.57
1:S:312:ASN:ND2	1:T:106:HIS:O	2.36	0.57
1:5:106:HIS:O	1:h:312:ASN:ND2	2.37	0.57
1:a:239:VAL:HG13	1:a:268:MET:CE	2.34	0.57
1:e:260:VAL:CG1	1:e:328:GLN:CD	2.76	0.57
1:m:122:THR:CG2	1:m:123:LYS:H	1.93	0.57
1:y:260:VAL:CG1	1:y:328:GLN:CD	2.76	0.57
1:2:243:ASN:ND2	1:2:246:MET:CG	2.67	0.57
1:A:173:LYS:HB2	1:A:176:THR:HG22	1.87	0.57
1:C:173:LYS:HB2	1:C:176:THR:HG22	1.87	0.57
1:Q:312:ASN:ND2	1:R:106:HIS:O	2.36	0.57
1:T:148:THR:HA	1:U:285:PHE:HE1	1.68	0.57
1:V:239:VAL:HG13	1:V:268:MET:CE	2.34	0.57
1:V:243:ASN:ND2	1:V:246:MET:CG	2.67	0.57
1:Y:173:LYS:HB2	1:Y:176:THR:HG22	1.87	0.57
1:8:239:VAL:HG13	1:8:268:MET:CE	2.34	0.57
1:8:312:ASN:ND2	1:w:106:HIS:O	2.37	0.57
1:c:173:LYS:HB2	1:c:176:THR:HG22	1.87	0.57
1:m:266:ARG:NH2	1:m:360:GLY:O	2.29	0.57
1:o:312:ASN:ND2	1:u:106:HIS:O	2.36	0.57
1:s:173:LYS:HB2	1:s:176:THR:HG22	1.87	0.57
1:t:81:ILE:HB	1:t:273:LEU:HB2	1.84	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:x:239:VAL:HG13	1:x:268:MET:CE	2.34	0.57
1:E:243:ASN:ND2	1:E:246:MET:CG	2.67	0.57
1:O:243:ASN:ND2	1:O:246:MET:CG	2.67	0.57
1:O:285:PHE:HE1	1:5:148:THR:HA	1.69	0.57
1:T:239:VAL:HG13	1:T:268:MET:CE	2.34	0.57
1:U:173:LYS:HB2	1:U:176:THR:HG22	1.87	0.57
1:8:106:HIS:O	1:w:312:ASN:ND2	2.37	0.57
1:8:173:LYS:HB2	1:8:176:THR:HG22	1.87	0.57
1:5:312:ASN:ND2	1:h:106:HIS:O	2.37	0.57
1:a:243:ASN:ND2	1:a:246:MET:CG	2.67	0.57
1:a:285:PHE:HE1	1:e:148:THR:HA	1.68	0.57
1:h:239:VAL:HG13	1:h:268:MET:CE	2.34	0.57
1:i:243:ASN:ND2	1:i:246:MET:CG	2.67	0.57
1:j:106:HIS:O	1:m:312:ASN:ND2	2.36	0.57
1:j:173:LYS:HB2	1:j:176:THR:HG22	1.87	0.57
1:y:122:THR:CG2	1:y:123:LYS:H	1.93	0.57
1:y:177:VAL:HG21	1:y:340:LYS:HD3	1.84	0.57
1:A:249:VAL:HG23	1:A:328:GLN:HB3	1.87	0.57
1:C:106:HIS:O	1:L:312:ASN:ND2	2.36	0.57
1:C:322:ASN:ND2	1:7:165:GLN:OE1	2.37	0.57
1:D:322:ASN:ND2	1:N:165:GLN:OE1	2.38	0.57
1:E:173:LYS:HB2	1:E:176:THR:HG22	1.87	0.57
1:F:173:LYS:HB2	1:F:176:THR:HG22	1.87	0.57
1:H:249:VAL:HG23	1:H:328:GLN:HB3	1.87	0.57
1:I:249:VAL:HG23	1:I:328:GLN:HB3	1.87	0.57
1:L:266:ARG:NH2	1:L:360:GLY:O	2.30	0.57
1:M:243:ASN:ND2	1:M:246:MET:CG	2.67	0.57
1:Q:239:VAL:HG13	1:Q:268:MET:CE	2.34	0.57
1:Q:249:VAL:HG23	1:Q:328:GLN:HB3	1.87	0.57
1:S:239:VAL:HG13	1:S:268:MET:CE	2.34	0.57
1:V:212:LYS:NZ	1:X:40:SER:O	2.34	0.57
1:a:212:LYS:NZ	1:b:40:SER:O	2.34	0.57
1:d:249:VAL:HG23	1:d:328:GLN:HB3	1.87	0.57
1:h:173:LYS:HB2	1:h:176:THR:HG22	1.87	0.57
1:n:243:ASN:ND2	1:n:246:MET:CG	2.67	0.57
1:o:249:VAL:HG23	1:o:328:GLN:HB3	1.87	0.57
1:p:173:LYS:HB2	1:p:176:THR:HG22	1.87	0.57
1:r:249:VAL:HG23	1:r:328:GLN:HB3	1.87	0.57
1:s:249:VAL:HG23	1:s:328:GLN:HB3	1.87	0.57
1:w:148:THR:HA	1:2:285:PHE:HE1	1.69	0.57
1:z:260:VAL:CG1	1:z:328:GLN:CD	2.76	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:z:322:ASN:ND2	1:1:165:GLN:OE1	2.38	0.57
1:D:260:VAL:CG1	1:D:328:GLN:CD	2.76	0.57
1:K:249:VAL:HG23	1:K:328:GLN:HB3	1.87	0.57
1:N:173:LYS:HB2	1:N:176:THR:HG22	1.87	0.57
1:P:177:VAL:HG21	1:P:340:LYS:HD3	1.84	0.57
1:V:285:PHE:HE1	1:W:148:THR:HA	1.68	0.57
1:W:173:LYS:HB2	1:W:176:THR:HG22	1.87	0.57
1:X:249:VAL:HG23	1:X:328:GLN:HB3	1.87	0.57
1:5:80:MET:SD	1:5:192:THR:OG1	2.61	0.57
1:b:173:LYS:HB2	1:b:176:THR:HG22	1.87	0.57
1:e:173:LYS:HB2	1:e:176:THR:HG22	1.87	0.57
1:i:239:VAL:HG13	1:i:268:MET:CE	2.34	0.57
1:n:173:LYS:HB2	1:n:176:THR:HG22	1.87	0.57
1:n:322:ASN:ND2	1:o:165:GLN:OE1	2.38	0.57
1:o:106:HIS:O	1:u:312:ASN:ND2	2.36	0.57
1:o:239:VAL:HG13	1:o:268:MET:CE	2.34	0.57
1:p:239:VAL:HG13	1:p:268:MET:CE	2.34	0.57
1:q:243:ASN:ND2	1:q:246:MET:CG	2.67	0.57
1:r:239:VAL:HG13	1:r:268:MET:CE	2.34	0.57
1:t:173:LYS:HB2	1:t:176:THR:HG22	1.87	0.57
1:t:285:PHE:HE1	1:x:148:THR:HA	1.68	0.57
1:w:80:MET:SD	1:w:192:THR:OG1	2.61	0.57
1:1:173:LYS:HB2	1:1:176:THR:HG22	1.87	0.57
1:B:322:ASN:ND2	1:J:165:GLN:OE1	2.38	0.57
1:E:249:VAL:HG23	1:E:328:GLN:HB3	1.87	0.57
1:E:322:ASN:ND2	1:Q:165:GLN:OE1	2.38	0.57
1:F:239:VAL:HG13	1:F:268:MET:CE	2.34	0.57
1:G:243:ASN:ND2	1:G:246:MET:CG	2.67	0.57
1:I:239:VAL:HG13	1:I:268:MET:CE	2.34	0.57
1:J:230:PHE:CD2	1:J:330:TYR:CE1	2.93	0.57
1:K:230:PHE:CD2	1:K:330:TYR:CE1	2.93	0.57
1:M:239:VAL:HG13	1:M:268:MET:CE	2.34	0.57
1:Q:80:MET:SD	1:Q:192:THR:OG1	2.61	0.57
1:Q:106:HIS:O	1:R:312:ASN:ND2	2.36	0.57
1:T:322:ASN:ND2	1:5:165:GLN:OE1	2.38	0.57
1:X:173:LYS:HB2	1:X:176:THR:HG22	1.87	0.57
1:Y:249:VAL:HG23	1:Y:328:GLN:HB3	1.87	0.57
1:4:173:LYS:HB2	1:4:176:THR:HG22	1.87	0.57
1:4:249:VAL:HG23	1:4:328:GLN:HB3	1.87	0.57
1:3:173:LYS:HB2	1:3:176:THR:HG22	1.87	0.57
1:3:249:VAL:HG23	1:3:328:GLN:HB3	1.87	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:g:249:VAL:HG23	1:g:328:GLN:HB3	1.87	0.57
1:k:173:LYS:HB2	1:k:176:THR:HG22	1.87	0.57
1:l:230:PHE:CD2	1:l:330:TYR:CE1	2.93	0.57
1:r:243:ASN:ND2	1:r:246:MET:CG	2.67	0.57
1:v:239:VAL:HG13	1:v:268:MET:CE	2.34	0.57
1:x:230:PHE:CD2	1:x:330:TYR:CE1	2.93	0.57
1:z:173:LYS:HB2	1:z:176:THR:HG22	1.87	0.57
1:B:173:LYS:HB2	1:B:176:THR:HG22	1.87	0.57
1:B:239:VAL:HG13	1:B:268:MET:CE	2.34	0.57
1:C:230:PHE:CD2	1:C:330:TYR:CE1	2.93	0.57
1:D:173:LYS:HB2	1:D:176:THR:HG22	1.87	0.57
1:D:239:VAL:HG13	1:D:268:MET:CE	2.34	0.57
1:I:243:ASN:ND2	1:I:246:MET:CG	2.67	0.57
1:J:322:ASN:ND2	1:L:165:GLN:OE1	2.38	0.57
1:K:173:LYS:HB2	1:K:176:THR:HG22	1.87	0.57
1:M:230:PHE:CD2	1:M:330:TYR:CE1	2.93	0.57
1:Q:230:PHE:CD2	1:Q:330:TYR:CE1	2.93	0.57
1:T:230:PHE:CD2	1:T:330:TYR:CE1	2.93	0.57
1:X:239:VAL:HG13	1:X:268:MET:CE	2.34	0.57
1:8:80:MET:SD	1:8:192:THR:OG1	2.61	0.57
1:3:322:ASN:ND2	1:b:165:GLN:OE1	2.37	0.57
1:b:239:VAL:HG13	1:b:268:MET:CE	2.34	0.57
1:b:249:VAL:HG23	1:b:328:GLN:HB3	1.87	0.57
1:c:249:VAL:HG23	1:c:328:GLN:HB3	1.87	0.57
1:d:322:ASN:ND2	1:e:165:GLN:OE1	2.38	0.57
1:f:285:PHE:HE1	1:h:148:THR:HA	1.69	0.57
1:g:230:PHE:CD2	1:g:330:TYR:CE1	2.93	0.57
1:h:80:MET:SD	1:h:192:THR:OG1	2.61	0.57
1:j:230:PHE:CD2	1:j:330:TYR:CE1	2.93	0.57
1:k:322:ASN:ND2	1:l:165:GLN:OE1	2.38	0.57
1:l:322:ASN:ND2	1:m:165:GLN:OE1	2.38	0.57
1:w:165:GLN:OE1	1:x:322:ASN:ND2	2.38	0.57
1:z:239:VAL:HG13	1:z:268:MET:CE	2.34	0.57
1:C:80:MET:SD	1:C:192:THR:OG1	2.61	0.57
1:C:249:VAL:HG23	1:C:328:GLN:HB3	1.87	0.57
1:H:322:ASN:ND2	1:W:165:GLN:OE1	2.38	0.57
1:K:243:ASN:ND2	1:K:246:MET:CG	2.67	0.57
1:P:270:GLY:CA	1:P:346:PHE:CD1	2.87	0.57
1:T:80:MET:SD	1:T:192:THR:OG1	2.61	0.57
1:U:249:VAL:HG23	1:U:328:GLN:HB3	1.87	0.57
1:Z:285:PHE:HE1	1:8:148:THR:HA	1.69	0.57

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7:173:LYS:HB2	1:7:176:THR:HG22	1.87	0.57
1:7:249:VAL:HG23	1:7:328:GLN:HB3	1.87	0.57
1:6:165:GLN:OE1	1:j:322:ASN:ND2	2.38	0.57
1:g:173:LYS:HB2	1:g:176:THR:HG22	1.87	0.57
1:i:230:PHE:CD2	1:i:330:TYR:CE1	2.93	0.57
1:k:239:VAL:HG13	1:k:268:MET:CE	2.34	0.57
1:n:249:VAL:HG23	1:n:328:GLN:HB3	1.87	0.57
1:o:230:PHE:CD2	1:o:330:TYR:CE1	2.93	0.57
1:x:80:MET:SD	1:x:192:THR:OG1	2.61	0.57
1:y:80:MET:SD	1:y:192:THR:OG1	2.61	0.57
1:I:230:PHE:CD2	1:I:330:TYR:CE1	2.93	0.57
1:N:243:ASN:ND2	1:N:246:MET:CG	2.67	0.57
1:O:230:PHE:CD2	1:O:330:TYR:CE1	2.93	0.57
1:P:80:MET:SD	1:P:192:THR:OG1	2.61	0.57
1:S:270:GLY:CA	1:S:346:PHE:CD1	2.87	0.57
1:T:158:ILE:HG12	1:T:210:TYR:CD1	2.40	0.57
1:Y:266:ARG:NH2	1:Y:360:GLY:O	2.30	0.57
1:6:173:LYS:HB2	1:6:176:THR:HG22	1.87	0.57
1:6:249:VAL:HG23	1:6:328:GLN:HB3	1.87	0.57
1:e:239:VAL:HG13	1:e:268:MET:CE	2.34	0.57
1:i:322:ASN:ND2	1:j:165:GLN:OE1	2.38	0.57
1:j:249:VAL:HG23	1:j:328:GLN:HB3	1.87	0.57
1:n:239:VAL:HG13	1:n:268:MET:CE	2.34	0.57
1:r:230:PHE:CD2	1:r:330:TYR:CE1	2.93	0.57
1:t:249:VAL:HG23	1:t:328:GLN:HB3	1.87	0.57
1:x:158:ILE:HG12	1:x:210:TYR:CD1	2.40	0.57
1:y:322:ASN:ND2	1:z:165:GLN:OE1	2.38	0.57
1:1:243:ASN:ND2	1:1:246:MET:CG	2.67	0.57
1:2:230:PHE:CD2	1:2:330:TYR:CE1	2.93	0.57
1:A:230:PHE:CD2	1:A:330:TYR:CE1	2.93	0.56
1:D:165:GLN:OE1	1:P:322:ASN:ND2	2.38	0.56
1:G:158:ILE:HG12	1:G:210:TYR:CD1	2.40	0.56
1:J:158:ILE:HG12	1:J:210:TYR:CD1	2.40	0.56
1:O:249:VAL:HG23	1:O:328:GLN:HB3	1.87	0.56
1:S:158:ILE:HG12	1:S:210:TYR:CD1	2.40	0.56
1:S:173:LYS:HB2	1:S:176:THR:HG22	1.87	0.56
1:W:239:VAL:HG13	1:W:268:MET:CE	2.34	0.56
1:X:165:GLN:OE1	1:4:322:ASN:ND2	2.38	0.56
1:Y:158:ILE:HG12	1:Y:210:TYR:CD1	2.40	0.56
1:Z:239:VAL:HG13	1:Z:268:MET:CE	2.34	0.56
1:7:106:HIS:O	1:6:312:ASN:ND2	2.37	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7:230:PHE:CD2	1:7:330:TYR:CE1	2.93	0.56
1:5:239:VAL:HG13	1:5:268:MET:CE	2.34	0.56
1:c:158:ILE:HG12	1:c:210:TYR:CD1	2.40	0.56
1:d:239:VAL:HG13	1:d:268:MET:CE	2.34	0.56
1:g:243:ASN:ND2	1:g:246:MET:CG	2.67	0.56
1:l:158:ILE:HG12	1:l:210:TYR:CD1	2.40	0.56
1:l:239:VAL:HG13	1:l:268:MET:CE	2.34	0.56
1:v:158:ILE:HG12	1:v:210:TYR:CD1	2.40	0.56
1:y:158:ILE:HG12	1:y:210:TYR:CD1	2.40	0.56
1:y:165:GLN:OE1	1:1:322:ASN:ND2	2.38	0.56
1:y:270:GLY:CA	1:y:346:PHE:CD1	2.87	0.56
1:A:158:ILE:HG12	1:A:210:TYR:CD1	2.40	0.56
1:C:165:GLN:OE1	1:M:322:ASN:ND2	2.39	0.56
1:E:239:VAL:HG13	1:E:268:MET:CE	2.34	0.56
1:G:80:MET:SD	1:G:192:THR:OG1	2.61	0.56
1:G:266:ARG:NH2	1:G:360:GLY:O	2.30	0.56
1:H:165:GLN:OE1	1:Y:322:ASN:ND2	2.38	0.56
1:J:239:VAL:HG13	1:J:268:MET:CE	2.34	0.56
1:K:182:SER:OG	1:K:187:ASP:OD2	2.23	0.56
1:P:158:ILE:HG12	1:P:210:TYR:CD1	2.40	0.56
1:R:165:GLN:OE1	1:U:322:ASN:ND2	2.38	0.56
1:U:158:ILE:HG12	1:U:210:TYR:CD1	2.40	0.56
1:X:158:ILE:HG12	1:X:210:TYR:CD1	2.40	0.56
1:Z:158:ILE:HG12	1:Z:210:TYR:CD1	2.40	0.56
1:Z:243:ASN:ND2	1:Z:246:MET:CG	2.67	0.56
1:7:158:ILE:HG12	1:7:210:TYR:CD1	2.41	0.56
1:6:158:ILE:HG12	1:6:210:TYR:CD1	2.40	0.56
1:b:158:ILE:HG12	1:b:210:TYR:CD1	2.40	0.56
1:f:239:VAL:HG13	1:f:268:MET:CE	2.34	0.56
1:g:322:ASN:ND2	1:h:165:GLN:OE1	2.38	0.56
1:k:312:ASN:ND2	1:r:106:HIS:O	2.36	0.56
1:q:80:MET:SD	1:q:192:THR:OG1	2.61	0.56
1:q:158:ILE:HG12	1:q:210:TYR:CD1	2.40	0.56
1:q:165:GLN:OE1	1:s:322:ASN:ND2	2.38	0.56
1:q:230:PHE:CD2	1:q:330:TYR:CE1	2.93	0.56
1:r:173:LYS:HB2	1:r:176:THR:HG22	1.87	0.56
1:s:158:ILE:HG12	1:s:210:TYR:CD1	2.40	0.56
1:s:230:PHE:CD2	1:s:330:TYR:CE1	2.93	0.56
1:t:158:ILE:HG12	1:t:210:TYR:CD1	2.40	0.56
1:t:322:ASN:ND2	1:u:165:GLN:OE1	2.38	0.56
1:u:322:ASN:ND2	1:v:165:GLN:OE1	2.38	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:v:173:LYS:HB2	1:v:176:THR:HG22	1.87	0.56
1:v:270:GLY:CA	1:v:346:PHE:CD1	2.87	0.56
1:w:230:PHE:CD2	1:w:330:TYR:CE1	2.93	0.56
1:x:122:THR:CG2	1:x:123:LYS:N	2.48	0.56
1:2:249:VAL:HG23	1:2:328:GLN:HB3	1.87	0.56
1:A:239:VAL:HG13	1:A:268:MET:CE	2.34	0.56
1:A:322:ASN:ND2	1:G:165:GLN:OE1	2.38	0.56
1:B:270:GLY:CA	1:B:346:PHE:CD1	2.87	0.56
1:B:312:ASN:ND2	1:I:106:HIS:O	2.36	0.56
1:E:158:ILE:HG12	1:E:210:TYR:CD1	2.40	0.56
1:F:165:GLN:OE1	1:Q:322:ASN:ND2	2.38	0.56
1:F:243:ASN:ND2	1:F:246:MET:CG	2.67	0.56
1:G:322:ASN:ND2	1:I:165:GLN:OE1	2.38	0.56
1:I:173:LYS:HB2	1:I:176:THR:HG22	1.87	0.56
1:J:80:MET:SD	1:J:192:THR:OG1	2.61	0.56
1:K:270:GLY:CA	1:K:346:PHE:CD1	2.87	0.56
1:K:322:ASN:ND2	1:8:165:GLN:OE1	2.38	0.56
1:L:173:LYS:HB2	1:L:176:THR:HG22	1.87	0.56
1:L:230:PHE:CD2	1:L:330:TYR:CE1	2.93	0.56
1:N:158:ILE:HG12	1:N:210:TYR:CD1	2.40	0.56
1:N:322:ASN:ND2	1:P:165:GLN:OE1	2.38	0.56
1:P:230:PHE:CD2	1:P:330:TYR:CE1	2.93	0.56
1:R:230:PHE:CD2	1:R:330:TYR:CE1	2.93	0.56
1:R:322:ASN:ND2	1:S:165:GLN:OE1	2.38	0.56
1:S:249:VAL:HG23	1:S:328:GLN:HB3	1.87	0.56
1:S:266:ARG:NH2	1:S:360:GLY:O	2.29	0.56
1:T:122:THR:CG2	1:T:123:LYS:N	2.48	0.56
1:T:173:LYS:HB2	1:T:176:THR:HG22	1.87	0.56
1:U:230:PHE:CD2	1:U:330:TYR:CE1	2.93	0.56
1:W:230:PHE:CD2	1:W:330:TYR:CE1	2.93	0.56
1:X:80:MET:SD	1:X:192:THR:OG1	2.61	0.56
1:X:230:PHE:CD2	1:X:330:TYR:CE1	2.93	0.56
1:Y:230:PHE:CD2	1:Y:330:TYR:CE1	2.93	0.56
1:Z:230:PHE:CD2	1:Z:330:TYR:CE1	2.93	0.56
1:8:249:VAL:HG23	1:8:328:GLN:HB3	1.87	0.56
1:6:40:SER:O	1:i:212:LYS:NZ	2.33	0.56
1:6:230:PHE:CD2	1:6:330:TYR:CE1	2.93	0.56
1:6:322:ASN:ND2	1:i:165:GLN:OE1	2.38	0.56
1:5:230:PHE:CD2	1:5:330:TYR:CE1	2.93	0.56
1:5:322:ASN:ND2	1:f:165:GLN:OE1	2.38	0.56
1:b:80:MET:SD	1:b:192:THR:OG1	2.61	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:b:230:PHE:CD2	1:b:330:TYR:CE1	2.93	0.56
1:c:230:PHE:CD2	1:c:330:TYR:CE1	2.93	0.56
1:c:266:ARG:NH2	1:c:360:GLY:O	2.30	0.56
1:c:322:ASN:ND2	1:d:165:GLN:OE1	2.38	0.56
1:f:158:ILE:HG12	1:f:210:TYR:CD1	2.40	0.56
1:f:230:PHE:CD2	1:f:330:TYR:CE1	2.93	0.56
1:f:243:ASN:ND2	1:f:246:MET:CG	2.67	0.56
1:g:270:GLY:CA	1:g:346:PHE:CD1	2.87	0.56
1:h:158:ILE:HG12	1:h:210:TYR:CD1	2.40	0.56
1:h:249:VAL:HG23	1:h:328:GLN:HB3	1.87	0.56
1:j:80:MET:SD	1:j:192:THR:OG1	2.61	0.56
1:j:158:ILE:HG12	1:j:210:TYR:CD1	2.40	0.56
1:k:230:PHE:CD2	1:k:330:TYR:CE1	2.93	0.56
1:m:230:PHE:CD2	1:m:330:TYR:CE1	2.93	0.56
1:q:266:ARG:NH2	1:q:360:GLY:O	2.29	0.56
1:q:322:ASN:ND2	1:r:165:GLN:OE1	2.38	0.56
1:t:230:PHE:CD2	1:t:330:TYR:CE1	2.93	0.56
1:u:230:PHE:CD2	1:u:330:TYR:CE1	2.93	0.56
1:w:239:VAL:HG13	1:w:268:MET:CE	2.34	0.56
1:1:158:ILE:HG12	1:1:210:TYR:CD1	2.40	0.56
1:B:230:PHE:CD2	1:B:330:TYR:CE1	2.93	0.56
1:B:249:VAL:HG23	1:B:328:GLN:HB3	1.87	0.56
1:D:230:PHE:CD2	1:D:330:TYR:CE1	2.93	0.56
1:G:230:PHE:CD2	1:G:330:TYR:CE1	2.93	0.56
1:V:173:LYS:HB2	1:V:176:THR:HG22	1.87	0.56
1:Z:165:GLN:OE1	1:w:322:ASN:ND2	2.38	0.56
1:8:158:ILE:HG12	1:8:210:TYR:CD1	2.41	0.56
1:7:148:THR:HA	1:i:285:PHE:HE1	1.70	0.56
1:5:243:ASN:ND2	1:5:246:MET:CG	2.67	0.56
1:4:230:PHE:CD2	1:4:330:TYR:CE1	2.93	0.56
1:a:173:LYS:HB2	1:a:176:THR:HG22	1.87	0.56
1:e:230:PHE:CD2	1:e:330:TYR:CE1	2.93	0.56
1:v:249:VAL:HG23	1:v:328:GLN:HB3	1.87	0.56
1:x:173:LYS:HB2	1:x:176:THR:HG22	1.87	0.56
1:B:158:ILE:HG12	1:B:210:TYR:CD1	2.40	0.56
1:B:165:GLN:OE1	1:L:322:ASN:ND2	2.38	0.56
1:C:158:ILE:HG12	1:C:210:TYR:CD1	2.41	0.56
1:F:249:VAL:HG23	1:F:328:GLN:HB3	1.87	0.56
1:N:249:VAL:HG23	1:N:328:GLN:HB3	1.87	0.56
1:P:239:VAL:HG13	1:P:268:MET:CE	2.34	0.56
1:S:230:PHE:CD2	1:S:330:TYR:CE1	2.93	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:V:249:VAL:HG23	1:V:328:GLN:HB3	1.87	0.56
1:W:322:ASN:ND2	1:Y:165:GLN:OE1	2.38	0.56
1:8:243:ASN:ND2	1:8:246:MET:CG	2.67	0.56
1:3:230:PHE:CD2	1:3:330:TYR:CE1	2.93	0.56
1:c:165:GLN:OE1	1:e:322:ASN:ND2	2.38	0.56
1:e:158:ILE:HG12	1:e:210:TYR:CD1	2.40	0.56
1:i:249:VAL:HG23	1:i:328:GLN:HB3	1.87	0.56
1:k:165:GLN:OE1	1:m:322:ASN:ND2	2.38	0.56
1:k:270:GLY:CA	1:k:346:PHE:CD1	2.87	0.56
1:l:80:MET:SD	1:l:192:THR:OG1	2.61	0.56
1:m:173:LYS:HB2	1:m:176:THR:HG22	1.87	0.56
1:n:158:ILE:HG12	1:n:210:TYR:CD1	2.41	0.56
1:p:230:PHE:CD2	1:p:330:TYR:CE1	2.93	0.56
1:p:243:ASN:ND2	1:p:246:MET:CG	2.67	0.56
1:p:249:VAL:HG23	1:p:328:GLN:HB3	1.87	0.56
1:s:239:VAL:HG13	1:s:268:MET:CE	2.34	0.56
1:y:230:PHE:CD2	1:y:330:TYR:CE1	2.93	0.56
1:z:230:PHE:CD2	1:z:330:TYR:CE1	2.93	0.56
1:F:230:PHE:CD2	1:F:330:TYR:CE1	2.93	0.56
1:K:158:ILE:HG12	1:K:210:TYR:CD1	2.40	0.56
1:M:249:VAL:HG23	1:M:328:GLN:HB3	1.87	0.56
1:P:173:LYS:HB2	1:P:176:THR:HG22	1.87	0.56
1:6:270:GLY:CA	1:6:346:PHE:CD1	2.87	0.56
1:5:173:LYS:HB2	1:5:176:THR:HG22	1.86	0.56
1:5:249:VAL:HG23	1:5:328:GLN:HB3	1.87	0.56
1:3:158:ILE:HG12	1:3:210:TYR:CD1	2.40	0.56
1:a:165:GLN:OE1	1:b:322:ASN:ND2	2.38	0.56
1:a:249:VAL:HG23	1:a:328:GLN:HB3	1.87	0.56
1:h:243:ASN:ND2	1:h:246:MET:CG	2.67	0.56
1:k:158:ILE:HG12	1:k:210:TYR:CD1	2.40	0.56
1:k:249:VAL:HG23	1:k:328:GLN:HB3	1.87	0.56
1:n:230:PHE:CD2	1:n:330:TYR:CE1	2.93	0.56
1:o:158:ILE:HG12	1:o:210:TYR:CD1	2.40	0.56
1:t:165:GLN:OE1	1:v:322:ASN:ND2	2.38	0.56
1:u:173:LYS:HB2	1:u:176:THR:HG22	1.87	0.56
1:v:230:PHE:CD2	1:v:330:TYR:CE1	2.93	0.56
1:v:266:ARG:NH2	1:v:360:GLY:O	2.29	0.56
1:w:158:ILE:HG12	1:w:210:TYR:CD1	2.40	0.56
1:w:173:LYS:HB2	1:w:176:THR:HG22	1.87	0.56
1:w:243:ASN:ND2	1:w:246:MET:CG	2.67	0.56
1:w:249:VAL:HG23	1:w:328:GLN:HB3	1.87	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:y:239:VAL:HG13	1:y:268:MET:CE	2.34	0.56
1:1:249:VAL:HG23	1:1:328:GLN:HB3	1.87	0.56
1:2:266:ARG:NH2	1:2:360:GLY:O	2.29	0.56
1:E:230:PHE:CD2	1:E:330:TYR:CE1	2.93	0.56
1:H:230:PHE:CD2	1:H:330:TYR:CE1	2.93	0.56
1:J:249:VAL:HG23	1:J:328:GLN:HB3	1.87	0.56
1:Q:158:ILE:HG12	1:Q:210:TYR:CD1	2.41	0.56
1:R:173:LYS:HB2	1:R:176:THR:HG22	1.87	0.56
1:R:249:VAL:HG23	1:R:328:GLN:HB3	1.87	0.56
1:S:322:ASN:ND2	1:U:165:GLN:OE1	2.38	0.56
1:U:80:MET:SD	1:U:192:THR:OG1	2.61	0.56
1:V:165:GLN:OE1	1:X:322:ASN:ND2	2.38	0.56
1:W:158:ILE:HG12	1:W:210:TYR:CD1	2.40	0.56
1:5:158:ILE:HG12	1:5:210:TYR:CD1	2.40	0.56
1:5:266:ARG:NH2	1:5:360:GLY:O	2.29	0.56
1:d:230:PHE:CD2	1:d:330:TYR:CE1	2.93	0.56
1:g:158:ILE:HG12	1:g:210:TYR:CD1	2.40	0.56
1:h:230:PHE:CD2	1:h:330:TYR:CE1	2.93	0.56
1:i:173:LYS:HB2	1:i:176:THR:HG22	1.87	0.56
1:t:243:ASN:ND2	1:t:246:MET:CG	2.67	0.56
1:2:173:LYS:HB2	1:2:176:THR:HG22	1.87	0.56
1:E:165:GLN:OE1	1:F:322:ASN:ND2	2.38	0.56
1:J:173:LYS:HB2	1:J:176:THR:HG22	1.87	0.56
1:O:173:LYS:HB2	1:O:176:THR:HG22	1.87	0.56
1:R:243:ASN:ND2	1:R:246:MET:CG	2.67	0.56
1:U:243:ASN:ND2	1:U:246:MET:CG	2.67	0.56
1:8:230:PHE:CD2	1:8:330:TYR:CE1	2.93	0.56
1:7:270:GLY:CA	1:7:346:PHE:CD1	2.87	0.56
1:4:158:ILE:HG12	1:4:210:TYR:CD1	2.41	0.56
1:e:249:VAL:HG23	1:e:328:GLN:HB3	1.87	0.56
1:l:249:VAL:HG23	1:l:328:GLN:HB3	1.87	0.56
1:y:173:LYS:HB2	1:y:176:THR:HG22	1.87	0.56
1:B:243:ASN:ND2	1:B:246:MET:CG	2.67	0.56
1:I:158:ILE:HG12	1:I:210:TYR:CD1	2.41	0.56
1:L:249:VAL:HG23	1:L:328:GLN:HB3	1.87	0.56
1:M:173:LYS:HB2	1:M:176:THR:HG22	1.87	0.56
1:a:158:ILE:HG12	1:a:210:TYR:CD1	2.40	0.56
1:j:270:GLY:CA	1:j:346:PHE:CD1	2.87	0.56
1:l:173:LYS:HB2	1:l:176:THR:HG22	1.87	0.56
1:m:270:GLY:CA	1:m:346:PHE:CD1	2.87	0.56
1:n:80:MET:SD	1:n:192:THR:OG1	2.61	0.56

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:n:165:GLN:OE1	1:p:322:ASN:ND2	2.38	0.56
1:u:249:VAL:HG23	1:u:328:GLN:HB3	1.87	0.56
1:D:266:ARG:NH2	1:D:360:GLY:O	2.29	0.56
1:E:266:ARG:NH2	1:E:360:GLY:O	2.30	0.56
1:G:173:LYS:HB2	1:G:176:THR:HG22	1.87	0.56
1:H:158:ILE:HG12	1:H:210:TYR:CD1	2.40	0.56
1:O:165:GLN:OE1	1:h:322:ASN:ND2	2.38	0.56
1:O:266:ARG:NH2	1:O:360:GLY:O	2.29	0.56
1:V:158:ILE:HG12	1:V:210:TYR:CD1	2.40	0.56
1:W:249:VAL:HG23	1:W:328:GLN:HB3	1.87	0.56
1:8:322:ASN:ND2	1:2:165:GLN:OE1	2.38	0.56
1:a:230:PHE:CD2	1:a:330:TYR:CE1	2.93	0.56
1:l:270:GLY:CA	1:l:346:PHE:CD1	2.87	0.56
1:n:266:ARG:NH2	1:n:360:GLY:O	2.29	0.56
1:o:173:LYS:HB2	1:o:176:THR:HG22	1.87	0.56
1:o:322:ASN:ND2	1:p:165:GLN:OE1	2.39	0.56
1:q:249:VAL:HG23	1:q:328:GLN:HB3	1.87	0.56
1:r:158:ILE:HG12	1:r:210:TYR:CD1	2.41	0.56
1:t:40:SER:O	1:u:212:LYS:NZ	2.33	0.56
1:t:80:MET:SD	1:t:192:THR:OG1	2.61	0.56
1:u:243:ASN:ND2	1:u:246:MET:CG	2.66	0.56
1:y:249:VAL:HG23	1:y:328:GLN:HB3	1.87	0.56
1:1:230:PHE:CD2	1:1:330:TYR:CE1	2.93	0.56
1:A:165:GLN:OE1	1:I:322:ASN:ND2	2.38	0.55
1:D:158:ILE:HG12	1:D:210:TYR:CD1	2.40	0.55
1:D:249:VAL:HG23	1:D:328:GLN:HB3	1.87	0.55
1:G:249:VAL:HG23	1:G:328:GLN:HB3	1.87	0.55
1:G:269:ALA:HA	1:G:348:PRO:HB3	1.89	0.55
1:H:173:LYS:HB2	1:H:176:THR:HG22	1.87	0.55
1:J:270:GLY:CA	1:J:346:PHE:CD1	2.87	0.55
1:L:158:ILE:HG12	1:L:210:TYR:CD1	2.41	0.55
1:N:230:PHE:CD2	1:N:330:TYR:CE1	2.93	0.55
1:O:322:ASN:ND2	1:g:165:GLN:OE1	2.38	0.55
1:P:249:VAL:HG23	1:P:328:GLN:HB3	1.87	0.55
1:S:269:ALA:HA	1:S:348:PRO:HB3	1.88	0.55
1:T:165:GLN:OE1	1:f:322:ASN:ND2	2.38	0.55
1:T:182:SER:OG	1:T:187:ASP:OD2	2.23	0.55
1:V:230:PHE:CD2	1:V:330:TYR:CE1	2.93	0.55
1:5:269:ALA:HA	1:5:348:PRO:HB3	1.89	0.55
1:3:80:MET:SD	1:3:192:THR:OG1	2.61	0.55
1:3:165:GLN:OE1	1:a:322:ASN:ND2	2.38	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:d:158:ILE:HG12	1:d:210:TYR:CD1	2.40	0.55
1:d:173:LYS:HB2	1:d:176:THR:HG22	1.87	0.55
1:g:269:ALA:HA	1:g:348:PRO:HB3	1.88	0.55
1:k:243:ASN:ND2	1:k:246:MET:CG	2.67	0.55
1:m:158:ILE:HG12	1:m:210:TYR:CD1	2.40	0.55
1:m:249:VAL:HG23	1:m:328:GLN:HB3	1.87	0.55
1:v:269:ALA:HA	1:v:348:PRO:HB3	1.88	0.55
1:x:182:SER:OG	1:x:187:ASP:OD2	2.23	0.55
1:2:158:ILE:HG12	1:2:210:TYR:CD1	2.40	0.55
1:G:122:THR:CG2	1:G:123:LYS:H	1.93	0.55
1:K:165:GLN:OE1	1:2:322:ASN:ND2	2.38	0.55
1:K:269:ALA:HA	1:K:348:PRO:HB3	1.89	0.55
1:L:270:GLY:CA	1:L:346:PHE:CD1	2.87	0.55
1:O:158:ILE:HG12	1:O:210:TYR:CD1	2.40	0.55
1:Q:173:LYS:HB2	1:Q:176:THR:HG22	1.87	0.55
1:T:249:VAL:HG23	1:T:328:GLN:HB3	1.87	0.55
1:T:269:ALA:HA	1:T:348:PRO:HB3	1.89	0.55
1:3:266:ARG:NH2	1:3:360:GLY:O	2.29	0.55
1:o:80:MET:SD	1:o:192:THR:OG1	2.61	0.55
1:q:173:LYS:HB2	1:q:176:THR:HG22	1.87	0.55
1:r:322:ASN:ND2	1:s:165:GLN:OE1	2.38	0.55
1:w:266:ARG:NH2	1:w:360:GLY:O	2.29	0.55
1:w:269:ALA:HA	1:w:348:PRO:HB3	1.89	0.55
1:x:249:VAL:HG23	1:x:328:GLN:HB3	1.87	0.55
1:x:269:ALA:HA	1:x:348:PRO:HB3	1.89	0.55
1:z:249:VAL:HG23	1:z:328:GLN:HB3	1.87	0.55
1:E:269:ALA:HA	1:E:348:PRO:HB3	1.89	0.55
1:F:158:ILE:HG12	1:F:210:TYR:CD1	2.40	0.55
1:R:158:ILE:HG12	1:R:210:TYR:CD1	2.41	0.55
1:Z:173:LYS:HB2	1:Z:176:THR:HG22	1.87	0.55
1:Z:322:ASN:ND2	1:x:165:GLN:OE1	2.39	0.55
1:8:270:GLY:CA	1:8:346:PHE:CD1	2.87	0.55
1:b:243:ASN:ND2	1:b:246:MET:CG	2.67	0.55
1:f:173:LYS:HB2	1:f:176:THR:HG22	1.87	0.55
1:h:269:ALA:HA	1:h:348:PRO:HB3	1.88	0.55
1:p:158:ILE:HG12	1:p:210:TYR:CD1	2.40	0.55
1:q:269:ALA:HA	1:q:348:PRO:HB3	1.89	0.55
1:u:158:ILE:HG12	1:u:210:TYR:CD1	2.40	0.55
1:z:158:ILE:HG12	1:z:210:TYR:CD1	2.40	0.55
1:A:80:MET:SD	1:A:192:THR:OG1	2.61	0.55
1:C:266:ARG:NH2	1:C:360:GLY:O	2.29	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:266:ARG:NH2	1:J:360:GLY:O	2.29	0.55
1:M:158:ILE:HG12	1:M:210:TYR:CD1	2.40	0.55
1:P:269:ALA:HA	1:P:348:PRO:HB3	1.89	0.55
1:R:270:GLY:CA	1:R:346:PHE:CD1	2.87	0.55
1:T:212:LYS:NZ	1:f:40:SER:O	2.33	0.55
1:4:269:ALA:HA	1:4:348:PRO:HB3	1.89	0.55
1:b:269:ALA:HA	1:b:348:PRO:HB3	1.89	0.55
1:e:269:ALA:HA	1:e:348:PRO:HB3	1.89	0.55
1:j:266:ARG:NH2	1:j:360:GLY:O	2.29	0.55
1:n:269:ALA:HA	1:n:348:PRO:HB3	1.89	0.55
1:x:266:ARG:NH2	1:x:360:GLY:O	2.30	0.55
1:y:269:ALA:HA	1:y:348:PRO:HB3	1.89	0.55
1:J:243:ASN:ND2	1:J:246:MET:CG	2.67	0.55
1:R:212:LYS:NZ	1:U:40:SER:O	2.34	0.55
1:V:269:ALA:HA	1:V:348:PRO:HB3	1.89	0.55
1:V:322:ASN:ND2	1:4:165:GLN:OE1	2.38	0.55
1:8:269:ALA:HA	1:8:348:PRO:HB3	1.89	0.55
1:h:270:GLY:CA	1:h:346:PHE:CD1	2.87	0.55
1:i:158:ILE:HG12	1:i:210:TYR:CD1	2.40	0.55
1:z:266:ARG:NH2	1:z:360:GLY:O	2.30	0.55
1:L:269:ALA:HA	1:L:348:PRO:HB3	1.89	0.55
1:W:269:ALA:HA	1:W:348:PRO:HB3	1.89	0.55
1:X:243:ASN:ND2	1:X:246:MET:CG	2.67	0.55
1:X:269:ALA:HA	1:X:348:PRO:HB3	1.89	0.55
1:Z:40:SER:O	1:x:212:LYS:NZ	2.33	0.55
1:Z:270:GLY:CA	1:Z:346:PHE:CD1	2.87	0.55
1:3:269:ALA:HA	1:3:348:PRO:HB3	1.89	0.55
1:a:269:ALA:HA	1:a:348:PRO:HB3	1.89	0.55
1:f:249:VAL:HG23	1:f:328:GLN:HB3	1.87	0.55
1:f:269:ALA:HA	1:f:348:PRO:HB3	1.89	0.55
1:l:243:ASN:ND2	1:l:246:MET:CG	2.67	0.55
1:m:269:ALA:HA	1:m:348:PRO:HB3	1.89	0.55
1:s:80:MET:SD	1:s:192:THR:OG1	2.61	0.55
1:B:269:ALA:HA	1:B:348:PRO:HB3	1.89	0.55
1:L:230:PHE:CE2	1:L:330:TYR:CE1	2.95	0.55
1:T:266:ARG:NH2	1:T:360:GLY:O	2.29	0.55
1:X:270:GLY:CA	1:X:346:PHE:CD1	2.87	0.55
1:Z:249:VAL:HG23	1:Z:328:GLN:HB3	1.87	0.55
1:Z:269:ALA:HA	1:Z:348:PRO:HB3	1.89	0.55
1:4:80:MET:SD	1:4:192:THR:OG1	2.61	0.55
1:b:270:GLY:CA	1:b:346:PHE:CD1	2.87	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:k:269:ALA:HA	1:k:348:PRO:HB3	1.89	0.55
1:u:270:GLY:CA	1:u:346:PHE:CD1	2.87	0.55
1:B:122:THR:CG2	1:B:123:LYS:H	1.93	0.55
1:D:270:GLY:CA	1:D:346:PHE:CD1	2.87	0.55
1:F:230:PHE:CE2	1:F:330:TYR:CE1	2.95	0.55
1:P:230:PHE:CE2	1:P:330:TYR:CE1	2.95	0.55
1:Y:230:PHE:CE2	1:Y:330:TYR:CE1	2.95	0.55
1:Z:230:PHE:CE2	1:Z:330:TYR:CE1	2.95	0.55
1:c:230:PHE:CE2	1:c:330:TYR:CE1	2.95	0.55
1:l:266:ARG:NH2	1:l:360:GLY:O	2.29	0.55
1:m:230:PHE:CE2	1:m:330:TYR:CE1	2.95	0.55
1:q:122:THR:CG2	1:q:123:LYS:H	1.93	0.55
1:w:230:PHE:CE2	1:w:330:TYR:CE1	2.95	0.55
1:y:237:ALA:HA	1:y:333:LEU:HA	1.89	0.55
1:y:266:ARG:NH2	1:y:360:GLY:O	2.30	0.55
1:I:230:PHE:CE2	1:I:330:TYR:CE1	2.95	0.55
1:N:269:ALA:HA	1:N:348:PRO:HB3	1.89	0.55
1:S:230:PHE:CE2	1:S:330:TYR:CE1	2.95	0.55
1:T:230:PHE:CE2	1:T:330:TYR:CE1	2.95	0.55
1:U:230:PHE:CE2	1:U:330:TYR:CE1	2.95	0.55
1:V:80:MET:SD	1:V:192:THR:OG1	2.61	0.55
1:V:237:ALA:HA	1:V:333:LEU:HA	1.89	0.55
1:W:133:LEU:N	1:W:213:GLN:HE21	1.97	0.55
1:5:230:PHE:CE2	1:5:330:TYR:CE1	2.95	0.55
1:4:230:PHE:CE2	1:4:330:TYR:CE1	2.95	0.55
1:3:169:LYS:HE2	1:3:345:GLN:HE21	1.72	0.55
1:f:230:PHE:CE2	1:f:330:TYR:CE1	2.95	0.55
1:f:270:GLY:CA	1:f:346:PHE:CD1	2.87	0.55
1:g:80:MET:SD	1:g:192:THR:OG1	2.61	0.55
1:p:230:PHE:CE2	1:p:330:TYR:CE1	2.95	0.55
1:r:230:PHE:CE2	1:r:330:TYR:CE1	2.95	0.55
1:v:230:PHE:CE2	1:v:330:TYR:CE1	2.95	0.55
1:x:230:PHE:CE2	1:x:330:TYR:CE1	2.95	0.55
1:y:230:PHE:CE2	1:y:330:TYR:CE1	2.95	0.55
1:1:269:ALA:HA	1:1:348:PRO:HB3	1.89	0.55
1:F:269:ALA:HA	1:F:348:PRO:HB3	1.88	0.55
1:G:40:SER:O	1:I:212:LYS:NZ	2.34	0.55
1:I:266:ARG:NH2	1:I:360:GLY:O	2.29	0.55
1:K:230:PHE:CE2	1:K:330:TYR:CE1	2.95	0.55
1:M:237:ALA:HA	1:M:333:LEU:HA	1.89	0.55
1:P:237:ALA:HA	1:P:333:LEU:HA	1.89	0.55

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:R:80:MET:SD	1:R:192:THR:OG1	2.61	0.55
1:S:169:LYS:HE2	1:S:345:GLN:HE21	1.72	0.55
1:7:312:ASN:ND2	1:6:106:HIS:O	2.39	0.55
1:4:169:LYS:HE2	1:4:345:GLN:HE21	1.72	0.55
1:a:237:ALA:HA	1:a:333:LEU:HA	1.89	0.55
1:b:266:ARG:NH2	1:b:360:GLY:O	2.29	0.55
1:d:243:ASN:ND2	1:d:246:MET:CG	2.67	0.55
1:i:237:ALA:HA	1:i:333:LEU:HA	1.89	0.55
1:k:169:LYS:HE2	1:k:345:GLN:HE21	1.72	0.55
1:t:230:PHE:CE2	1:t:330:TYR:CE1	2.95	0.55
1:u:80:MET:SD	1:u:192:THR:OG1	2.61	0.55
1:v:237:ALA:HA	1:v:333:LEU:HA	1.89	0.55
1:z:270:GLY:CA	1:z:346:PHE:CD1	2.87	0.55
1:B:169:LYS:HE2	1:B:345:GLN:HE21	1.72	0.54
1:D:230:PHE:CE2	1:D:330:TYR:CE1	2.95	0.54
1:F:80:MET:SD	1:F:192:THR:OG1	2.61	0.54
1:O:269:ALA:HA	1:O:348:PRO:HB3	1.89	0.54
1:R:269:ALA:HA	1:R:348:PRO:HB3	1.89	0.54
1:S:237:ALA:HA	1:S:333:LEU:HA	1.89	0.54
1:Y:237:ALA:HA	1:Y:333:LEU:HA	1.89	0.54
1:Z:169:LYS:HE2	1:Z:345:GLN:HE21	1.72	0.54
1:5:237:ALA:HA	1:5:333:LEU:HA	1.89	0.54
1:3:230:PHE:CE2	1:3:330:TYR:CE1	2.95	0.54
1:f:169:LYS:HE2	1:f:345:GLN:HE21	1.72	0.54
1:g:230:PHE:CE2	1:g:330:TYR:CE1	2.95	0.54
1:h:169:LYS:HE2	1:h:345:GLN:HE21	1.72	0.54
1:i:169:LYS:HE2	1:i:345:GLN:HE21	1.72	0.54
1:m:243:ASN:ND2	1:m:246:MET:CG	2.67	0.54
1:p:269:ALA:HA	1:p:348:PRO:HB3	1.89	0.54
1:r:269:ALA:HA	1:r:348:PRO:HB3	1.88	0.54
1:u:269:ALA:HA	1:u:348:PRO:HB3	1.89	0.54
1:v:169:LYS:HE2	1:v:345:GLN:HE21	1.72	0.54
1:z:230:PHE:CE2	1:z:330:TYR:CE1	2.95	0.54
1:B:266:ARG:NH2	1:B:360:GLY:O	2.30	0.54
1:H:243:ASN:ND2	1:H:246:MET:CG	2.67	0.54
1:I:237:ALA:HA	1:I:333:LEU:HA	1.89	0.54
1:I:269:ALA:HA	1:I:348:PRO:HB3	1.89	0.54
1:M:80:MET:SD	1:M:192:THR:OG1	2.61	0.54
1:M:169:LYS:HE2	1:M:345:GLN:HE21	1.72	0.54
1:P:169:LYS:HE2	1:P:345:GLN:HE21	1.72	0.54
1:Q:266:ARG:NH2	1:Q:360:GLY:O	2.29	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:V:230:PHE:CE2	1:V:330:TYR:CE1	2.95	0.54
1:X:143:GLY:O	1:X:144:THR:OG1	2.25	0.54
1:X:237:ALA:HA	1:X:333:LEU:HA	1.89	0.54
1:3:40:SER:O	1:b:212:LYS:NZ	2.33	0.54
1:c:237:ALA:HA	1:c:333:LEU:HA	1.90	0.54
1:e:133:LEU:N	1:e:213:GLN:HE21	1.97	0.54
1:k:266:ARG:NH2	1:k:360:GLY:O	2.29	0.54
1:w:237:ALA:HA	1:w:333:LEU:HA	1.89	0.54
1:y:169:LYS:HE2	1:y:345:GLN:HE21	1.72	0.54
1:2:269:ALA:HA	1:2:348:PRO:HB3	1.89	0.54
1:E:230:PHE:CE2	1:E:330:TYR:CE1	2.95	0.54
1:G:270:GLY:CA	1:G:346:PHE:CD1	2.87	0.54
1:H:237:ALA:HA	1:H:333:LEU:HA	1.89	0.54
1:J:237:ALA:HA	1:J:333:LEU:HA	1.89	0.54
1:O:143:GLY:O	1:O:144:THR:OG1	2.25	0.54
1:P:266:ARG:NH2	1:P:360:GLY:O	2.30	0.54
1:W:270:GLY:CA	1:W:346:PHE:CD1	2.87	0.54
1:8:237:ALA:HA	1:8:333:LEU:HA	1.89	0.54
1:4:194:SER:N	1:4:197:ASN:O	2.40	0.54
1:a:230:PHE:CE2	1:a:330:TYR:CE1	2.95	0.54
1:b:237:ALA:HA	1:b:333:LEU:HA	1.89	0.54
1:k:122:THR:CG2	1:k:123:LYS:H	1.93	0.54
1:o:237:ALA:HA	1:o:333:LEU:HA	1.89	0.54
1:q:169:LYS:HE2	1:q:345:GLN:HE21	1.72	0.54
1:r:237:ALA:HA	1:r:333:LEU:HA	1.89	0.54
1:r:266:ARG:NH2	1:r:360:GLY:O	2.29	0.54
1:x:237:ALA:HA	1:x:333:LEU:HA	1.89	0.54
1:E:40:SER:O	1:Q:212:LYS:NZ	2.34	0.54
1:H:230:PHE:CE2	1:H:330:TYR:CE1	2.95	0.54
1:N:230:PHE:CE2	1:N:330:TYR:CE1	2.95	0.54
1:O:270:GLY:CA	1:O:346:PHE:CD1	2.87	0.54
1:Q:237:ALA:HA	1:Q:333:LEU:HA	1.89	0.54
1:R:40:SER:O	1:S:212:LYS:NZ	2.33	0.54
1:T:237:ALA:HA	1:T:333:LEU:HA	1.89	0.54
1:U:269:ALA:HA	1:U:348:PRO:HB3	1.89	0.54
1:W:237:ALA:HA	1:W:333:LEU:HA	1.89	0.54
1:X:230:PHE:CE2	1:X:330:TYR:CE1	2.95	0.54
1:X:266:ARG:NH2	1:X:360:GLY:O	2.29	0.54
1:8:169:LYS:HE2	1:8:345:GLN:HE21	1.72	0.54
1:a:80:MET:SD	1:a:192:THR:OG1	2.61	0.54
1:d:237:ALA:HA	1:d:333:LEU:HA	1.89	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:e:237:ALA:HA	1:e:333:LEU:HA	1.89	0.54
1:e:270:GLY:CA	1:e:346:PHE:CD1	2.87	0.54
1:f:266:ARG:NH2	1:f:360:GLY:O	2.29	0.54
1:l:237:ALA:HA	1:l:333:LEU:HA	1.89	0.54
1:n:230:PHE:CE2	1:n:330:TYR:CE1	2.95	0.54
1:p:80:MET:SD	1:p:192:THR:OG1	2.61	0.54
1:r:169:LYS:HE2	1:r:345:GLN:HE21	1.72	0.54
1:1:230:PHE:CE2	1:1:330:TYR:CE1	2.95	0.54
1:1:237:ALA:HA	1:1:333:LEU:HA	1.90	0.54
1:G:169:LYS:HE2	1:G:345:GLN:HE21	1.72	0.54
1:J:230:PHE:CE2	1:J:330:TYR:CE1	2.95	0.54
1:N:133:LEU:N	1:N:213:GLN:HE21	1.97	0.54
1:N:237:ALA:HA	1:N:333:LEU:HA	1.90	0.54
1:V:266:ARG:NH2	1:V:360:GLY:O	2.29	0.54
1:W:230:PHE:CE2	1:W:330:TYR:CE1	2.95	0.54
1:X:212:LYS:NZ	1:4:40:SER:O	2.33	0.54
1:3:194:SER:N	1:3:197:ASN:O	2.40	0.54
1:b:230:PHE:CE2	1:b:330:TYR:CE1	2.95	0.54
1:d:230:PHE:CE2	1:d:330:TYR:CE1	2.95	0.54
1:d:269:ALA:HA	1:d:348:PRO:HB3	1.89	0.54
1:e:230:PHE:CE2	1:e:330:TYR:CE1	2.95	0.54
1:f:237:ALA:HA	1:f:333:LEU:HA	1.89	0.54
1:g:266:ARG:NH2	1:g:360:GLY:O	2.29	0.54
1:h:237:ALA:HA	1:h:333:LEU:HA	1.90	0.54
1:k:230:PHE:CE2	1:k:330:TYR:CE1	2.95	0.54
1:n:40:SER:O	1:o:212:LYS:NZ	2.34	0.54
1:q:40:SER:O	1:r:212:LYS:NZ	2.35	0.54
1:q:270:GLY:CA	1:q:346:PHE:CD1	2.87	0.54
1:s:237:ALA:HA	1:s:333:LEU:HA	1.90	0.54
1:2:237:ALA:HA	1:2:333:LEU:HA	1.89	0.54
1:A:230:PHE:CE2	1:A:330:TYR:CE1	2.95	0.54
1:A:237:ALA:HA	1:A:333:LEU:HA	1.89	0.54
1:B:230:PHE:CE2	1:B:330:TYR:CE1	2.95	0.54
1:C:269:ALA:HA	1:C:348:PRO:HB3	1.88	0.54
1:H:269:ALA:HA	1:H:348:PRO:HB3	1.89	0.54
1:I:169:LYS:HE2	1:I:345:GLN:HE21	1.72	0.54
1:L:237:ALA:HA	1:L:333:LEU:HA	1.89	0.54
1:N:169:LYS:HE2	1:N:345:GLN:HE21	1.72	0.54
1:O:237:ALA:HA	1:O:333:LEU:HA	1.89	0.54
1:Q:269:ALA:HA	1:Q:348:PRO:HB3	1.88	0.54
1:W:80:MET:SD	1:W:192:THR:OG1	2.61	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:270:GLY:CA	1:Y:346:PHE:CD1	2.87	0.54
1:Z:237:ALA:HA	1:Z:333:LEU:HA	1.89	0.54
1:4:270:GLY:CA	1:4:346:PHE:CD1	2.87	0.54
1:a:266:ARG:NH2	1:a:360:GLY:O	2.29	0.54
1:c:270:GLY:CA	1:c:346:PHE:CD1	2.87	0.54
1:j:230:PHE:CE2	1:j:330:TYR:CE1	2.95	0.54
1:l:169:LYS:HE2	1:l:345:GLN:HE21	1.72	0.54
1:l:230:PHE:CE2	1:l:330:TYR:CE1	2.95	0.54
1:q:230:PHE:CE2	1:q:330:TYR:CE1	2.95	0.54
1:s:230:PHE:CE2	1:s:330:TYR:CE1	2.95	0.54
1:s:243:ASN:ND2	1:s:246:MET:CG	2.67	0.54
1:t:269:ALA:HA	1:t:348:PRO:HB3	1.89	0.54
1:u:40:SER:O	1:v:212:LYS:NZ	2.33	0.54
1:1:169:LYS:HE2	1:1:345:GLN:HE21	1.72	0.54
1:A:243:ASN:ND2	1:A:246:MET:CG	2.67	0.54
1:C:230:PHE:CE2	1:C:330:TYR:CE1	2.95	0.54
1:D:269:ALA:HA	1:D:348:PRO:HB3	1.89	0.54
1:G:230:PHE:CE2	1:G:330:TYR:CE1	2.95	0.54
1:M:230:PHE:CE2	1:M:330:TYR:CE1	2.95	0.54
1:3:270:GLY:CA	1:3:346:PHE:CD1	2.87	0.54
1:e:80:MET:SD	1:e:192:THR:OG1	2.61	0.54
1:j:269:ALA:HA	1:j:348:PRO:HB3	1.89	0.54
1:m:237:ALA:HA	1:m:333:LEU:HA	1.89	0.54
1:n:169:LYS:HE2	1:n:345:GLN:HE21	1.72	0.54
1:o:82:VAL:HG21	1:o:170:VAL:HG11	1.90	0.54
1:o:266:ARG:NH2	1:o:360:GLY:O	2.29	0.54
1:z:269:ALA:HA	1:z:348:PRO:HB3	1.89	0.54
1:2:270:GLY:CA	1:2:346:PHE:CD1	2.87	0.54
1:C:237:ALA:HA	1:C:333:LEU:HA	1.89	0.54
1:E:169:LYS:HE2	1:E:345:GLN:HE21	1.72	0.54
1:F:169:LYS:HE2	1:F:345:GLN:HE21	1.72	0.54
1:H:82:VAL:HG21	1:H:170:VAL:HG11	1.90	0.54
1:J:169:LYS:HE2	1:J:345:GLN:HE21	1.72	0.54
1:J:269:ALA:HA	1:J:348:PRO:HB3	1.88	0.54
1:Q:82:VAL:HG21	1:Q:170:VAL:HG11	1.90	0.54
1:Q:230:PHE:CE2	1:Q:330:TYR:CE1	2.95	0.54
1:U:237:ALA:HA	1:U:333:LEU:HA	1.89	0.54
1:8:96:THR:HA	1:8:185:GLU:OE1	2.08	0.54
1:7:230:PHE:CE2	1:7:330:TYR:CE1	2.95	0.54
1:7:269:ALA:HA	1:7:348:PRO:HB3	1.89	0.54
1:6:269:ALA:HA	1:6:348:PRO:HB3	1.89	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5:270:GLY:CA	1:5:346:PHE:CD1	2.87	0.54
1:c:82:VAL:HG21	1:c:170:VAL:HG11	1.90	0.54
1:d:82:VAL:HG21	1:d:170:VAL:HG11	1.90	0.54
1:g:96:THR:HA	1:g:185:GLU:OE1	2.08	0.54
1:i:269:ALA:HA	1:i:348:PRO:HB3	1.89	0.54
1:j:82:VAL:HG21	1:j:170:VAL:HG11	1.90	0.54
1:j:237:ALA:HA	1:j:333:LEU:HA	1.89	0.54
1:l:269:ALA:HA	1:l:348:PRO:HB3	1.88	0.54
1:o:230:PHE:CE2	1:o:330:TYR:CE1	2.95	0.54
1:t:133:LEU:N	1:t:213:GLN:HE21	1.97	0.54
1:t:194:SER:N	1:t:197:ASN:O	2.40	0.54
1:t:237:ALA:HA	1:t:333:LEU:HA	1.89	0.54
1:1:133:LEU:N	1:1:213:GLN:HE21	1.97	0.54
1:K:96:THR:HA	1:K:185:GLU:OE1	2.08	0.54
1:K:266:ARG:NH2	1:K:360:GLY:O	2.29	0.54
1:O:82:VAL:HG21	1:O:170:VAL:HG11	1.90	0.54
1:O:230:PHE:CE2	1:O:330:TYR:CE1	2.95	0.54
1:P:96:THR:HA	1:P:185:GLU:OE1	2.08	0.54
1:Q:169:LYS:HE2	1:Q:345:GLN:HE21	1.72	0.54
1:R:237:ALA:HA	1:R:333:LEU:HA	1.89	0.54
1:U:82:VAL:HG21	1:U:170:VAL:HG11	1.90	0.54
1:U:133:LEU:N	1:U:213:GLN:HE21	1.97	0.54
1:U:194:SER:N	1:U:197:ASN:O	2.40	0.54
1:V:96:THR:HA	1:V:185:GLU:OE1	2.08	0.54
1:Y:82:VAL:HG21	1:Y:170:VAL:HG11	1.90	0.54
1:Y:96:THR:HA	1:Y:185:GLU:OE1	2.08	0.54
1:Z:266:ARG:NH2	1:Z:360:GLY:O	2.29	0.54
1:7:82:VAL:HG21	1:7:170:VAL:HG11	1.90	0.54
1:6:82:VAL:HG21	1:6:170:VAL:HG11	1.90	0.54
1:6:230:PHE:CE2	1:6:330:TYR:CE1	2.95	0.54
1:g:169:LYS:HE2	1:g:345:GLN:HE21	1.72	0.54
1:h:96:THR:HA	1:h:185:GLU:OE1	2.08	0.54
1:i:230:PHE:CE2	1:i:330:TYR:CE1	2.95	0.54
1:o:269:ALA:HA	1:o:348:PRO:HB3	1.89	0.54
1:p:82:VAL:HG21	1:p:170:VAL:HG11	1.90	0.54
1:p:169:LYS:HE2	1:p:345:GLN:HE21	1.72	0.54
1:t:82:VAL:HG21	1:t:170:VAL:HG11	1.90	0.54
1:u:237:ALA:HA	1:u:333:LEU:HA	1.89	0.54
1:y:96:THR:HA	1:y:185:GLU:OE1	2.08	0.54
1:2:230:PHE:CE2	1:2:330:TYR:CE1	2.95	0.54
1:C:82:VAL:HG21	1:C:170:VAL:HG11	1.90	0.54

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:80:MET:SD	1:D:192:THR:OG1	2.61	0.54
1:D:237:ALA:HA	1:D:333:LEU:HA	1.89	0.54
1:F:82:VAL:HG21	1:F:170:VAL:HG11	1.90	0.54
1:M:269:ALA:HA	1:M:348:PRO:HB3	1.89	0.54
1:P:82:VAL:HG21	1:P:170:VAL:HG11	1.90	0.54
1:R:169:LYS:HE2	1:R:345:GLN:HE21	1.72	0.54
1:S:96:THR:HA	1:S:185:GLU:OE1	2.08	0.54
1:S:194:SER:N	1:S:197:ASN:O	2.40	0.54
1:V:169:LYS:HE2	1:V:345:GLN:HE21	1.72	0.54
1:W:143:GLY:O	1:W:144:THR:OG1	2.25	0.54
1:X:82:VAL:HG21	1:X:170:VAL:HG11	1.90	0.54
1:8:230:PHE:CE2	1:8:330:TYR:CE1	2.95	0.54
1:5:96:THR:HA	1:5:185:GLU:OE1	2.08	0.54
1:a:96:THR:HA	1:a:185:GLU:OE1	2.08	0.54
1:b:82:VAL:HG21	1:b:170:VAL:HG11	1.90	0.54
1:b:133:LEU:N	1:b:213:GLN:HE21	1.97	0.54
1:c:96:THR:HA	1:c:185:GLU:OE1	2.08	0.54
1:h:230:PHE:CE2	1:h:330:TYR:CE1	2.95	0.54
1:n:96:THR:HA	1:n:185:GLU:OE1	2.08	0.54
1:o:169:LYS:HE2	1:o:345:GLN:HE21	1.72	0.54
1:r:122:THR:CG2	1:r:123:LYS:N	2.48	0.54
1:v:80:MET:SD	1:v:192:THR:OG1	2.61	0.54
1:v:96:THR:HA	1:v:185:GLU:OE1	2.08	0.54
1:w:82:VAL:HG21	1:w:170:VAL:HG11	1.90	0.54
1:w:169:LYS:HE2	1:w:345:GLN:HE21	1.72	0.54
1:x:243:ASN:ND2	1:x:246:MET:CG	2.67	0.54
1:1:194:SER:N	1:1:197:ASN:O	2.40	0.54
1:2:82:VAL:HG21	1:2:170:VAL:HG11	1.90	0.54
1:A:269:ALA:HA	1:A:348:PRO:HB3	1.89	0.53
1:C:122:THR:CG2	1:C:123:LYS:H	1.93	0.53
1:D:40:SER:O	1:N:212:LYS:NZ	2.33	0.53
1:E:96:THR:HA	1:E:185:GLU:OE1	2.08	0.53
1:E:194:SER:N	1:E:197:ASN:O	2.40	0.53
1:K:169:LYS:HE2	1:K:345:GLN:HE21	1.72	0.53
1:R:230:PHE:CE2	1:R:330:TYR:CE1	2.95	0.53
1:S:239:VAL:HG11	1:S:268:MET:HE1	1.90	0.53
1:T:243:ASN:ND2	1:T:246:MET:CG	2.67	0.53
1:U:96:THR:HA	1:U:185:GLU:OE1	2.08	0.53
1:5:82:VAL:HG21	1:5:170:VAL:HG11	1.90	0.53
1:5:169:LYS:HE2	1:5:345:GLN:HE21	1.72	0.53
1:a:133:LEU:N	1:a:213:GLN:HE21	1.97	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:a:169:LYS:HE2	1:a:345:GLN:HE21	1.72	0.53
1:f:96:THR:HA	1:f:185:GLU:OE1	2.08	0.53
1:h:82:VAL:HG21	1:h:170:VAL:HG11	1.90	0.53
1:p:237:ALA:HA	1:p:333:LEU:HA	1.89	0.53
1:q:237:ALA:HA	1:q:333:LEU:HA	1.89	0.53
1:r:96:THR:HA	1:r:185:GLU:OE1	2.08	0.53
1:t:96:THR:HA	1:t:185:GLU:OE1	2.08	0.53
1:t:122:THR:CG2	1:t:123:LYS:N	2.48	0.53
1:u:169:LYS:HE2	1:u:345:GLN:HE21	1.72	0.53
1:w:96:THR:HA	1:w:185:GLU:OE1	2.08	0.53
1:y:82:VAL:HG21	1:y:170:VAL:HG11	1.90	0.53
1:z:237:ALA:HA	1:z:333:LEU:HA	1.89	0.53
1:A:96:THR:HA	1:A:185:GLU:OE1	2.08	0.53
1:D:169:LYS:HE2	1:D:345:GLN:HE21	1.72	0.53
1:F:237:ALA:HA	1:F:333:LEU:HA	1.90	0.53
1:G:237:ALA:HA	1:G:333:LEU:HA	1.89	0.53
1:I:96:THR:HA	1:I:185:GLU:OE1	2.08	0.53
1:J:96:THR:HA	1:J:185:GLU:OE1	2.08	0.53
1:Q:85:TRP:CZ2	1:Q:271:HIS:CE1	2.97	0.53
1:S:80:MET:SD	1:S:192:THR:OG1	2.61	0.53
1:T:82:VAL:HG21	1:T:170:VAL:HG11	1.90	0.53
1:W:169:LYS:HE2	1:W:345:GLN:HE21	1.72	0.53
1:8:82:VAL:HG21	1:8:170:VAL:HG11	1.90	0.53
1:7:266:ARG:NH2	1:7:360:GLY:O	2.29	0.53
1:6:85:TRP:CZ2	1:6:271:HIS:CE1	2.97	0.53
1:g:237:ALA:HA	1:g:333:LEU:HA	1.89	0.53
1:j:122:THR:CG2	1:j:123:LYS:H	1.93	0.53
1:l:96:THR:HA	1:l:185:GLU:OE1	2.08	0.53
1:o:85:TRP:CZ2	1:o:271:HIS:CE1	2.97	0.53
1:u:230:PHE:CE2	1:u:330:TYR:CE1	2.95	0.53
1:v:194:SER:N	1:v:197:ASN:O	2.40	0.53
1:v:239:VAL:HG11	1:v:268:MET:HE1	1.90	0.53
1:w:270:GLY:CA	1:w:346:PHE:CD1	2.87	0.53
1:A:85:TRP:CZ2	1:A:271:HIS:CE1	2.97	0.53
1:B:239:VAL:HG11	1:B:268:MET:HE1	1.90	0.53
1:D:82:VAL:HG21	1:D:170:VAL:HG11	1.90	0.53
1:H:239:VAL:HG11	1:H:268:MET:HE1	1.90	0.53
1:I:270:GLY:CA	1:I:346:PHE:CD1	2.86	0.53
1:O:80:MET:SD	1:O:192:THR:OG1	2.61	0.53
1:O:85:TRP:CZ2	1:O:271:HIS:CE1	2.97	0.53
1:P:85:TRP:CZ2	1:P:271:HIS:CE1	2.97	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:R:133:LEU:N	1:R:213:GLN:HE21	1.97	0.53
1:U:85:TRP:CZ2	1:U:271:HIS:CE1	2.97	0.53
1:U:169:LYS:HE2	1:U:345:GLN:HE21	1.72	0.53
1:V:85:TRP:CZ2	1:V:271:HIS:CE1	2.97	0.53
1:7:85:TRP:CZ2	1:7:271:HIS:CE1	2.97	0.53
1:4:133:LEU:N	1:4:213:GLN:HE21	1.97	0.53
1:c:269:ALA:HA	1:c:348:PRO:HB3	1.89	0.53
1:e:169:LYS:HE2	1:e:345:GLN:HE21	1.72	0.53
1:k:239:VAL:HG11	1:k:268:MET:HE1	1.90	0.53
1:p:85:TRP:CZ2	1:p:271:HIS:CE1	2.97	0.53
1:s:85:TRP:CZ2	1:s:271:HIS:CE1	2.97	0.53
1:s:96:THR:HA	1:s:185:GLU:OE1	2.08	0.53
1:t:85:TRP:CZ2	1:t:271:HIS:CE1	2.97	0.53
1:u:133:LEU:N	1:u:213:GLN:HE21	1.97	0.53
1:x:82:VAL:HG21	1:x:170:VAL:HG11	1.90	0.53
1:z:82:VAL:HG21	1:z:170:VAL:HG11	1.90	0.53
1:z:169:LYS:HE2	1:z:345:GLN:HE21	1.72	0.53
1:2:80:MET:SD	1:2:192:THR:OG1	2.61	0.53
1:D:96:THR:HA	1:D:185:GLU:OE1	2.08	0.53
1:F:85:TRP:CZ2	1:F:271:HIS:CE1	2.97	0.53
1:J:85:TRP:CZ2	1:J:271:HIS:CE1	2.97	0.53
1:K:85:TRP:CZ2	1:K:271:HIS:CE1	2.97	0.53
1:K:237:ALA:HA	1:K:333:LEU:HA	1.89	0.53
1:S:85:TRP:CZ2	1:S:271:HIS:CE1	2.97	0.53
1:T:122:THR:CG2	1:T:123:LYS:H	1.93	0.53
1:V:133:LEU:N	1:V:213:GLN:HE21	1.97	0.53
1:X:133:LEU:N	1:X:213:GLN:HE21	1.97	0.53
1:Z:96:THR:HA	1:Z:185:GLU:OE1	2.08	0.53
1:5:85:TRP:CZ2	1:5:271:HIS:CE1	2.97	0.53
1:a:85:TRP:CZ2	1:a:271:HIS:CE1	2.97	0.53
1:d:239:VAL:HG11	1:d:268:MET:HE1	1.90	0.53
1:l:85:TRP:CZ2	1:l:271:HIS:CE1	2.97	0.53
1:m:169:LYS:HE2	1:m:345:GLN:HE21	1.72	0.53
1:n:194:SER:N	1:n:197:ASN:O	2.40	0.53
1:q:85:TRP:CZ2	1:q:271:HIS:CE1	2.97	0.53
1:q:239:VAL:HG11	1:q:268:MET:HE1	1.90	0.53
1:r:82:VAL:HG21	1:r:170:VAL:HG11	1.90	0.53
1:s:269:ALA:HA	1:s:348:PRO:HB3	1.89	0.53
1:u:143:GLY:O	1:u:144:THR:OG1	2.25	0.53
1:v:85:TRP:CZ2	1:v:271:HIS:CE1	2.97	0.53
1:y:85:TRP:CZ2	1:y:271:HIS:CE1	2.97	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:z:96:THR:HA	1:z:185:GLU:OE1	2.08	0.53
1:1:85:TRP:CZ2	1:1:271:HIS:CE1	2.97	0.53
1:2:85:TRP:CZ2	1:2:271:HIS:CE1	2.97	0.53
1:A:270:GLY:CA	1:A:346:PHE:CD1	2.87	0.53
1:G:85:TRP:CZ2	1:G:271:HIS:CE1	2.97	0.53
1:H:169:LYS:HE2	1:H:345:GLN:HE21	1.72	0.53
1:I:82:VAL:HG21	1:I:170:VAL:HG11	1.90	0.53
1:K:239:VAL:HG11	1:K:268:MET:HE1	1.91	0.53
1:L:80:MET:SD	1:L:192:THR:OG1	2.61	0.53
1:L:169:LYS:HE2	1:L:345:GLN:HE21	1.72	0.53
1:N:85:TRP:CZ2	1:N:271:HIS:CE1	2.97	0.53
1:N:96:THR:HA	1:N:185:GLU:OE1	2.08	0.53
1:P:120:ARG:HD2	1:P:226:LEU:HB2	1.91	0.53
1:V:270:GLY:CA	1:V:346:PHE:CD1	2.87	0.53
1:X:96:THR:HA	1:X:185:GLU:OE1	2.08	0.53
1:Y:169:LYS:HE2	1:Y:345:GLN:HE21	1.72	0.53
1:Y:269:ALA:HA	1:Y:348:PRO:HB3	1.89	0.53
1:5:40:SER:O	1:f:212:LYS:NZ	2.35	0.53
1:b:96:THR:HA	1:b:185:GLU:OE1	2.08	0.53
1:c:169:LYS:HE2	1:c:345:GLN:HE21	1.72	0.53
1:g:85:TRP:CZ2	1:g:271:HIS:CE1	2.97	0.53
1:g:239:VAL:HG11	1:g:268:MET:HE1	1.91	0.53
1:m:80:MET:SD	1:m:192:THR:OG1	2.61	0.53
1:t:169:LYS:HE2	1:t:345:GLN:HE21	1.72	0.53
1:y:120:ARG:HD2	1:y:226:LEU:HB2	1.91	0.53
1:z:40:SER:O	1:1:212:LYS:NZ	2.33	0.53
1:1:96:THR:HA	1:1:185:GLU:OE1	2.08	0.53
1:B:85:TRP:CZ2	1:B:271:HIS:CE1	2.97	0.53
1:C:85:TRP:CZ2	1:C:271:HIS:CE1	2.97	0.53
1:C:131:LEU:HD22	1:C:211:TRP:CE3	2.44	0.53
1:E:237:ALA:HA	1:E:333:LEU:HA	1.89	0.53
1:G:239:VAL:HG11	1:G:268:MET:HE1	1.90	0.53
1:I:122:THR:CG2	1:I:123:LYS:N	2.48	0.53
1:L:131:LEU:HD22	1:L:211:TRP:CE3	2.44	0.53
1:M:96:THR:HA	1:M:185:GLU:OE1	2.08	0.53
1:Q:96:THR:HA	1:Q:185:GLU:OE1	2.08	0.53
1:T:120:ARG:HD2	1:T:226:LEU:HB2	1.91	0.53
1:8:239:VAL:HG11	1:8:268:MET:HE1	1.90	0.53
1:5:131:LEU:HD22	1:5:211:TRP:CE3	2.44	0.53
1:a:131:LEU:HD22	1:a:211:TRP:CE3	2.44	0.53
1:d:169:LYS:HE2	1:d:345:GLN:HE21	1.72	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:i:239:VAL:HG11	1:i:268:MET:HE1	1.90	0.53
1:j:85:TRP:CZ2	1:j:271:HIS:CE1	2.97	0.53
1:m:131:LEU:HD22	1:m:211:TRP:CE3	2.44	0.53
1:n:237:ALA:HA	1:n:333:LEU:HA	1.90	0.53
1:w:85:TRP:CZ2	1:w:271:HIS:CE1	2.97	0.53
1:x:131:LEU:HD22	1:x:211:TRP:CE3	2.44	0.53
1:2:169:LYS:HE2	1:2:345:GLN:HE21	1.72	0.53
1:A:169:LYS:HE2	1:A:345:GLN:HE21	1.72	0.53
1:A:241:GLN:CB	1:A:243:ASN:HD21	2.22	0.53
1:B:182:SER:OG	1:B:187:ASP:OD2	2.23	0.53
1:B:237:ALA:HA	1:B:333:LEU:HA	1.89	0.53
1:C:169:LYS:HE2	1:C:345:GLN:HE21	1.72	0.53
1:D:241:GLN:CB	1:D:243:ASN:HD21	2.22	0.53
1:H:85:TRP:CZ2	1:H:271:HIS:CE1	2.97	0.53
1:I:131:LEU:HD22	1:I:211:TRP:CE3	2.44	0.53
1:L:120:ARG:HD2	1:L:226:LEU:HB2	1.91	0.53
1:L:241:GLN:CB	1:L:243:ASN:HD21	2.22	0.53
1:M:239:VAL:HG11	1:M:268:MET:HE1	1.90	0.53
1:O:169:LYS:HE2	1:O:345:GLN:HE21	1.72	0.53
1:P:131:LEU:HD22	1:P:211:TRP:CE3	2.44	0.53
1:P:156:TYR:HB3	1:P:212:LYS:HG2	1.91	0.53
1:T:131:LEU:HD22	1:T:211:TRP:CE3	2.44	0.53
1:T:241:GLN:CB	1:T:243:ASN:HD21	2.22	0.53
1:U:122:THR:CG2	1:U:123:LYS:N	2.48	0.53
1:U:241:GLN:CB	1:U:243:ASN:HD21	2.22	0.53
1:V:131:LEU:HD22	1:V:211:TRP:CE3	2.44	0.53
1:Z:85:TRP:CZ2	1:Z:271:HIS:CE1	2.97	0.53
1:Z:241:GLN:CB	1:Z:243:ASN:HD21	2.22	0.53
1:8:85:TRP:CZ2	1:8:271:HIS:CE1	2.97	0.53
1:6:239:VAL:HG11	1:6:268:MET:HE1	1.90	0.53
1:a:182:SER:OG	1:a:187:ASP:OD2	2.23	0.53
1:a:270:GLY:CA	1:a:346:PHE:CD1	2.87	0.53
1:b:85:TRP:CZ2	1:b:271:HIS:CE1	2.97	0.53
1:d:85:TRP:CZ2	1:d:271:HIS:CE1	2.97	0.53
1:f:85:TRP:CZ2	1:f:271:HIS:CE1	2.97	0.53
1:f:156:TYR:HB3	1:f:212:LYS:HG2	1.91	0.53
1:f:241:GLN:CB	1:f:243:ASN:HD21	2.22	0.53
1:h:85:TRP:CZ2	1:h:271:HIS:CE1	2.97	0.53
1:h:239:VAL:HG11	1:h:268:MET:HE1	1.90	0.53
1:j:131:LEU:HD22	1:j:211:TRP:CE3	2.44	0.53
1:j:169:LYS:HE2	1:j:345:GLN:HE21	1.72	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:k:85:TRP:CZ2	1:k:271:HIS:CE1	2.97	0.53
1:k:182:SER:OG	1:k:187:ASP:OD2	2.23	0.53
1:k:237:ALA:HA	1:k:333:LEU:HA	1.89	0.53
1:m:120:ARG:HD2	1:m:226:LEU:HB2	1.91	0.53
1:m:241:GLN:CB	1:m:243:ASN:HD21	2.22	0.53
1:n:156:TYR:HB3	1:n:212:LYS:HG2	1.91	0.53
1:r:131:LEU:HD22	1:r:211:TRP:CE3	2.44	0.53
1:r:241:GLN:CB	1:r:243:ASN:HD21	2.22	0.53
1:r:270:GLY:CA	1:r:346:PHE:CD1	2.87	0.53
1:s:131:LEU:HD22	1:s:211:TRP:CE3	2.44	0.53
1:s:241:GLN:CB	1:s:243:ASN:HD21	2.22	0.53
1:s:270:GLY:CA	1:s:346:PHE:CD1	2.87	0.53
1:t:131:LEU:HD22	1:t:211:TRP:CE3	2.44	0.53
1:w:131:LEU:HD22	1:w:211:TRP:CE3	2.44	0.53
1:x:85:TRP:CZ2	1:x:271:HIS:CE1	2.97	0.53
1:x:120:ARG:HD2	1:x:226:LEU:HB2	1.91	0.53
1:y:131:LEU:HD22	1:y:211:TRP:CE3	2.44	0.53
1:z:80:MET:SD	1:z:192:THR:OG1	2.61	0.53
1:z:241:GLN:CB	1:z:243:ASN:HD21	2.22	0.53
1:A:131:LEU:HD22	1:A:211:TRP:CE3	2.44	0.53
1:E:156:TYR:HB3	1:E:212:LYS:HG2	1.91	0.53
1:F:131:LEU:HD22	1:F:211:TRP:CE3	2.44	0.53
1:I:241:GLN:CB	1:I:243:ASN:HD21	2.22	0.53
1:K:241:GLN:CB	1:K:243:ASN:HD21	2.22	0.53
1:M:120:ARG:HD2	1:M:226:LEU:HB2	1.91	0.53
1:M:243:ASN:O	1:7:258:ILE:HG22	2.09	0.53
1:N:250:GLY:CA	1:N:331:GLY:HA2	2.39	0.53
1:O:250:GLY:CA	1:O:331:GLY:HA2	2.39	0.53
1:R:85:TRP:CZ2	1:R:271:HIS:CE1	2.97	0.53
1:T:85:TRP:CZ2	1:T:271:HIS:CE1	2.97	0.53
1:X:85:TRP:CZ2	1:X:271:HIS:CE1	2.97	0.53
1:X:131:LEU:HD22	1:X:211:TRP:CE3	2.44	0.53
1:Y:85:TRP:CZ2	1:Y:271:HIS:CE1	2.97	0.53
1:6:266:ARG:NH2	1:6:360:GLY:O	2.29	0.53
1:5:250:GLY:CA	1:5:331:GLY:HA2	2.39	0.53
1:4:156:TYR:HB3	1:4:212:LYS:HG2	1.91	0.53
1:4:237:ALA:HA	1:4:333:LEU:HA	1.89	0.53
1:3:133:LEU:N	1:3:213:GLN:HE21	1.97	0.53
1:b:131:LEU:HD22	1:b:211:TRP:CE3	2.44	0.53
1:b:169:LYS:HE2	1:b:345:GLN:HE21	1.72	0.53
1:c:131:LEU:HD22	1:c:211:TRP:CE3	2.44	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:i:96:THR:HA	1:i:185:GLU:OE1	2.08	0.53
1:o:96:THR:HA	1:o:185:GLU:OE1	2.08	0.53
1:s:169:LYS:HE2	1:s:345:GLN:HE21	1.72	0.53
1:t:241:GLN:CB	1:t:243:ASN:HD21	2.22	0.53
1:u:241:GLN:CB	1:u:243:ASN:HD21	2.22	0.53
1:w:143:GLY:O	1:w:144:THR:OG1	2.25	0.53
1:x:122:THR:CG2	1:x:123:LYS:H	1.93	0.53
1:y:156:TYR:HB3	1:y:212:LYS:HG2	1.91	0.53
1:1:250:GLY:CA	1:1:331:GLY:HA2	2.39	0.53
1:A:82:VAL:HG21	1:A:170:VAL:HG11	1.90	0.53
1:P:250:GLY:CA	1:P:331:GLY:HA2	2.39	0.53
1:Q:250:GLY:CA	1:Q:331:GLY:HA2	2.39	0.53
1:R:241:GLN:CB	1:R:243:ASN:HD21	2.22	0.53
1:V:120:ARG:HD2	1:V:226:LEU:HB2	1.91	0.53
1:V:241:GLN:CB	1:V:243:ASN:HD21	2.22	0.53
1:X:169:LYS:HE2	1:X:345:GLN:HE21	1.72	0.53
1:Y:131:LEU:HD22	1:Y:211:TRP:CE3	2.44	0.53
1:8:156:TYR:HB3	1:8:212:LYS:HG2	1.91	0.53
1:7:239:VAL:HG11	1:7:268:MET:HE1	1.90	0.53
1:6:237:ALA:HA	1:6:333:LEU:HA	1.89	0.53
1:5:241:GLN:CB	1:5:243:ASN:HD21	2.22	0.53
1:4:241:GLN:CB	1:4:243:ASN:HD21	2.22	0.53
1:3:156:TYR:HB3	1:3:212:LYS:HG2	1.91	0.53
1:3:237:ALA:HA	1:3:333:LEU:HA	1.89	0.53
1:3:241:GLN:CB	1:3:243:ASN:HD21	2.22	0.53
1:a:241:GLN:CB	1:a:243:ASN:HD21	2.22	0.53
1:c:85:TRP:CZ2	1:c:271:HIS:CE1	2.97	0.53
1:d:96:THR:HA	1:d:185:GLU:OE1	2.08	0.53
1:i:120:ARG:HD2	1:i:226:LEU:HB2	1.91	0.53
1:i:194:SER:N	1:i:197:ASN:O	2.40	0.53
1:j:96:THR:HA	1:j:185:GLU:OE1	2.08	0.53
1:k:96:THR:HA	1:k:185:GLU:OE1	2.08	0.53
1:l:82:VAL:HG21	1:l:170:VAL:HG11	1.90	0.53
1:n:131:LEU:HD22	1:n:211:TRP:CE3	2.44	0.53
1:p:131:LEU:HD22	1:p:211:TRP:CE3	2.44	0.53
1:q:131:LEU:HD22	1:q:211:TRP:CE3	2.44	0.53
1:r:120:ARG:HD2	1:r:226:LEU:HB2	1.91	0.53
1:u:85:TRP:CZ2	1:u:271:HIS:CE1	2.97	0.53
1:u:250:GLY:CA	1:u:331:GLY:HA2	2.39	0.53
1:w:250:GLY:CA	1:w:331:GLY:HA2	2.39	0.53
1:x:241:GLN:CB	1:x:243:ASN:HD21	2.22	0.53

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:y:250:GLY:CA	1:y:331:GLY:HA2	2.39	0.53
1:z:85:TRP:CZ2	1:z:271:HIS:CE1	2.97	0.53
1:1:120:ARG:HD2	1:1:226:LEU:HB2	1.91	0.53
1:2:250:GLY:CA	1:2:331:GLY:HA2	2.39	0.53
1:B:82:VAL:HG21	1:B:170:VAL:HG11	1.90	0.53
1:B:96:THR:HA	1:B:185:GLU:OE1	2.08	0.53
1:C:96:THR:HA	1:C:185:GLU:OE1	2.08	0.53
1:D:85:TRP:CZ2	1:D:271:HIS:CE1	2.97	0.53
1:E:131:LEU:HD22	1:E:211:TRP:CE3	2.44	0.53
1:G:131:LEU:HD22	1:G:211:TRP:CE3	2.44	0.53
1:H:120:ARG:HD2	1:H:226:LEU:HB2	1.91	0.53
1:H:250:GLY:CA	1:H:331:GLY:HA2	2.39	0.53
1:I:120:ARG:HD2	1:I:226:LEU:HB2	1.91	0.53
1:J:250:GLY:CA	1:J:331:GLY:HA2	2.39	0.53
1:M:85:TRP:CZ2	1:M:271:HIS:CE1	2.97	0.53
1:M:131:LEU:HD22	1:M:211:TRP:CE3	2.44	0.53
1:M:194:SER:N	1:M:197:ASN:O	2.40	0.53
1:N:120:ARG:HD2	1:N:226:LEU:HB2	1.91	0.53
1:N:241:GLN:CB	1:N:243:ASN:HD21	2.22	0.53
1:T:96:THR:HA	1:T:185:GLU:OE1	2.08	0.53
1:T:250:GLY:CA	1:T:331:GLY:HA2	2.39	0.53
1:U:131:LEU:HD22	1:U:211:TRP:CE3	2.44	0.53
1:Z:156:TYR:HB3	1:Z:212:LYS:HG2	1.91	0.53
1:4:250:GLY:CA	1:4:331:GLY:HA2	2.39	0.53
1:a:120:ARG:HD2	1:a:226:LEU:HB2	1.91	0.53
1:d:120:ARG:HD2	1:d:226:LEU:HB2	1.91	0.53
1:d:250:GLY:CA	1:d:331:GLY:HA2	2.39	0.53
1:g:241:GLN:CB	1:g:243:ASN:HD21	2.22	0.53
1:h:156:TYR:HB3	1:h:212:LYS:HG2	1.91	0.53
1:i:85:TRP:CZ2	1:i:271:HIS:CE1	2.97	0.53
1:k:82:VAL:HG21	1:k:170:VAL:HG11	1.90	0.53
1:k:122:THR:CG2	1:k:123:LYS:N	2.48	0.53
1:k:156:TYR:HB3	1:k:212:LYS:HG2	1.91	0.53
1:l:250:GLY:CA	1:l:331:GLY:HA2	2.39	0.53
1:m:239:VAL:HG11	1:m:268:MET:HE1	1.90	0.53
1:r:80:MET:SD	1:r:192:THR:OG1	2.61	0.53
1:s:82:VAL:HG21	1:s:170:VAL:HG11	1.90	0.53
1:w:241:GLN:CB	1:w:243:ASN:HD21	2.22	0.53
1:x:96:THR:HA	1:x:185:GLU:OE1	2.08	0.53
1:B:156:TYR:HB3	1:B:212:LYS:HG2	1.91	0.52
1:B:241:GLN:CB	1:B:243:ASN:HD21	2.22	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:131:LEU:HD22	1:D:211:TRP:CE3	2.44	0.52
1:E:85:TRP:CZ2	1:E:271:HIS:CE1	2.97	0.52
1:E:241:GLN:NE2	1:E:268:MET:HE3	2.25	0.52
1:G:241:GLN:NE2	1:G:268:MET:HE3	2.25	0.52
1:G:241:GLN:CB	1:G:243:ASN:HD21	2.22	0.52
1:H:96:THR:HA	1:H:185:GLU:OE1	2.08	0.52
1:H:143:GLY:O	1:H:144:THR:OG1	2.25	0.52
1:H:156:TYR:HB3	1:H:212:LYS:HG2	1.91	0.52
1:I:85:TRP:CZ2	1:I:271:HIS:CE1	2.97	0.52
1:J:82:VAL:HG21	1:J:170:VAL:HG11	1.90	0.52
1:L:96:THR:HA	1:L:185:GLU:OE1	2.08	0.52
1:M:241:GLN:CB	1:M:243:ASN:HD21	2.22	0.52
1:O:96:THR:HA	1:O:185:GLU:OE1	2.08	0.52
1:R:250:GLY:CA	1:R:331:GLY:HA2	2.39	0.52
1:T:169:LYS:HE2	1:T:345:GLN:HE21	1.72	0.52
1:W:85:TRP:CZ2	1:W:271:HIS:CE1	2.97	0.52
1:W:131:LEU:HD22	1:W:211:TRP:CE3	2.44	0.52
1:X:120:ARG:HD2	1:X:226:LEU:HB2	1.91	0.52
1:X:250:GLY:CA	1:X:331:GLY:HA2	2.39	0.52
1:Z:239:VAL:HG11	1:Z:268:MET:HE1	1.90	0.52
1:8:194:SER:N	1:8:197:ASN:O	2.40	0.52
1:7:237:ALA:HA	1:7:333:LEU:HA	1.90	0.52
1:6:156:TYR:HB3	1:6:212:LYS:HG2	1.91	0.52
1:4:96:THR:HA	1:4:185:GLU:OE1	2.08	0.52
1:3:250:GLY:CA	1:3:331:GLY:HA2	2.39	0.52
1:b:250:GLY:CA	1:b:331:GLY:HA2	2.39	0.52
1:d:156:TYR:HB3	1:d:212:LYS:HG2	1.91	0.52
1:e:120:ARG:HD2	1:e:226:LEU:HB2	1.91	0.52
1:k:241:GLN:CB	1:k:243:ASN:HD21	2.22	0.52
1:l:241:GLN:CB	1:l:243:ASN:HD21	2.22	0.52
1:n:85:TRP:CZ2	1:n:271:HIS:CE1	2.97	0.52
1:n:241:GLN:NE2	1:n:268:MET:HE3	2.25	0.52
1:o:250:GLY:CA	1:o:331:GLY:HA2	2.39	0.52
1:p:120:ARG:HD2	1:p:226:LEU:HB2	1.91	0.52
1:r:85:TRP:CZ2	1:r:271:HIS:CE1	2.97	0.52
1:u:131:LEU:HD22	1:u:211:TRP:CE3	2.44	0.52
1:x:250:GLY:CA	1:x:331:GLY:HA2	2.39	0.52
1:z:131:LEU:HD22	1:z:211:TRP:CE3	2.44	0.52
1:1:241:GLN:CB	1:1:243:ASN:HD21	2.22	0.52
1:B:131:LEU:HD22	1:B:211:TRP:CE3	2.44	0.52
1:F:120:ARG:HD2	1:F:226:LEU:HB2	1.91	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:270:GLY:CA	1:F:346:PHE:CD1	2.86	0.52
1:G:96:THR:HA	1:G:185:GLU:OE1	2.08	0.52
1:G:250:GLY:CA	1:G:331:GLY:HA2	2.39	0.52
1:K:82:VAL:HG21	1:K:170:VAL:HG11	1.90	0.52
1:K:131:LEU:HD22	1:K:211:TRP:CE3	2.44	0.52
1:L:239:VAL:HG11	1:L:268:MET:HE1	1.90	0.52
1:Q:120:ARG:HD2	1:Q:226:LEU:HB2	1.91	0.52
1:S:120:ARG:HD2	1:S:226:LEU:HB2	1.91	0.52
1:U:120:ARG:HD2	1:U:226:LEU:HB2	1.91	0.52
1:W:120:ARG:HD2	1:W:226:LEU:HB2	1.91	0.52
1:8:241:GLN:NE2	1:8:268:MET:HE3	2.25	0.52
1:7:156:TYR:HB3	1:7:212:LYS:HG2	1.91	0.52
1:7:169:LYS:HE2	1:7:345:GLN:HE21	1.72	0.52
1:7:241:GLN:NE2	1:7:268:MET:HE3	2.25	0.52
1:6:241:GLN:NE2	1:6:268:MET:HE3	2.25	0.52
1:a:156:TYR:HB3	1:a:212:LYS:HG2	1.91	0.52
1:a:241:GLN:NE2	1:a:268:MET:HE3	2.25	0.52
1:b:120:ARG:HD2	1:b:226:LEU:HB2	1.91	0.52
1:c:241:GLN:CB	1:c:243:ASN:HD21	2.22	0.52
1:d:143:GLY:O	1:d:144:THR:OG1	2.25	0.52
1:e:85:TRP:CZ2	1:e:271:HIS:CE1	2.97	0.52
1:e:131:LEU:HD22	1:e:211:TRP:CE3	2.44	0.52
1:f:239:VAL:HG11	1:f:268:MET:HE1	1.90	0.52
1:h:194:SER:N	1:h:197:ASN:O	2.40	0.52
1:i:131:LEU:HD22	1:i:211:TRP:CE3	2.44	0.52
1:i:241:GLN:CB	1:i:243:ASN:HD21	2.22	0.52
1:j:156:TYR:HB3	1:j:212:LYS:HG2	1.91	0.52
1:j:194:SER:N	1:j:197:ASN:O	2.40	0.52
1:m:96:THR:HA	1:m:185:GLU:OE1	2.08	0.52
1:o:156:TYR:HB3	1:o:212:LYS:HG2	1.91	0.52
1:q:241:GLN:CB	1:q:243:ASN:HD21	2.22	0.52
1:t:120:ARG:HD2	1:t:226:LEU:HB2	1.91	0.52
1:x:169:LYS:HE2	1:x:345:GLN:HE21	1.72	0.52
1:z:250:GLY:CA	1:z:331:GLY:HA2	2.39	0.52
1:1:156:TYR:HB3	1:1:212:LYS:HG2	1.91	0.52
1:C:156:TYR:HB3	1:C:212:LYS:HG2	1.91	0.52
1:C:179:PRO:O	1:C:188:TYR:OH	2.25	0.52
1:C:241:GLN:CB	1:C:243:ASN:HD21	2.22	0.52
1:C:250:GLY:CA	1:C:331:GLY:HA2	2.39	0.52
1:D:250:GLY:CA	1:D:331:GLY:HA2	2.39	0.52
1:E:241:GLN:CB	1:E:243:ASN:HD21	2.22	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:82:VAL:HG21	1:G:170:VAL:HG11	1.90	0.52
1:I:182:SER:OG	1:I:187:ASP:OD2	2.23	0.52
1:J:241:GLN:CB	1:J:243:ASN:HD21	2.22	0.52
1:N:156:TYR:HB3	1:N:212:LYS:HG2	1.91	0.52
1:Q:156:TYR:HB3	1:Q:212:LYS:HG2	1.91	0.52
1:R:96:THR:HA	1:R:185:GLU:OE1	2.08	0.52
1:R:131:LEU:HD22	1:R:211:TRP:CE3	2.44	0.52
1:S:241:GLN:NE2	1:S:268:MET:HE3	2.25	0.52
1:T:270:GLY:O	1:T:272:TYR:CD2	2.63	0.52
1:V:156:TYR:HB3	1:V:212:LYS:HG2	1.91	0.52
1:V:241:GLN:NE2	1:V:268:MET:HE3	2.25	0.52
1:W:241:GLN:NE2	1:W:268:MET:HE3	2.25	0.52
1:W:250:GLY:CA	1:W:331:GLY:HA2	2.39	0.52
1:Z:120:ARG:HD2	1:Z:226:LEU:HB2	1.91	0.52
1:5:241:GLN:NE2	1:5:268:MET:HE3	2.25	0.52
1:4:85:TRP:CZ2	1:4:271:HIS:CE1	2.97	0.52
1:3:96:THR:HA	1:3:185:GLU:OE1	2.08	0.52
1:a:143:GLY:O	1:a:144:THR:OG1	2.25	0.52
1:e:241:GLN:NE2	1:e:268:MET:HE3	2.25	0.52
1:e:250:GLY:CA	1:e:331:GLY:HA2	2.39	0.52
1:f:120:ARG:HD2	1:f:226:LEU:HB2	1.91	0.52
1:g:82:VAL:HG21	1:g:170:VAL:HG11	1.90	0.52
1:h:241:GLN:NE2	1:h:268:MET:HE3	2.25	0.52
1:h:270:GLY:O	1:h:272:TYR:CD2	2.63	0.52
1:j:250:GLY:CA	1:j:331:GLY:HA2	2.39	0.52
1:k:131:LEU:HD22	1:k:211:TRP:CE3	2.44	0.52
1:m:250:GLY:CA	1:m:331:GLY:HA2	2.39	0.52
1:o:143:GLY:O	1:o:144:THR:OG1	2.25	0.52
1:q:82:VAL:HG21	1:q:170:VAL:HG11	1.90	0.52
1:q:96:THR:HA	1:q:185:GLU:OE1	2.08	0.52
1:q:156:TYR:HB3	1:q:212:LYS:HG2	1.91	0.52
1:q:241:GLN:NE2	1:q:268:MET:HE3	2.25	0.52
1:q:250:GLY:CA	1:q:331:GLY:HA2	2.39	0.52
1:s:120:ARG:HD2	1:s:226:LEU:HB2	1.91	0.52
1:t:122:THR:CG2	1:t:123:LYS:H	1.93	0.52
1:u:96:THR:HA	1:u:185:GLU:OE1	2.08	0.52
1:v:120:ARG:HD2	1:v:226:LEU:HB2	1.91	0.52
1:v:241:GLN:NE2	1:v:268:MET:HE3	2.25	0.52
1:w:241:GLN:NE2	1:w:268:MET:HE3	2.25	0.52
1:x:270:GLY:O	1:x:272:TYR:CD2	2.63	0.52
1:1:239:VAL:HG11	1:1:268:MET:HE1	1.90	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1:270:GLY:O	1:1:272:TYR:CD2	2.63	0.52
1:2:241:GLN:CB	1:2:243:ASN:HD21	2.22	0.52
1:A:120:ARG:HD2	1:A:226:LEU:HB2	1.91	0.52
1:B:122:THR:CG2	1:B:123:LYS:N	2.48	0.52
1:E:270:GLY:CA	1:E:346:PHE:CD1	2.87	0.52
1:H:238:TYR:CZ	1:H:334:VAL:HG12	2.45	0.52
1:L:250:GLY:CA	1:L:331:GLY:HA2	2.39	0.52
1:N:270:GLY:O	1:N:272:TYR:CD2	2.63	0.52
1:O:241:GLN:CB	1:O:243:ASN:HD21	2.22	0.52
1:R:270:GLY:O	1:R:272:TYR:CD2	2.63	0.52
1:S:241:GLN:CB	1:S:243:ASN:HD21	2.22	0.52
1:T:238:TYR:CZ	1:T:334:VAL:HG12	2.45	0.52
1:V:270:GLY:O	1:V:272:TYR:CD2	2.63	0.52
1:W:96:THR:HA	1:W:185:GLU:OE1	2.08	0.52
1:Y:241:GLN:CB	1:Y:243:ASN:HD21	2.22	0.52
1:Z:143:GLY:O	1:Z:144:THR:OG1	2.25	0.52
1:Z:241:GLN:NE2	1:Z:268:MET:HE3	2.25	0.52
1:8:241:GLN:CB	1:8:243:ASN:HD21	2.22	0.52
1:8:270:GLY:O	1:8:272:TYR:CD2	2.63	0.52
1:7:241:GLN:CB	1:7:243:ASN:HD21	2.22	0.52
1:6:169:LYS:HE2	1:6:345:GLN:HE21	1.72	0.52
1:5:270:GLY:O	1:5:272:TYR:CD2	2.63	0.52
1:3:85:TRP:CZ2	1:3:271:HIS:CE1	2.97	0.52
1:a:82:VAL:HG21	1:a:170:VAL:HG11	1.90	0.52
1:a:270:GLY:O	1:a:272:TYR:CD2	2.63	0.52
1:d:194:SER:N	1:d:197:ASN:O	2.40	0.52
1:d:238:TYR:CZ	1:d:334:VAL:HG12	2.45	0.52
1:e:96:THR:HA	1:e:185:GLU:OE1	2.08	0.52
1:f:241:GLN:NE2	1:f:268:MET:HE3	2.25	0.52
1:g:131:LEU:HD22	1:g:211:TRP:CE3	2.44	0.52
1:h:143:GLY:O	1:h:144:THR:OG1	2.25	0.52
1:j:241:GLN:CB	1:j:243:ASN:HD21	2.22	0.52
1:o:120:ARG:HD2	1:o:226:LEU:HB2	1.91	0.52
1:o:131:LEU:HD22	1:o:211:TRP:CE3	2.44	0.52
1:p:156:TYR:HB3	1:p:212:LYS:HG2	1.91	0.52
1:u:120:ARG:HD2	1:u:226:LEU:HB2	1.91	0.52
1:u:270:GLY:O	1:u:272:TYR:CD2	2.63	0.52
1:v:131:LEU:HD22	1:v:211:TRP:CE3	2.44	0.52
1:v:241:GLN:CB	1:v:243:ASN:HD21	2.22	0.52
1:v:250:GLY:CA	1:v:331:GLY:HA2	2.39	0.52
1:w:270:GLY:O	1:w:272:TYR:CD2	2.63	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:x:238:TYR:CZ	1:x:334:VAL:HG12	2.45	0.52
1:2:96:THR:HA	1:2:185:GLU:OE1	2.08	0.52
1:A:270:GLY:O	1:A:272:TYR:CD2	2.63	0.52
1:C:194:SER:N	1:C:197:ASN:O	2.40	0.52
1:F:156:TYR:HB3	1:F:212:LYS:HG2	1.91	0.52
1:F:270:GLY:O	1:F:272:TYR:CD2	2.63	0.52
1:G:156:TYR:HB3	1:G:212:LYS:HG2	1.91	0.52
1:H:80:MET:SD	1:H:192:THR:OG1	2.61	0.52
1:J:238:TYR:CZ	1:J:334:VAL:HG12	2.45	0.52
1:K:250:GLY:CA	1:K:331:GLY:HA2	2.39	0.52
1:L:85:TRP:CZ2	1:L:271:HIS:CE1	2.97	0.52
1:L:270:GLY:O	1:L:272:TYR:CD2	2.63	0.52
1:S:131:LEU:HD22	1:S:211:TRP:CE3	2.44	0.52
1:S:250:GLY:CA	1:S:331:GLY:HA2	2.39	0.52
1:V:82:VAL:HG21	1:V:170:VAL:HG11	1.90	0.52
1:V:238:TYR:CZ	1:V:334:VAL:HG12	2.45	0.52
1:Y:241:GLN:NE2	1:Y:268:MET:HE3	2.25	0.52
1:Z:82:VAL:HG21	1:Z:170:VAL:HG11	1.90	0.52
1:8:131:LEU:HD22	1:8:211:TRP:CE3	2.44	0.52
1:8:143:GLY:O	1:8:144:THR:OG1	2.25	0.52
1:7:250:GLY:CA	1:7:331:GLY:HA2	2.39	0.52
1:4:82:VAL:HG21	1:4:170:VAL:HG11	1.90	0.52
1:a:238:TYR:CZ	1:a:334:VAL:HG12	2.45	0.52
1:f:82:VAL:HG21	1:f:170:VAL:HG11	1.90	0.52
1:h:241:GLN:CB	1:h:243:ASN:HD21	2.22	0.52
1:m:82:VAL:HG21	1:m:170:VAL:HG11	1.90	0.52
1:m:85:TRP:CZ2	1:m:271:HIS:CE1	2.97	0.52
1:n:241:GLN:CB	1:n:243:ASN:HD21	2.22	0.52
1:n:270:GLY:CA	1:n:346:PHE:CD1	2.87	0.52
1:p:96:THR:HA	1:p:185:GLU:OE1	2.08	0.52
1:p:270:GLY:O	1:p:272:TYR:CD2	2.63	0.52
1:s:270:GLY:O	1:s:272:TYR:CD2	2.63	0.52
1:z:270:GLY:O	1:z:272:TYR:CD2	2.63	0.52
1:2:131:LEU:HD22	1:2:211:TRP:CE3	2.44	0.52
1:D:238:TYR:CZ	1:D:334:VAL:HG12	2.45	0.52
1:D:270:GLY:O	1:D:272:TYR:CD2	2.63	0.52
1:E:82:VAL:HG21	1:E:170:VAL:HG11	1.90	0.52
1:E:120:ARG:HD2	1:E:226:LEU:HB2	1.91	0.52
1:E:270:GLY:O	1:E:272:TYR:CD2	2.63	0.52
1:H:194:SER:N	1:H:197:ASN:O	2.40	0.52
1:I:156:TYR:HB3	1:I:212:LYS:HG2	1.91	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:71:ASN:HD22	1:7:279:ARG:HG3	1.74	0.52
1:L:238:TYR:CZ	1:L:334:VAL:HG12	2.45	0.52
1:M:82:VAL:HG21	1:M:170:VAL:HG11	1.90	0.52
1:M:270:GLY:O	1:M:272:TYR:CD2	2.63	0.52
1:N:80:MET:SD	1:N:192:THR:OG1	2.61	0.52
1:N:239:VAL:HG11	1:N:268:MET:HE1	1.91	0.52
1:N:241:GLN:NE2	1:N:268:MET:HE3	2.25	0.52
1:Q:131:LEU:HD22	1:Q:211:TRP:CE3	2.44	0.52
1:Q:238:TYR:CZ	1:Q:334:VAL:HG12	2.45	0.52
1:R:120:ARG:HD2	1:R:226:LEU:HB2	1.91	0.52
1:S:270:GLY:O	1:S:272:TYR:CD2	2.63	0.52
1:V:143:GLY:O	1:V:144:THR:OG1	2.25	0.52
1:W:239:VAL:HG11	1:W:268:MET:HE1	1.90	0.52
1:8:266:ARG:NH2	1:8:360:GLY:O	2.29	0.52
1:7:96:THR:HA	1:7:185:GLU:OE1	2.08	0.52
1:7:270:GLY:O	1:7:272:TYR:CD2	2.63	0.52
1:6:96:THR:HA	1:6:185:GLU:OE1	2.08	0.52
1:6:241:GLN:CB	1:6:243:ASN:HD21	2.22	0.52
1:6:250:GLY:CA	1:6:331:GLY:HA2	2.39	0.52
1:3:82:VAL:HG21	1:3:170:VAL:HG11	1.90	0.52
1:c:241:GLN:NE2	1:c:268:MET:HE3	2.25	0.52
1:f:143:GLY:O	1:f:144:THR:OG1	2.25	0.52
1:g:250:GLY:CA	1:g:331:GLY:HA2	2.39	0.52
1:h:131:LEU:HD22	1:h:211:TRP:CE3	2.44	0.52
1:i:82:VAL:HG21	1:i:170:VAL:HG11	1.90	0.52
1:i:270:GLY:O	1:i:272:TYR:CD2	2.63	0.52
1:l:238:TYR:CZ	1:l:334:VAL:HG12	2.45	0.52
1:m:238:TYR:CZ	1:m:334:VAL:HG12	2.45	0.52
1:m:270:GLY:O	1:m:272:TYR:CD2	2.63	0.52
1:n:82:VAL:HG21	1:n:170:VAL:HG11	1.90	0.52
1:n:270:GLY:O	1:n:272:TYR:CD2	2.63	0.52
1:o:238:TYR:CZ	1:o:334:VAL:HG12	2.45	0.52
1:p:270:GLY:CA	1:p:346:PHE:CD1	2.87	0.52
1:s:156:TYR:HB3	1:s:212:LYS:HG2	1.91	0.52
1:t:250:GLY:CA	1:t:331:GLY:HA2	2.39	0.52
1:v:270:GLY:O	1:v:272:TYR:CD2	2.63	0.52
1:z:238:TYR:CZ	1:z:334:VAL:HG12	2.45	0.52
1:1:80:MET:SD	1:1:192:THR:OG1	2.61	0.52
1:A:241:GLN:NE2	1:A:268:MET:HE3	2.25	0.52
1:F:96:THR:HA	1:F:185:GLU:OE1	2.08	0.52
1:F:238:TYR:CZ	1:F:334:VAL:HG12	2.45	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:241:GLN:NE2	1:F:268:MET:HE3	2.25	0.52
1:F:250:GLY:CA	1:F:331:GLY:HA2	2.39	0.52
1:K:238:TYR:CZ	1:K:334:VAL:HG12	2.45	0.52
1:L:82:VAL:HG21	1:L:170:VAL:HG11	1.90	0.52
1:N:82:VAL:HG21	1:N:170:VAL:HG11	1.90	0.52
1:O:131:LEU:HD22	1:O:211:TRP:CE3	2.44	0.52
1:P:241:GLN:CB	1:P:243:ASN:HD21	2.22	0.52
1:V:239:VAL:HG11	1:V:268:MET:HE1	1.91	0.52
1:W:156:TYR:HB3	1:W:212:LYS:HG2	1.91	0.52
1:X:156:TYR:HB3	1:X:212:LYS:HG2	1.91	0.52
1:Y:238:TYR:CZ	1:Y:334:VAL:HG12	2.45	0.52
1:7:131:LEU:HD22	1:7:211:TRP:CE3	2.44	0.52
1:6:270:GLY:O	1:6:272:TYR:CD2	2.63	0.52
1:4:131:LEU:HD22	1:4:211:TRP:CE3	2.44	0.52
1:3:270:GLY:O	1:3:272:TYR:CD2	2.63	0.52
1:b:156:TYR:HB3	1:b:212:LYS:HG2	1.91	0.52
1:b:238:TYR:CZ	1:b:334:VAL:HG12	2.45	0.52
1:b:270:GLY:O	1:b:272:TYR:CD2	2.63	0.52
1:c:238:TYR:CZ	1:c:334:VAL:HG12	2.45	0.52
1:c:250:GLY:CA	1:c:331:GLY:HA2	2.39	0.52
1:c:270:GLY:O	1:c:272:TYR:CD2	2.63	0.52
1:d:241:GLN:CB	1:d:243:ASN:HD21	2.22	0.52
1:e:156:TYR:HB3	1:e:212:LYS:HG2	1.91	0.52
1:e:241:GLN:CB	1:e:243:ASN:HD21	2.22	0.52
1:g:238:TYR:CZ	1:g:334:VAL:HG12	2.45	0.52
1:j:241:GLN:NE2	1:j:268:MET:HE3	2.25	0.52
1:k:270:GLY:O	1:k:272:TYR:CD2	2.63	0.52
1:l:131:LEU:HD22	1:l:211:TRP:CE3	2.44	0.52
1:p:238:TYR:CZ	1:p:334:VAL:HG12	2.45	0.52
1:1:82:VAL:HG21	1:1:170:VAL:HG11	1.90	0.52
1:1:241:GLN:NE2	1:1:268:MET:HE3	2.25	0.52
1:A:238:TYR:CZ	1:A:334:VAL:HG12	2.45	0.52
1:B:241:GLN:NE2	1:B:268:MET:HE3	2.25	0.52
1:B:270:GLY:O	1:B:272:TYR:CD2	2.63	0.52
1:H:131:LEU:HD22	1:H:211:TRP:CE3	2.44	0.52
1:H:270:GLY:O	1:H:272:TYR:CD2	2.63	0.52
1:I:250:GLY:CA	1:I:331:GLY:HA2	2.39	0.52
1:I:270:GLY:O	1:I:272:TYR:CD2	2.63	0.52
1:J:131:LEU:HD22	1:J:211:TRP:CE3	2.44	0.52
1:N:131:LEU:HD22	1:N:211:TRP:CE3	2.44	0.52
1:O:270:GLY:O	1:O:272:TYR:CD2	2.63	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:U:250:GLY:CA	1:U:331:GLY:HA2	2.39	0.52
1:X:238:TYR:CZ	1:X:334:VAL:HG12	2.45	0.52
1:X:241:GLN:NE2	1:X:268:MET:HE3	2.25	0.52
1:X:270:GLY:O	1:X:272:TYR:CD2	2.63	0.52
1:Y:250:GLY:CA	1:Y:331:GLY:HA2	2.39	0.52
1:Y:270:GLY:O	1:Y:272:TYR:CD2	2.63	0.52
1:Z:250:GLY:CA	1:Z:331:GLY:HA2	2.39	0.52
1:5:120:ARG:HD2	1:5:226:LEU:HB2	1.91	0.52
1:4:270:GLY:O	1:4:272:TYR:CD2	2.63	0.52
1:a:239:VAL:HG11	1:a:268:MET:HE1	1.90	0.52
1:d:131:LEU:HD22	1:d:211:TRP:CE3	2.44	0.52
1:d:270:GLY:O	1:d:272:TYR:CD2	2.63	0.52
1:f:250:GLY:CA	1:f:331:GLY:HA2	2.39	0.52
1:g:241:GLN:NE2	1:g:268:MET:HE3	2.25	0.52
1:i:270:GLY:CA	1:i:346:PHE:CD1	2.87	0.52
1:k:241:GLN:NE2	1:k:268:MET:HE3	2.25	0.52
1:n:120:ARG:HD2	1:n:226:LEU:HB2	1.91	0.52
1:n:250:GLY:CA	1:n:331:GLY:HA2	2.39	0.52
1:p:241:GLN:NE2	1:p:268:MET:HE3	2.25	0.52
1:p:250:GLY:CA	1:p:331:GLY:HA2	2.39	0.52
1:r:156:TYR:HB3	1:r:212:LYS:HG2	1.91	0.52
1:r:270:GLY:O	1:r:272:TYR:CD2	2.63	0.52
1:s:238:TYR:CZ	1:s:334:VAL:HG12	2.45	0.52
1:s:241:GLN:NE2	1:s:268:MET:HE3	2.25	0.52
1:t:156:TYR:HB3	1:t:212:LYS:HG2	1.91	0.52
1:y:241:GLN:CB	1:y:243:ASN:HD21	2.22	0.52
1:A:156:TYR:HB3	1:A:212:LYS:HG2	1.91	0.52
1:C:120:ARG:HD2	1:C:226:LEU:HB2	1.91	0.52
1:C:241:GLN:NE2	1:C:268:MET:HE3	2.25	0.52
1:E:250:GLY:CA	1:E:331:GLY:HA2	2.39	0.52
1:H:241:GLN:CB	1:H:243:ASN:HD21	2.22	0.52
1:H:270:GLY:CA	1:H:346:PHE:CD1	2.87	0.52
1:K:241:GLN:NE2	1:K:268:MET:HE3	2.25	0.52
1:N:238:TYR:CZ	1:N:334:VAL:HG12	2.45	0.52
1:P:270:GLY:O	1:P:272:TYR:CD2	2.63	0.52
1:Q:241:GLN:CB	1:Q:243:ASN:HD21	2.22	0.52
1:Y:156:TYR:HB3	1:Y:212:LYS:HG2	1.91	0.52
1:Z:131:LEU:HD22	1:Z:211:TRP:CE3	2.44	0.52
1:6:131:LEU:HD22	1:6:211:TRP:CE3	2.44	0.52
1:3:120:ARG:HD2	1:3:226:LEU:HB2	1.91	0.52
1:3:131:LEU:HD22	1:3:211:TRP:CE3	2.44	0.52

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:b:241:GLN:NE2	1:b:268:MET:HE3	2.25	0.52
1:e:82:VAL:HG21	1:e:170:VAL:HG11	1.90	0.52
1:e:239:VAL:HG11	1:e:268:MET:HE1	1.90	0.52
1:f:131:LEU:HD22	1:f:211:TRP:CE3	2.44	0.52
1:h:120:ARG:HD2	1:h:226:LEU:HB2	1.91	0.52
1:h:250:GLY:CA	1:h:331:GLY:HA2	2.39	0.52
1:h:266:ARG:NH2	1:h:360:GLY:O	2.29	0.52
1:j:120:ARG:HD2	1:j:226:LEU:HB2	1.91	0.52
1:w:120:ARG:HD2	1:w:226:LEU:HB2	1.91	0.52
1:x:239:VAL:HG11	1:x:268:MET:HE1	1.90	0.52
1:y:238:TYR:CZ	1:y:334:VAL:HG12	2.45	0.52
1:y:270:GLY:O	1:y:272:TYR:CD2	2.63	0.52
1:1:131:LEU:HD22	1:1:211:TRP:CE3	2.44	0.52
1:1:238:TYR:CZ	1:1:334:VAL:HG12	2.45	0.52
1:D:156:TYR:HB3	1:D:212:LYS:HG2	1.91	0.52
1:L:156:TYR:HB3	1:L:212:LYS:HG2	1.91	0.52
1:O:241:GLN:NE2	1:O:268:MET:HE3	2.25	0.52
1:P:238:TYR:CZ	1:P:334:VAL:HG12	2.45	0.52
1:S:82:VAL:HG21	1:S:170:VAL:HG11	1.90	0.52
1:T:239:VAL:HG11	1:T:268:MET:HE1	1.91	0.52
1:U:156:TYR:HB3	1:U:212:LYS:HG2	1.91	0.52
1:U:270:GLY:O	1:U:272:TYR:CD2	2.63	0.52
1:W:82:VAL:HG21	1:W:170:VAL:HG11	1.90	0.52
1:W:241:GLN:CB	1:W:243:ASN:HD21	2.22	0.52
1:8:250:GLY:CA	1:8:331:GLY:HA2	2.39	0.52
1:4:120:ARG:HD2	1:4:226:LEU:HB2	1.91	0.52
1:d:241:GLN:NE2	1:d:268:MET:HE3	2.25	0.52
1:f:270:GLY:O	1:f:272:TYR:CD2	2.63	0.52
1:m:156:TYR:HB3	1:m:212:LYS:HG2	1.91	0.52
1:p:133:LEU:N	1:p:213:GLN:HE21	1.97	0.52
1:p:241:GLN:CB	1:p:243:ASN:HD21	2.22	0.52
1:r:250:GLY:CA	1:r:331:GLY:HA2	2.39	0.52
1:2:270:GLY:O	1:2:272:TYR:CD2	2.63	0.52
1:B:250:GLY:CA	1:B:331:GLY:HA2	2.39	0.51
1:C:239:VAL:HG11	1:C:268:MET:HE1	1.90	0.51
1:D:120:ARG:HD2	1:D:226:LEU:HB2	1.91	0.51
1:F:241:GLN:CB	1:F:243:ASN:HD21	2.22	0.51
1:H:241:GLN:NE2	1:H:268:MET:HE3	2.25	0.51
1:J:239:VAL:HG11	1:J:268:MET:HE1	1.90	0.51
1:K:156:TYR:HB3	1:K:212:LYS:HG2	1.91	0.51
1:M:241:GLN:NE2	1:M:268:MET:HE3	2.25	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:250:GLY:CA	1:M:331:GLY:HA2	2.39	0.51
1:M:270:GLY:CA	1:M:346:PHE:CD1	2.87	0.51
1:R:82:VAL:HG21	1:R:170:VAL:HG11	1.90	0.51
1:R:238:TYR:CZ	1:R:334:VAL:HG12	2.45	0.51
1:Z:270:GLY:O	1:Z:272:TYR:CD2	2.63	0.51
1:8:120:ARG:HD2	1:8:226:LEU:HB2	1.91	0.51
1:7:120:ARG:HD2	1:7:226:LEU:HB2	1.91	0.51
1:6:182:SER:OG	1:6:187:ASP:OD2	2.23	0.51
1:d:80:MET:SD	1:d:192:THR:OG1	2.61	0.51
1:g:156:TYR:HB3	1:g:212:LYS:HG2	1.91	0.51
1:i:250:GLY:CA	1:i:331:GLY:HA2	2.39	0.51
1:j:239:VAL:HG11	1:j:268:MET:HE1	1.90	0.51
1:k:120:ARG:HD2	1:k:226:LEU:HB2	1.91	0.51
1:k:250:GLY:CA	1:k:331:GLY:HA2	2.39	0.51
1:n:238:TYR:CZ	1:n:334:VAL:HG12	2.45	0.51
1:o:194:SER:N	1:o:197:ASN:O	2.40	0.51
1:o:241:GLN:CB	1:o:243:ASN:HD21	2.22	0.51
1:q:120:ARG:HD2	1:q:226:LEU:HB2	1.91	0.51
1:r:241:GLN:NE2	1:r:268:MET:HE3	2.25	0.51
1:t:241:GLN:NE2	1:t:268:MET:HE3	2.25	0.51
1:v:82:VAL:HG21	1:v:170:VAL:HG11	1.90	0.51
1:x:133:LEU:N	1:x:213:GLN:HE21	1.97	0.51
1:z:120:ARG:HD2	1:z:226:LEU:HB2	1.91	0.51
1:2:120:ARG:HD2	1:2:226:LEU:HB2	1.91	0.51
1:E:238:TYR:CZ	1:E:334:VAL:HG12	2.45	0.51
1:F:182:SER:OG	1:F:187:ASP:OD2	2.23	0.51
1:G:120:ARG:HD2	1:G:226:LEU:HB2	1.91	0.51
1:M:238:TYR:CZ	1:M:334:VAL:HG12	2.45	0.51
1:Q:133:LEU:N	1:Q:213:GLN:HE21	1.97	0.51
1:Q:194:SER:N	1:Q:197:ASN:O	2.40	0.51
1:U:241:GLN:NE2	1:U:268:MET:HE3	2.25	0.51
1:X:241:GLN:CB	1:X:243:ASN:HD21	2.22	0.51
1:6:120:ARG:HD2	1:6:226:LEU:HB2	1.91	0.51
1:5:156:TYR:HB3	1:5:212:LYS:HG2	1.91	0.51
1:c:156:TYR:HB3	1:c:212:LYS:HG2	1.91	0.51
1:i:238:TYR:CZ	1:i:334:VAL:HG12	2.45	0.51
1:i:241:GLN:NE2	1:i:268:MET:HE3	2.25	0.51
1:p:194:SER:N	1:p:197:ASN:O	2.40	0.51
1:t:270:GLY:O	1:t:272:TYR:CD2	2.63	0.51
1:u:82:VAL:HG21	1:u:170:VAL:HG11	1.90	0.51
1:u:238:TYR:CZ	1:u:334:VAL:HG12	2.45	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:w:156:TYR:HB3	1:w:212:LYS:HG2	1.91	0.51
1:z:156:TYR:HB3	1:z:212:LYS:HG2	1.91	0.51
1:2:241:GLN:NE2	1:2:268:MET:HE3	2.25	0.51
1:A:250:GLY:CA	1:A:331:GLY:HA2	2.39	0.51
1:B:120:ARG:HD2	1:B:226:LEU:HB2	1.91	0.51
1:H:40:SER:O	1:W:212:LYS:NZ	2.34	0.51
1:K:120:ARG:HD2	1:K:226:LEU:HB2	1.91	0.51
1:K:270:GLY:O	1:K:272:TYR:CD2	2.63	0.51
1:O:120:ARG:HD2	1:O:226:LEU:HB2	1.91	0.51
1:O:156:TYR:HB3	1:O:212:LYS:HG2	1.91	0.51
1:5:238:TYR:CZ	1:5:334:VAL:HG12	2.45	0.51
1:b:241:GLN:CB	1:b:243:ASN:HD21	2.22	0.51
1:d:270:GLY:CA	1:d:346:PHE:CD1	2.87	0.51
1:u:194:SER:N	1:u:197:ASN:O	2.40	0.51
1:w:238:TYR:CZ	1:w:334:VAL:HG12	2.45	0.51
1:z:241:GLN:NE2	1:z:268:MET:HE3	2.25	0.51
1:2:156:TYR:HB3	1:2:212:LYS:HG2	1.91	0.51
1:B:80:MET:SD	1:B:192:THR:OG1	2.61	0.51
1:C:270:GLY:O	1:C:272:TYR:CD2	2.63	0.51
1:D:194:SER:N	1:D:197:ASN:O	2.40	0.51
1:D:241:GLN:NE2	1:D:268:MET:HE3	2.25	0.51
1:I:241:GLN:NE2	1:I:268:MET:HE3	2.25	0.51
1:J:156:TYR:HB3	1:J:212:LYS:HG2	1.91	0.51
1:L:151:PHE:HE1	1:7:151:PHE:CE2	2.29	0.51
1:O:238:TYR:CZ	1:O:334:VAL:HG12	2.45	0.51
1:P:239:VAL:HG11	1:P:268:MET:HE1	1.90	0.51
1:T:241:GLN:NE2	1:T:268:MET:HE3	2.25	0.51
1:7:133:LEU:N	1:7:213:GLN:HE21	1.97	0.51
1:7:238:TYR:CZ	1:7:334:VAL:HG12	2.45	0.51
1:g:120:ARG:HD2	1:g:226:LEU:HB2	1.91	0.51
1:g:270:GLY:O	1:g:272:TYR:CD2	2.63	0.51
1:k:241:GLN:HE21	1:k:268:MET:HB2	1.76	0.51
1:l:156:TYR:HB3	1:l:212:LYS:HG2	1.91	0.51
1:l:239:VAL:HG11	1:l:268:MET:HE1	1.90	0.51
1:s:250:GLY:CA	1:s:331:GLY:HA2	2.39	0.51
1:x:241:GLN:NE2	1:x:268:MET:HE3	2.25	0.51
1:A:241:GLN:HE21	1:A:268:MET:HB2	1.76	0.51
1:A:280:THR:OG1	1:A:282:ASP:O	2.29	0.51
1:B:241:GLN:HE21	1:B:268:MET:HB2	1.76	0.51
1:D:143:GLY:O	1:D:144:THR:OG1	2.25	0.51
1:E:280:THR:OG1	1:E:282:ASP:O	2.29	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:133:LEU:N	1:F:213:GLN:HE21	1.97	0.51
1:F:194:SER:N	1:F:197:ASN:O	2.40	0.51
1:H:280:THR:OG1	1:H:282:ASP:O	2.29	0.51
1:I:280:THR:OG1	1:I:282:ASP:O	2.29	0.51
1:Q:270:GLY:O	1:Q:272:TYR:CD2	2.63	0.51
1:R:156:TYR:HB3	1:R:212:LYS:HG2	1.91	0.51
1:R:194:SER:N	1:R:197:ASN:O	2.40	0.51
1:T:156:TYR:HB3	1:T:212:LYS:HG2	1.91	0.51
1:V:241:GLN:HE21	1:V:268:MET:HB2	1.76	0.51
1:7:182:SER:OG	1:7:187:ASP:OD2	2.23	0.51
1:6:122:THR:CG2	1:6:123:LYS:N	2.48	0.51
1:6:238:TYR:CZ	1:6:334:VAL:HG12	2.45	0.51
1:4:238:TYR:CZ	1:4:334:VAL:HG12	2.45	0.51
1:4:241:GLN:NE2	1:4:268:MET:HE3	2.25	0.51
1:3:238:TYR:CZ	1:3:334:VAL:HG12	2.45	0.51
1:3:241:GLN:NE2	1:3:268:MET:HE3	2.25	0.51
1:c:182:SER:OG	1:c:187:ASP:OD2	2.23	0.51
1:d:280:THR:OG1	1:d:282:ASP:O	2.29	0.51
1:f:238:TYR:CZ	1:f:334:VAL:HG12	2.45	0.51
1:j:270:GLY:O	1:j:272:TYR:CD2	2.63	0.51
1:m:143:GLY:O	1:m:144:THR:OG1	2.25	0.51
1:m:241:GLN:NE2	1:m:268:MET:HE3	2.25	0.51
1:r:241:GLN:HE21	1:r:268:MET:HE3	1.76	0.51
1:r:280:THR:OG1	1:r:282:ASP:O	2.29	0.51
1:s:280:THR:OG1	1:s:282:ASP:O	2.29	0.51
1:t:280:THR:OG1	1:t:282:ASP:O	2.29	0.51
1:u:241:GLN:NE2	1:u:268:MET:HE3	2.25	0.51
1:x:156:TYR:HB3	1:x:212:LYS:HG2	1.91	0.51
1:z:194:SER:N	1:z:197:ASN:O	2.40	0.51
1:1:270:GLY:CA	1:1:346:PHE:CD1	2.87	0.51
1:2:238:TYR:CZ	1:2:334:VAL:HG12	2.45	0.51
1:A:151:PHE:CE2	1:B:151:PHE:HE1	2.29	0.51
1:B:241:GLN:HE21	1:B:268:MET:HE3	1.76	0.51
1:E:143:GLY:O	1:E:144:THR:OG1	2.25	0.51
1:F:241:GLN:HE21	1:F:268:MET:HE3	1.76	0.51
1:I:194:SER:N	1:I:197:ASN:O	2.40	0.51
1:J:280:THR:OG1	1:J:282:ASP:O	2.29	0.51
1:L:241:GLN:NE2	1:L:268:MET:HE3	2.25	0.51
1:P:241:GLN:NE2	1:P:268:MET:HE3	2.25	0.51
1:T:133:LEU:N	1:T:213:GLN:HE21	1.97	0.51
1:U:241:GLN:HE21	1:U:268:MET:HE3	1.76	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:U:280:THR:OG1	1:U:282:ASP:O	2.29	0.51
1:W:194:SER:N	1:W:197:ASN:O	2.40	0.51
1:Z:238:TYR:CZ	1:Z:334:VAL:HG12	2.45	0.51
1:8:238:TYR:CZ	1:8:334:VAL:HG12	2.45	0.51
1:h:238:TYR:CZ	1:h:334:VAL:HG12	2.45	0.51
1:i:241:GLN:HE21	1:i:268:MET:HB2	1.76	0.51
1:l:270:GLY:O	1:l:272:TYR:CD2	2.63	0.51
1:m:182:SER:OG	1:m:187:ASP:OD2	2.23	0.51
1:n:143:GLY:O	1:n:144:THR:OG1	2.25	0.51
1:n:280:THR:OG1	1:n:282:ASP:O	2.29	0.51
1:o:133:LEU:N	1:o:213:GLN:HE21	1.97	0.51
1:o:270:GLY:O	1:o:272:TYR:CD2	2.63	0.51
1:p:241:GLN:HE21	1:p:268:MET:HE3	1.76	0.51
1:s:241:GLN:HE21	1:s:268:MET:HB2	1.76	0.51
1:t:241:GLN:HE21	1:t:268:MET:HE3	1.76	0.51
1:t:270:GLY:CA	1:t:346:PHE:CD1	2.87	0.51
1:u:156:TYR:HB3	1:u:212:LYS:HG2	1.91	0.51
1:u:266:ARG:NH2	1:u:360:GLY:O	2.29	0.51
1:y:239:VAL:HG11	1:y:268:MET:HE1	1.90	0.51
1:y:241:GLN:NE2	1:y:268:MET:HE3	2.25	0.51
1:B:238:TYR:CZ	1:B:334:VAL:HG12	2.45	0.51
1:D:280:THR:OG1	1:D:282:ASP:O	2.29	0.51
1:G:270:GLY:O	1:G:272:TYR:CD2	2.63	0.51
1:I:241:GLN:HE21	1:I:268:MET:HE3	1.76	0.51
1:J:270:GLY:O	1:J:272:TYR:CD2	2.63	0.51
1:M:241:GLN:HE21	1:M:268:MET:HB2	1.76	0.51
1:R:241:GLN:NE2	1:R:268:MET:HE3	2.25	0.51
1:R:280:THR:OG1	1:R:282:ASP:O	2.29	0.51
1:7:122:THR:CG2	1:7:123:LYS:N	2.48	0.51
1:7:241:GLN:HE21	1:7:268:MET:HB2	1.76	0.51
1:6:241:GLN:HE21	1:6:268:MET:HB2	1.76	0.51
1:5:239:VAL:HG11	1:5:268:MET:HE1	1.91	0.51
1:c:120:ARG:HD2	1:c:226:LEU:HB2	1.91	0.51
1:e:270:GLY:O	1:e:272:TYR:CD2	2.63	0.51
1:k:241:GLN:HE21	1:k:268:MET:HE3	1.76	0.51
1:l:280:THR:OG1	1:l:282:ASP:O	2.29	0.51
1:m:133:LEU:N	1:m:213:GLN:HE21	1.97	0.51
1:q:270:GLY:O	1:q:272:TYR:CD2	2.63	0.51
1:r:238:TYR:CZ	1:r:334:VAL:HG12	2.45	0.51
1:u:280:THR:OG1	1:u:282:ASP:O	2.29	0.51
1:z:280:THR:OG1	1:z:282:ASP:O	2.29	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:238:TYR:CZ	1:C:334:VAL:HG12	2.45	0.51
1:E:241:GLN:HE21	1:E:268:MET:HB2	1.76	0.51
1:H:241:GLN:HE21	1:H:268:MET:HE3	1.76	0.51
1:I:238:TYR:CZ	1:I:334:VAL:HG12	2.45	0.51
1:I:241:GLN:HE21	1:I:268:MET:HB2	1.76	0.51
1:J:120:ARG:HD2	1:J:226:LEU:HB2	1.91	0.51
1:J:241:GLN:NE2	1:J:268:MET:HE3	2.25	0.51
1:L:133:LEU:N	1:L:213:GLN:HE21	1.97	0.51
1:N:270:GLY:CA	1:N:346:PHE:CD1	2.87	0.51
1:S:238:TYR:CZ	1:S:334:VAL:HG12	2.45	0.51
1:U:241:GLN:HE21	1:U:268:MET:HB2	1.76	0.51
1:W:238:TYR:CZ	1:W:334:VAL:HG12	2.45	0.51
1:W:280:THR:OG1	1:W:282:ASP:O	2.29	0.51
1:X:241:GLN:HE21	1:X:268:MET:HE3	1.76	0.51
1:a:241:GLN:HE21	1:a:268:MET:HB2	1.76	0.51
1:a:241:GLN:HE21	1:a:268:MET:HE3	1.76	0.51
1:a:250:GLY:CA	1:a:331:GLY:HA2	2.39	0.51
1:b:241:GLN:HE21	1:b:268:MET:HE3	1.76	0.51
1:d:241:GLN:HE21	1:d:268:MET:HE3	1.76	0.51
1:e:194:SER:N	1:e:197:ASN:O	2.40	0.51
1:j:238:TYR:CZ	1:j:334:VAL:HG12	2.45	0.51
1:l:241:GLN:NE2	1:l:268:MET:HE3	2.25	0.51
1:n:241:GLN:HE21	1:n:268:MET:HB2	1.76	0.51
1:r:241:GLN:HE21	1:r:268:MET:HB2	1.76	0.51
1:s:182:SER:OG	1:s:187:ASP:OD2	2.23	0.51
1:t:182:SER:OG	1:t:187:ASP:OD2	2.23	0.51
1:t:238:TYR:CZ	1:t:334:VAL:HG12	2.45	0.51
1:t:241:GLN:HE21	1:t:268:MET:HB2	1.76	0.51
1:v:156:TYR:HB3	1:v:212:LYS:HG2	1.91	0.51
1:v:182:SER:OG	1:v:187:ASP:OD2	2.23	0.51
1:v:238:TYR:CZ	1:v:334:VAL:HG12	2.45	0.51
1:w:239:VAL:HG11	1:w:268:MET:HE1	1.90	0.51
1:x:194:SER:N	1:x:197:ASN:O	2.40	0.51
1:x:241:GLN:HE21	1:x:268:MET:HE3	1.76	0.51
1:1:143:GLY:O	1:1:144:THR:OG1	2.25	0.51
1:2:133:LEU:N	1:2:213:GLN:HE21	1.97	0.51
1:T:241:GLN:HE21	1:T:268:MET:HE3	1.76	0.51
1:U:270:GLY:CA	1:U:346:PHE:CD1	2.87	0.51
1:V:241:GLN:HE21	1:V:268:MET:HE3	1.76	0.51
1:V:280:THR:OG1	1:V:282:ASP:O	2.29	0.51
1:W:270:GLY:O	1:W:272:TYR:CD2	2.63	0.51

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:182:SER:OG	1:Y:187:ASP:OD2	2.23	0.51
1:4:280:THR:OG1	1:4:282:ASP:O	2.29	0.51
1:3:143:GLY:O	1:3:144:THR:OG1	2.25	0.51
1:3:280:THR:OG1	1:3:282:ASP:O	2.29	0.51
1:e:238:TYR:CZ	1:e:334:VAL:HG12	2.45	0.51
1:e:280:THR:OG1	1:e:282:ASP:O	2.29	0.51
1:i:156:TYR:HB3	1:i:212:LYS:HG2	1.91	0.51
1:k:238:TYR:CZ	1:k:334:VAL:HG12	2.45	0.51
1:l:120:ARG:HD2	1:l:226:LEU:HB2	1.91	0.51
1:r:194:SER:N	1:r:197:ASN:O	2.40	0.51
1:t:228:PHE:HE2	1:t:230:PHE:HE1	0.79	0.51
1:x:241:GLN:HE21	1:x:268:MET:HB2	1.76	0.51
1:A:182:SER:OG	1:A:187:ASP:OD2	2.23	0.51
1:A:266:ARG:NH2	1:A:360:GLY:O	2.29	0.51
1:D:133:LEU:N	1:D:213:GLN:HE21	1.97	0.51
1:G:238:TYR:CZ	1:G:334:VAL:HG12	2.45	0.51
1:L:182:SER:OG	1:L:187:ASP:OD2	2.23	0.51
1:M:156:TYR:HB3	1:M:212:LYS:HG2	1.91	0.51
1:M:280:THR:OG1	1:M:282:ASP:O	2.29	0.51
1:N:143:GLY:O	1:N:144:THR:OG1	2.25	0.51
1:N:280:THR:OG1	1:N:282:ASP:O	2.29	0.51
1:R:266:ARG:NH2	1:R:360:GLY:O	2.29	0.51
1:S:156:TYR:HB3	1:S:212:LYS:HG2	1.91	0.51
1:S:280:THR:OG1	1:S:282:ASP:O	2.29	0.51
1:T:194:SER:N	1:T:197:ASN:O	2.40	0.51
1:T:241:GLN:HE21	1:T:268:MET:HB2	1.76	0.51
1:U:238:TYR:CZ	1:U:334:VAL:HG12	2.45	0.51
1:V:250:GLY:CA	1:V:331:GLY:HA2	2.39	0.51
1:Y:120:ARG:HD2	1:Y:226:LEU:HB2	1.91	0.51
1:6:133:LEU:N	1:6:213:GLN:HE21	1.97	0.51
1:4:239:VAL:HG11	1:4:268:MET:HE1	1.90	0.51
1:a:280:THR:OG1	1:a:282:ASP:O	2.29	0.51
1:c:228:PHE:HE2	1:c:230:PHE:HE1	0.79	0.51
1:g:241:GLN:HE21	1:g:268:MET:HE3	1.76	0.51
1:h:280:THR:OG1	1:h:282:ASP:O	2.29	0.51
1:m:194:SER:N	1:m:197:ASN:O	2.40	0.51
1:v:280:THR:OG1	1:v:282:ASP:O	2.29	0.51
1:C:241:GLN:HE21	1:C:268:MET:HE3	1.76	0.50
1:G:280:THR:OG1	1:G:282:ASP:O	2.29	0.50
1:J:194:SER:N	1:J:197:ASN:O	2.40	0.50
1:J:241:GLN:HE21	1:J:268:MET:HB2	1.76	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:241:GLN:HE21	1:K:268:MET:HE3	1.76	0.50
1:K:280:THR:OG1	1:K:282:ASP:O	2.29	0.50
1:M:241:GLN:HE21	1:M:268:MET:HE3	1.76	0.50
1:Q:280:THR:OG1	1:Q:282:ASP:O	2.29	0.50
1:U:143:GLY:O	1:U:144:THR:OG1	2.25	0.50
1:W:266:ARG:NH2	1:W:360:GLY:O	2.29	0.50
1:Y:228:PHE:HE2	1:Y:230:PHE:HE1	0.79	0.50
1:Y:280:THR:OG1	1:Y:282:ASP:O	2.29	0.50
1:7:280:THR:OG1	1:7:282:ASP:O	2.29	0.50
1:c:280:THR:OG1	1:c:282:ASP:O	2.29	0.50
1:f:280:THR:OG1	1:f:282:ASP:O	2.29	0.50
1:g:280:THR:OG1	1:g:282:ASP:O	2.29	0.50
1:i:241:GLN:HE21	1:i:268:MET:HE3	1.76	0.50
1:i:280:THR:OG1	1:i:282:ASP:O	2.29	0.50
1:j:241:GLN:HE21	1:j:268:MET:HE3	1.76	0.50
1:k:80:MET:SD	1:k:192:THR:OG1	2.61	0.50
1:l:290:GLN:HG2	1:l:291:PHE:N	2.27	0.50
1:o:280:THR:OG1	1:o:282:ASP:O	2.29	0.50
1:q:238:TYR:CZ	1:q:334:VAL:HG12	2.45	0.50
1:q:280:THR:OG1	1:q:282:ASP:O	2.29	0.50
1:s:266:ARG:NH2	1:s:360:GLY:O	2.29	0.50
1:z:133:LEU:N	1:z:213:GLN:HE21	1.97	0.50
1:1:182:SER:OG	1:1:187:ASP:OD2	2.23	0.50
1:1:280:THR:OG1	1:1:282:ASP:O	2.29	0.50
1:A:290:GLN:HG2	1:A:291:PHE:N	2.27	0.50
1:J:290:GLN:HG2	1:J:291:PHE:N	2.27	0.50
1:L:194:SER:N	1:L:197:ASN:O	2.40	0.50
1:L:241:GLN:HE21	1:L:268:MET:HB2	1.76	0.50
1:M:290:GLN:HG2	1:M:291:PHE:N	2.27	0.50
1:O:241:GLN:HE21	1:O:268:MET:HB2	1.76	0.50
1:P:241:GLN:HE21	1:P:268:MET:HB2	1.76	0.50
1:P:241:GLN:HE21	1:P:268:MET:HE3	1.76	0.50
1:S:182:SER:OG	1:S:187:ASP:OD2	2.23	0.50
1:U:182:SER:OG	1:U:187:ASP:OD2	2.23	0.50
1:X:239:VAL:HG11	1:X:268:MET:HE1	1.90	0.50
1:8:280:THR:OG1	1:8:282:ASP:O	2.29	0.50
1:6:280:THR:OG1	1:6:282:ASP:O	2.29	0.50
1:4:143:GLY:O	1:4:144:THR:OG1	2.25	0.50
1:d:133:LEU:N	1:d:213:GLN:HE21	1.97	0.50
1:i:290:GLN:HG2	1:i:291:PHE:N	2.27	0.50
1:k:194:SER:N	1:k:197:ASN:O	2.40	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:l:241:GLN:HE21	1:l:268:MET:HB2	1.76	0.50
1:o:241:GLN:HE21	1:o:268:MET:HE3	1.76	0.50
1:s:290:GLN:HG2	1:s:291:PHE:N	2.27	0.50
1:t:239:VAL:HG11	1:t:268:MET:HE1	1.90	0.50
1:u:290:GLN:HG2	1:u:291:PHE:N	2.27	0.50
1:v:241:GLN:HE21	1:v:268:MET:HE3	1.76	0.50
1:C:280:THR:OG1	1:C:282:ASP:O	2.29	0.50
1:L:280:THR:OG1	1:L:282:ASP:O	2.29	0.50
1:O:133:LEU:N	1:O:213:GLN:HE21	1.97	0.50
1:Q:241:GLN:HE21	1:Q:268:MET:HE3	1.76	0.50
1:R:290:GLN:HG2	1:R:291:PHE:N	2.27	0.50
1:S:241:GLN:HE21	1:S:268:MET:HE3	1.76	0.50
1:T:258:ILE:HG22	1:5:243:ASN:O	2.11	0.50
1:V:194:SER:N	1:V:197:ASN:O	2.40	0.50
1:Z:241:GLN:HE21	1:Z:268:MET:HB2	1.76	0.50
1:Z:280:THR:OG1	1:Z:282:ASP:O	2.29	0.50
1:8:258:ILE:HG22	1:2:243:ASN:O	2.11	0.50
1:3:239:VAL:HG11	1:3:268:MET:HE1	1.90	0.50
1:f:241:GLN:HE21	1:f:268:MET:HB2	1.76	0.50
1:j:280:THR:OG1	1:j:282:ASP:O	2.29	0.50
1:k:151:PHE:HE1	1:s:151:PHE:CE2	2.30	0.50
1:m:241:GLN:HE21	1:m:268:MET:HB2	1.76	0.50
1:s:133:LEU:N	1:s:213:GLN:HE21	1.97	0.50
1:t:143:GLY:O	1:t:144:THR:OG1	2.25	0.50
1:w:243:ASN:O	1:x:258:ILE:HG22	2.11	0.50
1:y:241:GLN:HE21	1:y:268:MET:HB2	1.76	0.50
1:D:241:GLN:HE21	1:D:268:MET:HE3	1.76	0.50
1:E:258:ILE:HG22	1:Q:243:ASN:O	2.12	0.50
1:J:241:GLN:HE21	1:J:268:MET:HE3	1.76	0.50
1:O:243:ASN:O	1:h:258:ILE:HG22	2.11	0.50
1:T:280:THR:OG1	1:T:282:ASP:O	2.29	0.50
1:U:228:PHE:HE2	1:U:230:PHE:HE1	0.79	0.50
1:U:239:VAL:HG11	1:U:268:MET:HE1	1.90	0.50
1:X:241:GLN:HE21	1:X:268:MET:HB2	1.76	0.50
1:Y:241:GLN:HE21	1:Y:268:MET:HE3	1.76	0.50
1:Z:243:ASN:O	1:w:258:ILE:HG22	2.11	0.50
1:3:290:GLN:HG2	1:3:291:PHE:N	2.27	0.50
1:a:194:SER:N	1:a:197:ASN:O	2.40	0.50
1:b:239:VAL:HG11	1:b:268:MET:HE1	1.90	0.50
1:b:241:GLN:HE21	1:b:268:MET:HB2	1.76	0.50
1:b:280:THR:OG1	1:b:282:ASP:O	2.29	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:c:239:VAL:HG11	1:c:268:MET:HE1	1.90	0.50
1:l:194:SER:N	1:l:197:ASN:O	2.40	0.50
1:m:280:THR:OG1	1:m:282:ASP:O	2.29	0.50
1:n:241:GLN:HE21	1:n:268:MET:HE3	1.76	0.50
1:n:258:ILE:HG22	1:o:243:ASN:O	2.12	0.50
1:o:241:GLN:NE2	1:o:268:MET:HE3	2.25	0.50
1:w:280:THR:OG1	1:w:282:ASP:O	2.29	0.50
1:y:241:GLN:HE21	1:y:268:MET:HE3	1.76	0.50
1:1:241:GLN:HE21	1:1:268:MET:HE3	1.76	0.50
1:B:194:SER:N	1:B:197:ASN:O	2.40	0.50
1:C:361:LYS:HD2	1:7:356:ARG:HE	1.75	0.50
1:E:241:GLN:HE21	1:E:268:MET:HE3	1.76	0.50
1:K:241:GLN:HE21	1:K:268:MET:HB2	1.76	0.50
1:O:361:LYS:HD2	1:g:356:ARG:HE	1.77	0.50
1:Q:241:GLN:NE2	1:Q:268:MET:HE3	2.25	0.50
1:V:290:GLN:HG2	1:V:291:PHE:N	2.27	0.50
1:W:290:GLN:HG2	1:W:291:PHE:N	2.27	0.50
1:Y:194:SER:N	1:Y:197:ASN:O	2.40	0.50
1:8:241:GLN:HE21	1:8:268:MET:HE3	1.76	0.50
1:5:258:ILE:HG22	1:f:243:ASN:O	2.11	0.50
1:5:280:THR:OG1	1:5:282:ASP:O	2.29	0.50
1:4:290:GLN:HG2	1:4:291:PHE:N	2.27	0.50
1:b:151:PHE:HE1	1:c:151:PHE:CE2	2.30	0.50
1:c:241:GLN:HE21	1:c:268:MET:HE3	1.76	0.50
1:e:290:GLN:HG2	1:e:291:PHE:N	2.27	0.50
1:g:194:SER:N	1:g:197:ASN:O	2.40	0.50
1:i:133:LEU:N	1:i:213:GLN:HE21	1.97	0.50
1:u:241:GLN:HE21	1:u:268:MET:HE3	1.76	0.50
1:z:241:GLN:HE21	1:z:268:MET:HE3	1.76	0.50
1:2:194:SER:N	1:2:197:ASN:O	2.40	0.50
1:H:133:LEU:N	1:H:213:GLN:HE21	1.97	0.50
1:N:194:SER:N	1:N:197:ASN:O	2.40	0.50
1:N:241:GLN:HE21	1:N:268:MET:HE3	1.76	0.50
1:R:241:GLN:HE21	1:R:268:MET:HE3	1.76	0.50
1:X:151:PHE:HE1	1:Y:151:PHE:CE2	2.30	0.50
1:X:280:THR:OG1	1:X:282:ASP:O	2.29	0.50
1:6:258:ILE:HG22	1:i:243:ASN:O	2.12	0.50
1:6:311:ILE:HB	1:6:314:VAL:HG22	1.94	0.50
1:5:194:SER:N	1:5:197:ASN:O	2.40	0.50
1:a:290:GLN:HG2	1:a:291:PHE:N	2.27	0.50
1:c:241:GLN:HE21	1:c:268:MET:HB2	1.76	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:e:266:ARG:NH2	1:e:360:GLY:O	2.30	0.50
1:f:290:GLN:HG2	1:f:291:PHE:N	2.27	0.50
1:h:241:GLN:HE21	1:h:268:MET:HE3	1.76	0.50
1:l:241:GLN:HE21	1:l:268:MET:HE3	1.76	0.50
1:p:241:GLN:HE21	1:p:268:MET:HB2	1.76	0.50
1:x:228:PHE:HE2	1:x:230:PHE:HE1	0.79	0.50
1:x:280:THR:OG1	1:x:282:ASP:O	2.29	0.50
1:2:280:THR:OG1	1:2:282:ASP:O	2.29	0.50
1:A:133:LEU:N	1:A:213:GLN:HE21	1.97	0.50
1:D:241:GLN:HE21	1:D:268:MET:HB2	1.76	0.50
1:F:241:GLN:HE21	1:F:268:MET:HB2	1.76	0.50
1:H:165:GLN:HE21	1:H:168:SER:HA	1.77	0.50
1:K:194:SER:N	1:K:197:ASN:O	2.40	0.50
1:K:258:ILE:HG22	1:8:243:ASN:O	2.11	0.50
1:K:290:GLN:HG2	1:K:291:PHE:N	2.27	0.50
1:K:356:ARG:HE	1:2:361:LYS:HD2	1.77	0.50
1:L:241:GLN:HE21	1:L:268:MET:HE3	1.76	0.50
1:O:290:GLN:HG2	1:O:291:PHE:N	2.27	0.50
1:Y:241:GLN:HE21	1:Y:268:MET:HB2	1.76	0.50
1:7:311:ILE:HB	1:7:314:VAL:HG22	1.94	0.50
1:5:290:GLN:HG2	1:5:291:PHE:N	2.27	0.50
1:4:151:PHE:HE1	1:b:151:PHE:CE2	2.30	0.50
1:3:131:LEU:HB2	1:3:211:TRP:CH2	2.47	0.50
1:f:311:ILE:HB	1:f:314:VAL:HG22	1.94	0.50
1:g:241:GLN:HE21	1:g:268:MET:HB2	1.76	0.50
1:g:258:ILE:HG22	1:h:243:ASN:O	2.11	0.50
1:g:290:GLN:HG2	1:g:291:PHE:N	2.27	0.50
1:m:165:GLN:HE21	1:m:168:SER:HA	1.77	0.50
1:m:290:GLN:HG2	1:m:291:PHE:N	2.27	0.50
1:t:290:GLN:HG2	1:t:291:PHE:N	2.27	0.50
1:t:311:ILE:HB	1:t:314:VAL:HG22	1.94	0.50
1:w:290:GLN:HG2	1:w:291:PHE:N	2.27	0.50
1:y:280:THR:OG1	1:y:282:ASP:O	2.29	0.50
1:1:290:GLN:HG2	1:1:291:PHE:N	2.27	0.50
1:2:290:GLN:HG2	1:2:291:PHE:N	2.27	0.50
1:B:280:THR:OG1	1:B:282:ASP:O	2.29	0.50
1:B:311:ILE:HB	1:B:314:VAL:HG22	1.94	0.50
1:D:228:PHE:HE2	1:D:230:PHE:HE1	0.79	0.50
1:H:311:ILE:HB	1:H:314:VAL:HG22	1.94	0.50
1:K:250:GLY:HA3	1:K:330:TYR:O	2.12	0.50
1:L:165:GLN:HE21	1:L:168:SER:HA	1.77	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:133:LEU:N	1:M:213:GLN:HE21	1.97	0.50
1:N:290:GLN:HG2	1:N:291:PHE:N	2.27	0.50
1:O:280:THR:OG1	1:O:282:ASP:O	2.29	0.50
1:P:280:THR:OG1	1:P:282:ASP:O	2.29	0.50
1:R:243:ASN:O	1:U:258:ILE:HG22	2.12	0.50
1:S:131:LEU:HB2	1:S:211:TRP:CH2	2.47	0.50
1:T:250:GLY:HA3	1:T:330:TYR:O	2.12	0.50
1:Y:239:VAL:HG11	1:Y:268:MET:HE1	1.91	0.50
1:Z:270:GLY:HA2	1:Z:346:PHE:CE1	2.47	0.50
1:Z:290:GLN:HG2	1:Z:291:PHE:N	2.27	0.50
1:5:241:GLN:HE21	1:5:268:MET:HE3	1.76	0.50
1:4:131:LEU:HB2	1:4:211:TRP:CH2	2.47	0.50
1:c:194:SER:N	1:c:197:ASN:O	2.40	0.50
1:d:131:LEU:HB2	1:d:211:TRP:CH2	2.47	0.50
1:d:165:GLN:HE21	1:d:168:SER:HA	1.77	0.50
1:g:131:LEU:HB2	1:g:211:TRP:CH2	2.47	0.50
1:h:290:GLN:HG2	1:h:291:PHE:N	2.27	0.50
1:k:280:THR:OG1	1:k:282:ASP:O	2.29	0.50
1:m:241:GLN:HE21	1:m:268:MET:HE3	1.76	0.50
1:r:309:GLN:NE2	1:r:320:PRO:HG3	2.27	0.50
1:r:361:LYS:HD2	1:s:356:ARG:HE	1.77	0.50
1:t:258:ILE:HG22	1:u:243:ASN:O	2.12	0.50
1:v:131:LEU:HB2	1:v:211:TRP:CH2	2.47	0.50
1:w:241:GLN:HE21	1:w:268:MET:HE3	1.76	0.50
1:z:241:GLN:HE21	1:z:268:MET:HB2	1.76	0.50
1:A:151:PHE:HE1	1:E:151:PHE:CE2	2.30	0.50
1:D:165:GLN:HE21	1:D:168:SER:HA	1.77	0.50
1:D:258:ILE:HG22	1:N:243:ASN:O	2.12	0.50
1:G:241:GLN:HE21	1:G:268:MET:HE3	1.76	0.50
1:G:258:ILE:HG22	1:I:243:ASN:O	2.12	0.50
1:H:131:LEU:HB2	1:H:211:TRP:CH2	2.47	0.50
1:H:250:GLY:HA3	1:H:330:TYR:O	2.12	0.50
1:I:309:GLN:NE2	1:I:320:PRO:HG3	2.27	0.50
1:J:131:LEU:HB2	1:J:211:TRP:CH2	2.47	0.50
1:J:151:PHE:HE1	1:8:151:PHE:CE2	2.30	0.50
1:K:131:LEU:HB2	1:K:211:TRP:CH2	2.47	0.50
1:L:290:GLN:HG2	1:L:291:PHE:N	2.27	0.50
1:M:131:LEU:HB2	1:M:211:TRP:CH2	2.47	0.50
1:N:266:ARG:NH2	1:N:360:GLY:O	2.30	0.50
1:O:131:LEU:HB2	1:O:211:TRP:CH2	2.47	0.50
1:O:194:SER:N	1:O:197:ASN:O	2.40	0.50

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:194:SER:N	1:P:197:ASN:O	2.40	0.50
1:R:131:LEU:HB2	1:R:211:TRP:CH2	2.47	0.50
1:T:270:GLY:CA	1:T:346:PHE:CD1	2.87	0.50
1:U:290:GLN:HG2	1:U:291:PHE:N	2.27	0.50
1:U:311:ILE:HB	1:U:314:VAL:HG22	1.94	0.50
1:X:165:GLN:HE21	1:X:168:SER:HA	1.77	0.50
1:Z:311:ILE:HB	1:Z:314:VAL:HG22	1.94	0.50
1:8:241:GLN:HE21	1:8:268:MET:HB2	1.76	0.50
1:4:250:GLY:HA3	1:4:330:TYR:O	2.12	0.50
1:3:250:GLY:HA3	1:3:330:TYR:O	2.12	0.50
1:b:131:LEU:HB2	1:b:211:TRP:CH2	2.47	0.50
1:b:165:GLN:HE21	1:b:168:SER:HA	1.77	0.50
1:d:311:ILE:HB	1:d:314:VAL:HG22	1.94	0.50
1:f:270:GLY:HA2	1:f:346:PHE:CE1	2.47	0.50
1:g:250:GLY:HA3	1:g:330:TYR:O	2.12	0.50
1:h:151:PHE:CE2	1:l:151:PHE:HE1	2.30	0.50
1:k:311:ILE:HB	1:k:314:VAL:HG22	1.94	0.50
1:l:131:LEU:HB2	1:l:211:TRP:CH2	2.47	0.50
1:o:151:PHE:CE2	1:y:151:PHE:HE1	2.30	0.50
1:o:361:LYS:HD2	1:p:356:ARG:HE	1.77	0.50
1:x:270:GLY:CA	1:x:346:PHE:CD1	2.87	0.50
1:z:165:GLN:HE21	1:z:168:SER:HA	1.77	0.50
1:1:131:LEU:HB2	1:1:211:TRP:CH2	2.47	0.50
1:2:241:GLN:HE21	1:2:268:MET:HB2	1.76	0.50
1:A:239:VAL:HG11	1:A:268:MET:HE1	1.90	0.49
1:A:241:GLN:HE21	1:A:268:MET:HE3	1.76	0.49
1:A:311:ILE:HB	1:A:314:VAL:HG22	1.94	0.49
1:C:270:GLY:HA2	1:C:346:PHE:CE1	2.47	0.49
1:F:243:ASN:O	1:Q:258:ILE:HG22	2.12	0.49
1:F:280:THR:OG1	1:F:282:ASP:O	2.29	0.49
1:F:309:GLN:NE2	1:F:320:PRO:HG3	2.27	0.49
1:I:165:GLN:HE21	1:I:168:SER:HA	1.77	0.49
1:I:179:PRO:O	1:I:188:TYR:OH	2.25	0.49
1:J:361:LYS:HD2	1:L:356:ARG:HE	1.77	0.49
1:M:210:TYR:CE2	1:7:47:TRP:CZ3	3.00	0.49
1:M:250:GLY:HA3	1:M:330:TYR:O	2.12	0.49
1:N:131:LEU:HB2	1:N:211:TRP:CH2	2.47	0.49
1:O:151:PHE:HE1	1:P:151:PHE:CE2	2.30	0.49
1:O:250:GLY:HA3	1:O:330:TYR:O	2.12	0.49
1:P:151:PHE:HE1	1:Q:151:PHE:CE2	2.30	0.49
1:R:165:GLN:HE21	1:R:168:SER:HA	1.77	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:U:250:GLY:HA3	1:U:330:TYR:O	2.12	0.49
1:Y:250:GLY:HA3	1:Y:330:TYR:O	2.12	0.49
1:8:270:GLY:HA2	1:8:346:PHE:CE1	2.47	0.49
1:8:290:GLN:HG2	1:8:291:PHE:N	2.27	0.49
1:7:241:GLN:HE21	1:7:268:MET:HE3	1.76	0.49
1:c:250:GLY:HA3	1:c:330:TYR:O	2.12	0.49
1:d:250:GLY:HA3	1:d:330:TYR:O	2.12	0.49
1:e:311:ILE:HB	1:e:314:VAL:HG22	1.94	0.49
1:g:311:ILE:HB	1:g:314:VAL:HG22	1.94	0.49
1:i:250:GLY:HA3	1:i:330:TYR:O	2.12	0.49
1:j:270:GLY:HA2	1:j:346:PHE:CE1	2.47	0.49
1:p:280:THR:OG1	1:p:282:ASP:O	2.29	0.49
1:p:309:GLN:NE2	1:p:320:PRO:HG3	2.27	0.49
1:r:165:GLN:HE21	1:r:168:SER:HA	1.77	0.49
1:r:179:PRO:O	1:r:188:TYR:OH	2.25	0.49
1:s:250:GLY:HA3	1:s:330:TYR:O	2.12	0.49
1:s:311:ILE:HB	1:s:314:VAL:HG22	1.94	0.49
1:u:131:LEU:HB2	1:u:211:TRP:CH2	2.47	0.49
1:w:194:SER:N	1:w:197:ASN:O	2.40	0.49
1:w:250:GLY:HA3	1:w:330:TYR:O	2.12	0.49
1:x:250:GLY:HA3	1:x:330:TYR:O	2.12	0.49
1:z:258:ILE:HG22	1:1:243:ASN:O	2.12	0.49
1:2:131:LEU:HB2	1:2:211:TRP:CH2	2.47	0.49
1:A:250:GLY:HA3	1:A:330:TYR:O	2.12	0.49
1:B:131:LEU:HB2	1:B:211:TRP:CH2	2.47	0.49
1:D:239:VAL:HG11	1:D:268:MET:HE1	1.90	0.49
1:D:243:ASN:O	1:P:258:ILE:HG22	2.12	0.49
1:F:151:PHE:CE2	1:R:151:PHE:HE1	2.30	0.49
1:H:309:GLN:NE2	1:H:320:PRO:HG3	2.27	0.49
1:I:151:PHE:HE1	1:J:151:PHE:CE2	2.30	0.49
1:K:311:ILE:HB	1:K:314:VAL:HG22	1.94	0.49
1:P:309:GLN:NE2	1:P:320:PRO:HG3	2.27	0.49
1:Q:151:PHE:HE1	1:S:151:PHE:CE2	2.30	0.49
1:R:309:GLN:NE2	1:R:320:PRO:HG3	2.27	0.49
1:S:151:PHE:HE1	1:5:151:PHE:CE2	2.30	0.49
1:S:258:ILE:HG22	1:U:243:ASN:O	2.12	0.49
1:T:228:PHE:HE2	1:T:230:PHE:HE1	0.79	0.49
1:X:131:LEU:HB2	1:X:211:TRP:CH2	2.47	0.49
1:X:151:PHE:CE2	1:3:151:PHE:HE1	2.30	0.49
1:X:311:ILE:HB	1:X:314:VAL:HG22	1.94	0.49
1:Z:356:ARG:HE	1:w:361:LYS:HD2	1.77	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5:361:LYS:HD2	1:f:356:ARG:HE	1.77	0.49
1:3:243:ASN:O	1:a:258:ILE:HG22	2.12	0.49
1:b:194:SER:N	1:b:197:ASN:O	2.40	0.49
1:c:165:GLN:HE21	1:c:168:SER:HA	1.77	0.49
1:c:243:ASN:O	1:e:258:ILE:HG22	2.12	0.49
1:e:131:LEU:HB2	1:e:211:TRP:CH2	2.47	0.49
1:e:309:GLN:NE2	1:e:320:PRO:HG3	2.27	0.49
1:h:241:GLN:HE21	1:h:268:MET:HB2	1.76	0.49
1:h:270:GLY:HA2	1:h:346:PHE:CE1	2.47	0.49
1:i:131:LEU:HB2	1:i:211:TRP:CH2	2.47	0.49
1:l:151:PHE:CE2	1:r:151:PHE:HE1	2.30	0.49
1:l:309:GLN:NE2	1:l:320:PRO:HG3	2.27	0.49
1:n:151:PHE:CE2	1:s:151:PHE:HE1	2.30	0.49
1:q:241:GLN:HE21	1:q:268:MET:HE3	1.76	0.49
1:q:258:ILE:HG22	1:r:243:ASN:O	2.12	0.49
1:t:250:GLY:HA3	1:t:330:TYR:O	2.12	0.49
1:u:250:GLY:HA3	1:u:330:TYR:O	2.12	0.49
1:u:309:GLN:NE2	1:u:320:PRO:HG3	2.27	0.49
1:v:151:PHE:HE1	1:w:151:PHE:CE2	2.30	0.49
1:v:309:GLN:NE2	1:v:320:PRO:HG3	2.27	0.49
1:w:165:GLN:HE21	1:w:168:SER:HA	1.77	0.49
1:x:309:GLN:NE2	1:x:320:PRO:HG3	2.27	0.49
1:y:151:PHE:CE2	1:2:151:PHE:HE1	2.30	0.49
1:y:194:SER:N	1:y:197:ASN:O	2.40	0.49
1:y:258:ILE:HG22	1:z:243:ASN:O	2.12	0.49
1:z:143:GLY:O	1:z:144:THR:OG1	2.25	0.49
1:1:311:ILE:HB	1:1:314:VAL:HG22	1.94	0.49
1:2:250:GLY:HA3	1:2:330:TYR:O	2.12	0.49
1:A:165:GLN:HE21	1:A:168:SER:HA	1.77	0.49
1:A:356:ARG:HE	1:I:361:LYS:HD2	1.78	0.49
1:C:47:TRP:CZ3	1:7:210:TYR:CE2	3.00	0.49
1:J:309:GLN:NE2	1:J:320:PRO:HG3	2.27	0.49
1:K:151:PHE:HE1	1:L:151:PHE:CE2	2.30	0.49
1:L:311:ILE:HB	1:L:314:VAL:HG22	1.94	0.49
1:M:143:GLY:O	1:M:144:THR:OG1	2.25	0.49
1:N:165:GLN:HE21	1:N:168:SER:HA	1.77	0.49
1:N:311:ILE:HB	1:N:314:VAL:HG22	1.94	0.49
1:P:250:GLY:HA3	1:P:330:TYR:O	2.12	0.49
1:R:250:GLY:HA3	1:R:330:TYR:O	2.12	0.49
1:S:309:GLN:NE2	1:S:320:PRO:HG3	2.27	0.49
1:T:309:GLN:NE2	1:T:320:PRO:HG3	2.27	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:V:258:ILE:HG22	1:4:243:ASN:O	2.12	0.49
1:W:131:LEU:HB2	1:W:211:TRP:CH2	2.47	0.49
1:W:258:ILE:HG22	1:Y:243:ASN:O	2.12	0.49
1:W:309:GLN:NE2	1:W:320:PRO:HG3	2.27	0.49
1:Y:133:LEU:N	1:Y:213:GLN:HE21	1.97	0.49
1:Y:165:GLN:HE21	1:Y:168:SER:HA	1.77	0.49
1:Z:241:GLN:HE21	1:Z:268:MET:HE3	1.76	0.49
1:8:165:GLN:HE21	1:8:168:SER:HA	1.77	0.49
1:7:89:ARG:HH11	1:7:180:VAL:HG21	1.78	0.49
1:7:165:GLN:HE21	1:7:168:SER:HA	1.77	0.49
1:7:250:GLY:HA3	1:7:330:TYR:O	2.12	0.49
1:6:165:GLN:HE21	1:6:168:SER:HA	1.77	0.49
1:6:241:GLN:HE21	1:6:268:MET:HE3	1.76	0.49
1:5:131:LEU:HB2	1:5:211:TRP:CH2	2.47	0.49
1:5:165:GLN:HE21	1:5:168:SER:HA	1.77	0.49
1:5:250:GLY:HA3	1:5:330:TYR:O	2.12	0.49
1:4:241:GLN:HE21	1:4:268:MET:HB2	1.76	0.49
1:d:309:GLN:NE2	1:d:320:PRO:HG3	2.27	0.49
1:e:241:GLN:HE21	1:e:268:MET:HE3	1.76	0.49
1:g:133:LEU:N	1:g:213:GLN:HE21	1.97	0.49
1:h:165:GLN:HE21	1:h:168:SER:HA	1.77	0.49
1:h:311:ILE:HB	1:h:314:VAL:HG22	1.94	0.49
1:i:258:ILE:HG22	1:j:243:ASN:O	2.13	0.49
1:i:361:LYS:HD2	1:j:356:ARG:HE	1.77	0.49
1:k:131:LEU:HB2	1:k:211:TRP:CH2	2.47	0.49
1:l:182:SER:OG	1:l:187:ASP:OD2	2.23	0.49
1:l:258:ILE:HG22	1:m:243:ASN:O	2.12	0.49
1:l:361:LYS:HD2	1:m:356:ARG:HE	1.77	0.49
1:m:250:GLY:HA3	1:m:330:TYR:O	2.12	0.49
1:m:311:ILE:HB	1:m:314:VAL:HG22	1.94	0.49
1:o:151:PHE:HE1	1:v:151:PHE:CE2	2.31	0.49
1:p:151:PHE:HE1	1:q:151:PHE:CE2	2.29	0.49
1:p:151:PHE:CE2	1:u:151:PHE:HE1	2.30	0.49
1:q:243:ASN:O	1:s:258:ILE:HG22	2.12	0.49
1:s:165:GLN:HE21	1:s:168:SER:HA	1.77	0.49
1:s:241:GLN:HE21	1:s:268:MET:HE3	1.76	0.49
1:s:309:GLN:NE2	1:s:320:PRO:HG3	2.27	0.49
1:u:165:GLN:HE21	1:u:168:SER:HA	1.77	0.49
1:w:131:LEU:HB2	1:w:211:TRP:CH2	2.47	0.49
1:y:250:GLY:HA3	1:y:330:TYR:O	2.12	0.49
1:y:309:GLN:NE2	1:y:320:PRO:HG3	2.27	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:z:228:PHE:HE2	1:z:230:PHE:HE1	0.79	0.49
1:1:165:GLN:HE21	1:1:168:SER:HA	1.77	0.49
1:A:309:GLN:NE2	1:A:320:PRO:HG3	2.27	0.49
1:B:143:GLY:O	1:B:144:THR:OG1	2.25	0.49
1:B:151:PHE:CE2	1:C:151:PHE:HE1	2.30	0.49
1:C:356:ARG:HE	1:M:361:LYS:HD2	1.77	0.49
1:D:250:GLY:HA3	1:D:330:TYR:O	2.12	0.49
1:G:228:PHE:HE2	1:G:230:PHE:HE1	0.79	0.49
1:G:361:LYS:HD2	1:I:356:ARG:HE	1.78	0.49
1:H:361:LYS:HD2	1:W:356:ARG:HE	1.77	0.49
1:I:239:VAL:HG11	1:I:268:MET:HE1	1.91	0.49
1:J:258:ILE:HG22	1:L:243:ASN:O	2.12	0.49
1:L:250:GLY:HA3	1:L:330:TYR:O	2.12	0.49
1:N:250:GLY:HA3	1:N:330:TYR:O	2.12	0.49
1:O:241:GLN:HE21	1:O:268:MET:HE3	1.76	0.49
1:P:311:ILE:HB	1:P:314:VAL:HG22	1.94	0.49
1:Q:250:GLY:HA3	1:Q:330:TYR:O	2.12	0.49
1:Q:309:GLN:NE2	1:Q:320:PRO:HG3	2.27	0.49
1:V:89:ARG:HH11	1:V:180:VAL:HG21	1.78	0.49
1:W:241:GLN:HE21	1:W:268:MET:HE3	1.76	0.49
1:W:311:ILE:HB	1:W:314:VAL:HG22	1.94	0.49
1:Z:361:LYS:HD2	1:x:356:ARG:HE	1.77	0.49
1:6:89:ARG:HH11	1:6:180:VAL:HG21	1.78	0.49
1:6:151:PHE:CE2	1:m:151:PHE:HE1	2.30	0.49
1:6:243:ASN:O	1:j:258:ILE:HG22	2.12	0.49
1:6:250:GLY:HA3	1:6:330:TYR:O	2.12	0.49
1:5:182:SER:OG	1:5:187:ASP:OD2	2.23	0.49
1:3:241:GLN:HE21	1:3:268:MET:HB2	1.76	0.49
1:a:89:ARG:HH11	1:a:180:VAL:HG21	1.78	0.49
1:a:250:GLY:HA3	1:a:330:TYR:O	2.12	0.49
1:b:311:ILE:HB	1:b:314:VAL:HG22	1.94	0.49
1:c:258:ILE:HG22	1:d:243:ASN:O	2.12	0.49
1:d:258:ILE:HG22	1:e:243:ASN:O	2.12	0.49
1:d:361:LYS:HD2	1:e:356:ARG:HE	1.77	0.49
1:g:151:PHE:HE1	1:m:151:PHE:CE2	2.31	0.49
1:j:151:PHE:HE1	1:k:151:PHE:CE2	2.30	0.49
1:n:131:LEU:HB2	1:n:211:TRP:CH2	2.47	0.49
1:t:243:ASN:O	1:v:258:ILE:HG22	2.12	0.49
1:y:311:ILE:HB	1:y:314:VAL:HG22	1.94	0.49
1:z:309:GLN:NE2	1:z:320:PRO:HG3	2.27	0.49
1:1:250:GLY:HA3	1:1:330:TYR:O	2.12	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1:266:ARG:NH2	1:1:360:GLY:O	2.30	0.49
1:A:258:ILE:HG22	1:G:243:ASN:O	2.12	0.49
1:C:241:GLN:HB3	1:C:243:ASN:HD21	1.78	0.49
1:C:243:ASN:O	1:M:258:ILE:HG22	2.13	0.49
1:D:309:GLN:NE2	1:D:320:PRO:HG3	2.27	0.49
1:D:356:ARG:HE	1:P:361:LYS:HD2	1.77	0.49
1:E:131:LEU:HB2	1:E:211:TRP:CH2	2.47	0.49
1:E:309:GLN:NE2	1:E:320:PRO:HG3	2.27	0.49
1:H:243:ASN:O	1:Y:258:ILE:HG22	2.12	0.49
1:H:258:ILE:HG22	1:W:243:ASN:O	2.12	0.49
1:I:131:LEU:HB2	1:I:211:TRP:CH2	2.47	0.49
1:J:182:SER:OG	1:J:187:ASP:OD2	2.23	0.49
1:K:151:PHE:CE2	1:1:151:PHE:HE1	2.30	0.49
1:O:309:GLN:NE2	1:O:320:PRO:HG3	2.27	0.49
1:T:131:LEU:HB2	1:T:211:TRP:CH2	2.47	0.49
1:T:290:GLN:HG2	1:T:291:PHE:N	2.27	0.49
1:X:243:ASN:O	1:4:258:ILE:HG22	2.12	0.49
1:Z:131:LEU:HB2	1:Z:211:TRP:CH2	2.47	0.49
1:8:311:ILE:HB	1:8:314:VAL:HG22	1.94	0.49
1:6:131:LEU:HB2	1:6:211:TRP:CH2	2.47	0.49
1:6:309:GLN:NE2	1:6:320:PRO:HG3	2.27	0.49
1:4:241:GLN:HE21	1:4:268:MET:HE3	1.76	0.49
1:3:258:ILE:HG22	1:b:243:ASN:O	2.12	0.49
1:f:89:ARG:HH11	1:f:180:VAL:HG21	1.78	0.49
1:f:241:GLN:HE21	1:f:268:MET:HE3	1.76	0.49
1:g:89:ARG:HH11	1:g:180:VAL:HG21	1.78	0.49
1:i:143:GLY:O	1:i:144:THR:OG1	2.25	0.49
1:i:309:GLN:NE2	1:i:320:PRO:HG3	2.27	0.49
1:k:143:GLY:O	1:k:144:THR:OG1	2.25	0.49
1:k:270:GLY:HA2	1:k:346:PHE:CE1	2.47	0.49
1:n:243:ASN:O	1:p:258:ILE:HG22	2.12	0.49
1:o:250:GLY:HA3	1:o:330:TYR:O	2.12	0.49
1:p:290:GLN:HG2	1:p:291:PHE:N	2.27	0.49
1:q:361:LYS:HD2	1:r:356:ARG:HE	1.78	0.49
1:r:239:VAL:HG11	1:r:268:MET:HE1	1.91	0.49
1:s:239:VAL:HG11	1:s:268:MET:HE1	1.90	0.49
1:t:165:GLN:HE21	1:t:168:SER:HA	1.77	0.49
1:t:309:GLN:NE2	1:t:320:PRO:HG3	2.27	0.49
1:x:165:GLN:HE21	1:x:168:SER:HA	1.77	0.49
1:z:239:VAL:HG11	1:z:268:MET:HE1	1.90	0.49
1:z:250:GLY:HA3	1:z:330:TYR:O	2.12	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1:241:GLN:HE21	1:1:268:MET:HB2	1.76	0.49
1:2:309:GLN:NE2	1:2:320:PRO:HG3	2.27	0.49
1:A:179:PRO:O	1:A:188:TYR:OH	2.25	0.49
1:B:165:GLN:HE21	1:B:168:SER:HA	1.77	0.49
1:B:243:ASN:O	1:L:258:ILE:HG22	2.12	0.49
1:B:270:GLY:HA2	1:B:346:PHE:CE1	2.47	0.49
1:F:290:GLN:HG2	1:F:291:PHE:N	2.27	0.49
1:G:131:LEU:HB2	1:G:211:TRP:CH2	2.47	0.49
1:G:309:GLN:NE2	1:G:320:PRO:HG3	2.27	0.49
1:J:165:GLN:HE21	1:J:168:SER:HA	1.77	0.49
1:K:89:ARG:HH11	1:K:180:VAL:HG21	1.78	0.49
1:M:151:PHE:HE1	1:N:151:PHE:CE2	2.30	0.49
1:N:151:PHE:HE1	1:g:151:PHE:CE2	2.30	0.49
1:Q:89:ARG:HH11	1:Q:180:VAL:HG21	1.78	0.49
1:Q:165:GLN:HE21	1:Q:168:SER:HA	1.77	0.49
1:R:143:GLY:O	1:R:144:THR:OG1	2.25	0.49
1:T:89:ARG:HH11	1:T:180:VAL:HG21	1.78	0.49
1:T:165:GLN:HE21	1:T:168:SER:HA	1.77	0.49
1:T:241:GLN:HB3	1:T:243:ASN:HD21	1.78	0.49
1:T:311:ILE:HB	1:T:314:VAL:HG22	1.94	0.49
1:T:356:ARG:HE	1:f:361:LYS:HD2	1.77	0.49
1:U:131:LEU:HB2	1:U:211:TRP:CH2	2.47	0.49
1:U:165:GLN:HE21	1:U:168:SER:HA	1.77	0.49
1:U:309:GLN:NE2	1:U:320:PRO:HG3	2.27	0.49
1:X:194:SER:N	1:X:197:ASN:O	2.40	0.49
1:Z:89:ARG:HH11	1:Z:180:VAL:HG21	1.78	0.49
1:7:131:LEU:HB2	1:7:211:TRP:CH2	2.47	0.49
1:7:309:GLN:NE2	1:7:320:PRO:HG3	2.27	0.49
1:a:241:GLN:HB3	1:a:243:ASN:HD21	1.78	0.49
1:c:89:ARG:HH11	1:c:180:VAL:HG21	1.78	0.49
1:i:151:PHE:HE1	1:1:151:PHE:CE2	2.30	0.49
1:i:241:GLN:HB3	1:i:243:ASN:HD21	1.78	0.49
1:j:131:LEU:HB2	1:j:211:TRP:CH2	2.47	0.49
1:k:258:ILE:HG22	1:l:243:ASN:O	2.13	0.49
1:l:165:GLN:HE21	1:l:168:SER:HA	1.77	0.49
1:n:309:GLN:NE2	1:n:320:PRO:HG3	2.27	0.49
1:o:89:ARG:HH11	1:o:180:VAL:HG21	1.78	0.49
1:o:165:GLN:HE21	1:o:168:SER:HA	1.77	0.49
1:o:258:ILE:HG22	1:p:243:ASN:O	2.13	0.49
1:o:309:GLN:NE2	1:o:320:PRO:HG3	2.27	0.49
1:q:131:LEU:HB2	1:q:211:TRP:CH2	2.47	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:r:131:LEU:HB2	1:r:211:TRP:CH2	2.47	0.49
1:t:131:LEU:HB2	1:t:211:TRP:CH2	2.47	0.49
1:t:270:GLY:HA2	1:t:346:PHE:CE1	2.47	0.49
1:x:89:ARG:HH11	1:x:180:VAL:HG21	1.78	0.49
1:x:131:LEU:HB2	1:x:211:TRP:CH2	2.47	0.49
1:x:241:GLN:HB3	1:x:243:ASN:HD21	1.78	0.49
1:x:290:GLN:HG2	1:x:291:PHE:N	2.27	0.49
1:y:89:ARG:HH11	1:y:180:VAL:HG21	1.78	0.49
1:B:258:ILE:HG22	1:J:243:ASN:O	2.13	0.49
1:C:258:ILE:HG22	1:7:243:ASN:O	2.12	0.49
1:C:290:GLN:HG2	1:C:291:PHE:N	2.27	0.49
1:E:133:LEU:N	1:E:213:GLN:HE21	1.97	0.49
1:E:228:PHE:HE2	1:E:230:PHE:HE1	0.79	0.49
1:E:241:GLN:HB3	1:E:243:ASN:HD21	1.78	0.49
1:G:151:PHE:HE1	1:W:151:PHE:CE2	2.31	0.49
1:H:89:ARG:HH11	1:H:180:VAL:HG21	1.78	0.49
1:J:250:GLY:HA3	1:J:330:TYR:O	2.12	0.49
1:K:133:LEU:N	1:K:213:GLN:HE21	1.97	0.49
1:K:270:GLY:HA2	1:K:346:PHE:CE1	2.47	0.49
1:L:131:LEU:HB2	1:L:211:TRP:CH2	2.47	0.49
1:M:165:GLN:HE21	1:M:168:SER:HA	1.77	0.49
1:M:309:GLN:NE2	1:M:320:PRO:HG3	2.27	0.49
1:O:89:ARG:HH11	1:O:180:VAL:HG21	1.78	0.49
1:P:89:ARG:HH11	1:P:180:VAL:HG21	1.78	0.49
1:P:165:GLN:HE21	1:P:168:SER:HA	1.77	0.49
1:P:241:GLN:HB3	1:P:243:ASN:HD21	1.78	0.49
1:Q:241:GLN:HB3	1:Q:243:ASN:HD21	1.78	0.49
1:R:151:PHE:CE2	1:V:151:PHE:HE1	2.30	0.49
1:T:151:PHE:CE2	1:c:151:PHE:HE1	2.30	0.49
1:U:151:PHE:HE1	1:4:151:PHE:CE2	2.30	0.49
1:V:241:GLN:HB3	1:V:243:ASN:HD21	1.78	0.49
1:V:250:GLY:HA3	1:V:330:TYR:O	2.12	0.49
1:W:182:SER:OG	1:W:187:ASP:OD2	2.23	0.49
1:Y:89:ARG:HH11	1:Y:180:VAL:HG21	1.78	0.49
1:Y:131:LEU:HB2	1:Y:211:TRP:CH2	2.47	0.49
1:Z:258:ILE:HG22	1:x:243:ASN:O	2.13	0.49
1:Z:279:ARG:HG3	1:8:71:ASN:HD22	1.78	0.49
1:7:194:SER:N	1:7:197:ASN:O	2.40	0.49
1:6:80:MET:HB3	1:6:201:PRO:HG2	1.95	0.49
1:3:89:ARG:HH11	1:3:180:VAL:HG21	1.78	0.49
1:3:241:GLN:HE21	1:3:268:MET:HE3	1.76	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3:311:ILE:HB	1:3:314:VAL:HG22	1.94	0.49
1:a:151:PHE:HE1	1:u:151:PHE:CE2	2.30	0.49
1:d:89:ARG:HH11	1:d:180:VAL:HG21	1.78	0.49
1:d:241:GLN:HE21	1:d:268:MET:HB2	1.76	0.49
1:e:151:PHE:CE2	1:q:151:PHE:HE1	2.31	0.49
1:f:131:LEU:HB2	1:f:211:TRP:CH2	2.47	0.49
1:g:270:GLY:HA2	1:g:346:PHE:CE1	2.47	0.49
1:h:131:LEU:HB2	1:h:211:TRP:CH2	2.47	0.49
1:h:279:ARG:HG3	1:l:71:ASN:HD22	1.78	0.49
1:j:241:GLN:HE21	1:j:268:MET:HB2	1.76	0.49
1:j:241:GLN:HB3	1:j:243:ASN:HD21	1.78	0.49
1:k:165:GLN:HE21	1:k:168:SER:HA	1.77	0.49
1:k:243:ASN:O	1:m:258:ILE:HG22	2.12	0.49
1:m:131:LEU:HB2	1:m:211:TRP:CH2	2.47	0.49
1:m:309:GLN:NE2	1:m:320:PRO:HG3	2.27	0.49
1:o:241:GLN:HB3	1:o:243:ASN:HD21	1.78	0.49
1:q:309:GLN:NE2	1:q:320:PRO:HG3	2.27	0.49
1:r:258:ILE:HG22	1:s:243:ASN:O	2.12	0.49
1:w:182:SER:OG	1:w:187:ASP:OD2	2.23	0.49
1:x:311:ILE:HB	1:x:314:VAL:HG22	1.94	0.49
1:y:165:GLN:HE21	1:y:168:SER:HA	1.77	0.49
1:y:241:GLN:HB3	1:y:243:ASN:HD21	1.78	0.49
1:y:361:LYS:HD2	1:z:356:ARG:HE	1.78	0.49
1:z:131:LEU:HB2	1:z:211:TRP:CH2	2.47	0.49
1:2:241:GLN:HE21	1:2:268:MET:HE3	1.76	0.49
1:2:270:GLY:HA2	1:2:346:PHE:CE1	2.47	0.49
1:A:131:LEU:HB2	1:A:211:TRP:CH2	2.47	0.49
1:B:309:GLN:NE2	1:B:320:PRO:HG3	2.27	0.49
1:C:89:ARG:HH11	1:C:180:VAL:HG21	1.78	0.49
1:C:131:LEU:HB2	1:C:211:TRP:CH2	2.47	0.49
1:D:131:LEU:HB2	1:D:211:TRP:CH2	2.47	0.49
1:E:243:ASN:O	1:F:258:ILE:HG22	2.12	0.49
1:E:290:GLN:HG2	1:E:291:PHE:N	2.27	0.49
1:G:80:MET:HB3	1:G:201:PRO:HG2	1.95	0.49
1:H:182:SER:OG	1:H:187:ASP:OD2	2.23	0.49
1:H:241:GLN:HE21	1:H:268:MET:HB2	1.76	0.49
1:M:241:GLN:HB3	1:M:243:ASN:HD21	1.78	0.49
1:N:241:GLN:HE21	1:N:268:MET:HB2	1.76	0.49
1:O:356:ARG:HE	1:h:361:LYS:HD2	1.77	0.49
1:R:241:GLN:HE21	1:R:268:MET:HB2	1.76	0.49
1:R:361:LYS:HD2	1:S:356:ARG:HE	1.77	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:S:361:LYS:HD2	1:U:356:ARG:HE	1.77	0.49
1:T:243:ASN:O	1:f:258:ILE:HG22	2.13	0.49
1:U:270:GLY:HA2	1:U:346:PHE:CE1	2.47	0.49
1:V:311:ILE:HB	1:V:314:VAL:HG22	1.94	0.49
1:W:165:GLN:HE21	1:W:168:SER:HA	1.77	0.49
1:W:250:GLY:HA3	1:W:330:TYR:O	2.12	0.49
1:Y:151:PHE:HE1	1:x:151:PHE:CE2	2.30	0.49
1:Y:290:GLN:HG2	1:Y:291:PHE:N	2.27	0.49
1:8:131:LEU:HB2	1:8:211:TRP:CH2	2.47	0.49
1:8:361:LYS:HD2	1:2:356:ARG:HE	1.77	0.49
1:7:80:MET:HB3	1:7:201:PRO:HG2	1.95	0.49
1:7:323:ASP:O	1:7:327:ILE:N	2.40	0.49
1:6:323:ASP:O	1:6:327:ILE:N	2.40	0.49
1:5:89:ARG:HH11	1:5:180:VAL:HG21	1.78	0.49
1:5:309:GLN:NE2	1:5:320:PRO:HG3	2.27	0.49
1:4:89:ARG:HH11	1:4:180:VAL:HG21	1.78	0.49
1:a:80:MET:HB3	1:a:201:PRO:HG2	1.95	0.49
1:c:133:LEU:N	1:c:213:GLN:HE21	1.97	0.49
1:d:182:SER:OG	1:d:187:ASP:OD2	2.23	0.49
1:e:165:GLN:HE21	1:e:168:SER:HA	1.77	0.49
1:e:250:GLY:HA3	1:e:330:TYR:O	2.12	0.49
1:f:279:ARG:HG3	1:h:71:ASN:HD22	1.78	0.49
1:j:290:GLN:HG2	1:j:291:PHE:N	2.27	0.49
1:k:309:GLN:NE2	1:k:320:PRO:HG3	2.27	0.49
1:l:250:GLY:HA3	1:l:330:TYR:O	2.12	0.49
1:n:241:GLN:HB3	1:n:243:ASN:HD21	1.78	0.49
1:n:290:GLN:HG2	1:n:291:PHE:N	2.27	0.49
1:o:131:LEU:HB2	1:o:211:TRP:CH2	2.47	0.49
1:o:239:VAL:HG11	1:o:268:MET:HE1	1.91	0.49
1:q:80:MET:HB3	1:q:201:PRO:HG2	1.95	0.49
1:q:228:PHE:HE2	1:q:230:PHE:HE1	0.79	0.49
1:r:241:GLN:HB3	1:r:243:ASN:HD21	1.78	0.49
1:s:131:LEU:HB2	1:s:211:TRP:CH2	2.47	0.49
1:t:356:ARG:HE	1:v:361:LYS:HD2	1.77	0.49
1:w:89:ARG:HH11	1:w:180:VAL:HG21	1.78	0.49
1:y:356:ARG:HE	1:1:361:LYS:HD2	1.77	0.49
1:1:309:GLN:NE2	1:1:320:PRO:HG3	2.27	0.49
1:2:89:ARG:HH11	1:2:180:VAL:HG21	1.78	0.49
1:C:250:GLY:HA3	1:C:330:TYR:O	2.12	0.49
1:C:309:GLN:NE2	1:C:320:PRO:HG3	2.27	0.49
1:D:241:GLN:HB3	1:D:243:ASN:HD21	1.78	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:361:LYS:HD2	1:N:356:ARG:HE	1.77	0.49
1:E:361:LYS:HD2	1:Q:356:ARG:HE	1.78	0.49
1:F:270:GLY:HA2	1:F:346:PHE:CE1	2.47	0.49
1:F:356:ARG:HE	1:Q:361:LYS:HD2	1.77	0.49
1:G:250:GLY:HA3	1:G:330:TYR:O	2.12	0.49
1:G:290:GLN:HG2	1:G:291:PHE:N	2.27	0.49
1:G:311:ILE:HB	1:G:314:VAL:HG22	1.94	0.49
1:H:151:PHE:HE1	1:I:151:PHE:CE2	2.30	0.49
1:H:290:GLN:HG2	1:H:291:PHE:N	2.27	0.49
1:I:241:GLN:HB3	1:I:243:ASN:HD21	1.78	0.49
1:I:250:GLY:HA3	1:I:330:TYR:O	2.12	0.49
1:J:71:ASN:HD22	1:8:279:ARG:HG3	1.78	0.49
1:J:80:MET:HB3	1:J:201:PRO:HG2	1.95	0.49
1:K:80:MET:HB3	1:K:201:PRO:HG2	1.95	0.49
1:K:165:GLN:HE21	1:K:168:SER:HA	1.77	0.49
1:L:309:GLN:NE2	1:L:320:PRO:HG3	2.27	0.49
1:N:309:GLN:NE2	1:N:320:PRO:HG3	2.27	0.49
1:N:361:LYS:HD2	1:P:356:ARG:HE	1.77	0.49
1:O:270:GLY:HA2	1:O:346:PHE:CE1	2.47	0.49
1:P:71:ASN:HD22	1:Q:279:ARG:HG3	1.78	0.49
1:P:290:GLN:HG2	1:P:291:PHE:N	2.27	0.49
1:Q:311:ILE:HB	1:Q:314:VAL:HG22	1.94	0.49
1:V:80:MET:HB3	1:V:201:PRO:HG2	1.95	0.49
1:Z:182:SER:OG	1:Z:187:ASP:OD2	2.23	0.49
1:8:241:GLN:HB3	1:8:243:ASN:HD21	1.78	0.49
1:7:241:GLN:HB3	1:7:243:ASN:HD21	1.78	0.49
1:6:241:GLN:HB3	1:6:243:ASN:HD21	1.78	0.49
1:a:311:ILE:HB	1:a:314:VAL:HG22	1.94	0.49
1:c:131:LEU:HB2	1:c:211:TRP:CH2	2.47	0.49
1:c:290:GLN:HG2	1:c:291:PHE:N	2.27	0.49
1:e:241:GLN:HB3	1:e:243:ASN:HD21	1.78	0.49
1:f:182:SER:OG	1:f:187:ASP:OD2	2.23	0.49
1:f:323:ASP:O	1:f:327:ILE:N	2.40	0.49
1:g:165:GLN:HE21	1:g:168:SER:HA	1.77	0.49
1:g:361:LYS:HD2	1:h:356:ARG:HE	1.77	0.49
1:i:165:GLN:HE21	1:i:168:SER:HA	1.77	0.49
1:i:270:GLY:HA2	1:i:346:PHE:CE1	2.47	0.49
1:j:133:LEU:N	1:j:213:GLN:HE21	1.97	0.49
1:j:250:GLY:HA3	1:j:330:TYR:O	2.12	0.49
1:n:182:SER:OG	1:n:187:ASP:OD2	2.23	0.49
1:n:228:PHE:HE2	1:n:230:PHE:HE1	0.79	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:n:250:GLY:HA3	1:n:330:TYR:O	2.12	0.49
1:n:356:ARG:HE	1:p:361:LYS:HD2	1.77	0.49
1:u:361:LYS:HD2	1:v:356:ARG:HE	1.77	0.49
1:v:89:ARG:HH11	1:v:180:VAL:HG21	1.78	0.49
1:v:165:GLN:HE21	1:v:168:SER:HA	1.77	0.49
1:v:228:PHE:HE2	1:v:230:PHE:HE1	0.79	0.49
1:w:309:GLN:NE2	1:w:320:PRO:HG3	2.27	0.49
1:w:311:ILE:HB	1:w:314:VAL:HG22	1.94	0.49
1:z:241:GLN:HB3	1:z:243:ASN:HD21	1.78	0.49
1:A:180:VAL:HG23	1:A:183:MET:HE3	1.95	0.49
1:B:180:VAL:HG23	1:B:183:MET:HE3	1.95	0.49
1:C:278:ILE:HB	1:C:285:PHE:HB3	1.95	0.49
1:D:180:VAL:HG23	1:D:183:MET:HE3	1.95	0.49
1:E:250:GLY:HA3	1:E:330:TYR:O	2.12	0.49
1:G:180:VAL:HG23	1:G:183:MET:HE3	1.95	0.49
1:I:290:GLN:HG2	1:I:291:PHE:N	2.27	0.49
1:J:270:GLY:HA2	1:J:346:PHE:CE1	2.47	0.49
1:K:143:GLY:O	1:K:144:THR:OG1	2.25	0.49
1:K:180:VAL:HG23	1:K:183:MET:HE3	1.95	0.49
1:K:361:LYS:HD2	1:8:356:ARG:HE	1.78	0.49
1:Q:131:LEU:HB2	1:Q:211:TRP:CH2	2.47	0.49
1:Q:239:VAL:HG11	1:Q:268:MET:HE1	1.91	0.49
1:S:89:ARG:HH11	1:S:180:VAL:HG21	1.78	0.49
1:S:290:GLN:HG2	1:S:291:PHE:N	2.27	0.49
1:W:241:GLN:HB3	1:W:243:ASN:HD21	1.78	0.49
1:X:241:GLN:HB3	1:X:243:ASN:HD21	1.78	0.49
1:6:361:LYS:HD2	1:i:356:ARG:HE	1.78	0.49
1:4:165:GLN:HE21	1:4:168:SER:HA	1.77	0.49
1:3:165:GLN:HE21	1:3:168:SER:HA	1.77	0.49
1:b:241:GLN:HB3	1:b:243:ASN:HD21	1.78	0.49
1:c:270:GLY:HA2	1:c:346:PHE:CE1	2.47	0.49
1:d:290:GLN:HG2	1:d:291:PHE:N	2.27	0.49
1:e:182:SER:OG	1:e:187:ASP:OD2	2.23	0.49
1:f:228:PHE:HE2	1:f:230:PHE:HE1	0.79	0.49
1:g:80:MET:HB3	1:g:201:PRO:HG2	1.95	0.49
1:g:180:VAL:HG23	1:g:183:MET:HE3	1.95	0.49
1:h:309:GLN:NE2	1:h:320:PRO:HG3	2.27	0.49
1:j:89:ARG:HH11	1:j:180:VAL:HG21	1.78	0.49
1:j:278:ILE:HB	1:j:285:PHE:HB3	1.95	0.49
1:j:309:GLN:NE2	1:j:320:PRO:HG3	2.27	0.49
1:k:180:VAL:HG23	1:k:183:MET:HE3	1.95	0.49

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:l:80:MET:HB3	1:l:201:PRO:HG2	1.95	0.49
1:n:165:GLN:HE21	1:n:168:SER:HA	1.77	0.49
1:o:279:ARG:HG3	1:y:71:ASN:HD22	1.78	0.49
1:p:241:GLN:HB3	1:p:243:ASN:HD21	1.78	0.49
1:p:270:GLY:HA2	1:p:346:PHE:CE1	2.47	0.49
1:q:311:ILE:HB	1:q:314:VAL:HG22	1.94	0.49
1:r:290:GLN:HG2	1:r:291:PHE:N	2.27	0.49
1:s:180:VAL:HG23	1:s:183:MET:HE3	1.95	0.49
1:v:290:GLN:HG2	1:v:291:PHE:N	2.27	0.49
1:w:71:ASN:HD22	1:2:279:ARG:HG3	1.78	0.49
1:w:80:MET:HB3	1:w:201:PRO:HG2	1.95	0.49
1:y:243:ASN:O	1:1:258:ILE:HG22	2.12	0.49
1:z:180:VAL:HG23	1:z:183:MET:HE3	1.95	0.49
1:1:278:ILE:HB	1:1:285:PHE:HB3	1.95	0.49
1:A:243:ASN:O	1:I:258:ILE:HG22	2.12	0.48
1:B:250:GLY:HA3	1:B:330:TYR:O	2.12	0.48
1:B:290:GLN:HG2	1:B:291:PHE:N	2.27	0.48
1:C:241:GLN:HE21	1:C:268:MET:HB2	1.76	0.48
1:D:151:PHE:CE2	1:E:151:PHE:HE1	2.31	0.48
1:D:311:ILE:HB	1:D:314:VAL:HG22	1.94	0.48
1:F:151:PHE:HE1	1:G:151:PHE:CE2	2.30	0.48
1:F:241:GLN:HB3	1:F:243:ASN:HD21	1.78	0.48
1:J:180:VAL:HG23	1:J:183:MET:HE3	1.95	0.48
1:M:270:GLY:HA2	1:M:346:PHE:CE1	2.47	0.48
1:N:278:ILE:HB	1:N:285:PHE:HB3	1.95	0.48
1:O:239:VAL:HG11	1:O:268:MET:HE1	1.90	0.48
1:O:279:ARG:HG3	1:5:71:ASN:HD22	1.78	0.48
1:Q:290:GLN:HG2	1:Q:291:PHE:N	2.27	0.48
1:S:165:GLN:HE21	1:S:168:SER:HA	1.77	0.48
1:S:180:VAL:HG23	1:S:183:MET:HE3	1.95	0.48
1:U:89:ARG:HH11	1:U:180:VAL:HG21	1.78	0.48
1:V:131:LEU:HB2	1:V:211:TRP:CH2	2.47	0.48
1:V:309:GLN:NE2	1:V:320:PRO:HG3	2.27	0.48
1:Y:180:VAL:HG23	1:Y:183:MET:HE3	1.95	0.48
1:Y:270:GLY:HA2	1:Y:346:PHE:CE1	2.47	0.48
1:Z:228:PHE:HE2	1:Z:230:PHE:HE1	0.79	0.48
1:Z:250:GLY:HA3	1:Z:330:TYR:O	2.12	0.48
1:8:180:VAL:HG23	1:8:183:MET:HE3	1.95	0.48
1:8:278:ILE:HB	1:8:285:PHE:HB3	1.95	0.48
1:7:290:GLN:HG2	1:7:291:PHE:N	2.27	0.48
1:6:194:SER:N	1:6:197:ASN:O	2.40	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5:311:ILE:HB	1:5:314:VAL:HG22	1.94	0.48
1:4:311:ILE:HB	1:4:314:VAL:HG22	1.94	0.48
1:3:151:PHE:CE2	1:t:151:PHE:HE1	2.30	0.48
1:3:279:ARG:HG3	1:t:71:ASN:HD22	1.78	0.48
1:a:71:ASN:HD22	1:u:279:ARG:HG3	1.78	0.48
1:d:151:PHE:HE1	1:r:151:PHE:CE2	2.30	0.48
1:h:241:GLN:HB3	1:h:243:ASN:HD21	1.78	0.48
1:h:250:GLY:HA3	1:h:330:TYR:O	2.12	0.48
1:l:180:VAL:HG23	1:l:183:MET:HE3	1.95	0.48
1:l:241:GLN:HB3	1:l:243:ASN:HD21	1.78	0.48
1:l:270:GLY:HA2	1:l:346:PHE:CE1	2.47	0.48
1:l:311:ILE:HB	1:l:314:VAL:HG22	1.94	0.48
1:n:151:PHE:HE1	1:z:151:PHE:CE2	2.31	0.48
1:o:290:GLN:HG2	1:o:291:PHE:N	2.27	0.48
1:o:311:ILE:HB	1:o:314:VAL:HG22	1.94	0.48
1:r:250:GLY:HA3	1:r:330:TYR:O	2.12	0.48
1:r:278:ILE:HB	1:r:285:PHE:HB3	1.95	0.48
1:t:89:ARG:HH11	1:t:180:VAL:HG21	1.78	0.48
1:v:180:VAL:HG23	1:v:183:MET:HE3	1.95	0.48
1:y:290:GLN:HG2	1:y:291:PHE:N	2.27	0.48
1:z:290:GLN:HG2	1:z:291:PHE:N	2.27	0.48
1:z:361:LYS:HD2	1:1:356:ARG:HE	1.77	0.48
1:A:278:ILE:HB	1:A:285:PHE:HB3	1.95	0.48
1:C:165:GLN:HE21	1:C:168:SER:HA	1.77	0.48
1:D:290:GLN:HG2	1:D:291:PHE:N	2.27	0.48
1:E:165:GLN:HE21	1:E:168:SER:HA	1.77	0.48
1:E:182:SER:OG	1:E:187:ASP:OD2	2.23	0.48
1:F:80:MET:HB3	1:F:201:PRO:HG2	1.95	0.48
1:F:143:GLY:O	1:F:144:THR:OG1	2.25	0.48
1:F:250:GLY:HA3	1:F:330:TYR:O	2.12	0.48
1:G:165:GLN:HE21	1:G:168:SER:HA	1.77	0.48
1:H:151:PHE:CE2	1:Z:151:PHE:HE1	2.30	0.48
1:H:356:ARG:HE	1:Y:361:LYS:HD2	1.77	0.48
1:J:89:ARG:HH11	1:J:180:VAL:HG21	1.78	0.48
1:J:311:ILE:HB	1:J:314:VAL:HG22	1.94	0.48
1:L:180:VAL:HG23	1:L:183:MET:HE3	1.95	0.48
1:L:241:GLN:HB3	1:L:243:ASN:HD21	1.78	0.48
1:M:89:ARG:HH11	1:M:180:VAL:HG21	1.78	0.48
1:M:151:PHE:CE2	1:6:151:PHE:HE1	2.30	0.48
1:N:180:VAL:HG23	1:N:183:MET:HE3	1.95	0.48
1:N:258:ILE:HG22	1:P:243:ASN:O	2.12	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:278:ILE:HB	1:O:285:PHE:HB3	1.95	0.48
1:Q:80:MET:HB3	1:Q:201:PRO:HG2	1.95	0.48
1:R:80:MET:HB3	1:R:201:PRO:HG2	1.95	0.48
1:R:279:ARG:HG3	1:V:71:ASN:HD22	1.79	0.48
1:S:311:ILE:HB	1:S:314:VAL:HG22	1.94	0.48
1:V:361:LYS:HD2	1:4:356:ARG:HE	1.78	0.48
1:W:161:ILE:HD12	1:W:209:ARG:HH12	1.79	0.48
1:Z:323:ASP:O	1:Z:327:ILE:N	2.40	0.48
1:5:80:MET:HB3	1:5:201:PRO:HG2	1.95	0.48
1:3:278:ILE:HB	1:3:285:PHE:HB3	1.95	0.48
1:3:356:ARG:HE	1:a:361:LYS:HD2	1.78	0.48
1:a:131:LEU:HB2	1:a:211:TRP:CH2	2.47	0.48
1:c:180:VAL:HG23	1:c:183:MET:HE3	1.95	0.48
1:d:266:ARG:NH2	1:d:360:GLY:O	2.30	0.48
1:f:250:GLY:HA3	1:f:330:TYR:O	2.12	0.48
1:h:180:VAL:HG23	1:h:183:MET:HE3	1.95	0.48
1:l:89:ARG:HH11	1:l:180:VAL:HG21	1.78	0.48
1:n:361:LYS:HD2	1:o:356:ARG:HE	1.78	0.48
1:o:80:MET:HB3	1:o:201:PRO:HG2	1.95	0.48
1:p:80:MET:HB3	1:p:201:PRO:HG2	1.95	0.48
1:p:165:GLN:HE21	1:p:168:SER:HA	1.77	0.48
1:q:180:VAL:HG23	1:q:183:MET:HE3	1.95	0.48
1:q:250:GLY:HA3	1:q:330:TYR:O	2.12	0.48
1:q:290:GLN:HG2	1:q:291:PHE:N	2.27	0.48
1:s:278:ILE:HB	1:s:285:PHE:HB3	1.95	0.48
1:v:80:MET:HB3	1:v:201:PRO:HG2	1.95	0.48
1:v:311:ILE:HB	1:v:314:VAL:HG22	1.94	0.48
1:z:311:ILE:HB	1:z:314:VAL:HG22	1.94	0.48
1:1:80:MET:HB3	1:1:201:PRO:HG2	1.95	0.48
1:1:180:VAL:HG23	1:1:183:MET:HE3	1.95	0.48
1:A:279:ARG:HG3	1:B:71:ASN:HD22	1.78	0.48
1:B:356:ARG:HE	1:L:361:LYS:HD2	1.78	0.48
1:C:133:LEU:N	1:C:213:GLN:HE21	1.97	0.48
1:D:182:SER:OG	1:D:187:ASP:OD2	2.23	0.48
1:E:239:VAL:HG11	1:E:268:MET:HE1	1.90	0.48
1:E:311:ILE:HB	1:E:314:VAL:HG22	1.94	0.48
1:F:239:VAL:HG11	1:F:268:MET:HE1	1.90	0.48
1:I:89:ARG:HH11	1:I:180:VAL:HG21	1.78	0.48
1:I:278:ILE:HB	1:I:285:PHE:HB3	1.95	0.48
1:J:241:GLN:HB3	1:J:243:ASN:HD21	1.78	0.48
1:K:243:ASN:O	1:2:258:ILE:HG22	2.13	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:309:GLN:NE2	1:K:320:PRO:HG3	2.27	0.48
1:N:80:MET:HB3	1:N:201:PRO:HG2	1.95	0.48
1:Q:270:GLY:CA	1:Q:346:PHE:CD1	2.87	0.48
1:R:89:ARG:HH11	1:R:180:VAL:HG21	1.78	0.48
1:R:258:ILE:HG22	1:S:243:ASN:O	2.12	0.48
1:R:311:ILE:HB	1:R:314:VAL:HG22	1.94	0.48
1:S:80:MET:HB3	1:S:201:PRO:HG2	1.95	0.48
1:T:266:ARG:HD2	1:T:362:MET:SD	2.54	0.48
1:T:278:ILE:HB	1:T:285:PHE:HB3	1.95	0.48
1:U:71:ASN:HD22	1:4:279:ARG:HG3	1.79	0.48
1:U:278:ILE:HB	1:U:285:PHE:HB3	1.95	0.48
1:W:89:ARG:HH11	1:W:180:VAL:HG21	1.78	0.48
1:W:361:LYS:HD2	1:Y:356:ARG:HE	1.77	0.48
1:X:80:MET:HB3	1:X:201:PRO:HG2	1.95	0.48
1:X:309:GLN:NE2	1:X:320:PRO:HG3	2.27	0.48
1:Z:165:GLN:HE21	1:Z:168:SER:HA	1.77	0.48
1:Z:180:VAL:HG23	1:Z:183:MET:HE3	1.95	0.48
1:8:250:GLY:HA3	1:8:330:TYR:O	2.12	0.48
1:8:266:ARG:HD2	1:8:362:MET:SD	2.54	0.48
1:8:309:GLN:NE2	1:8:320:PRO:HG3	2.27	0.48
1:6:290:GLN:HG2	1:6:291:PHE:N	2.27	0.48
1:4:80:MET:HB3	1:4:201:PRO:HG2	1.95	0.48
1:4:278:ILE:HB	1:4:285:PHE:HB3	1.95	0.48
1:4:309:GLN:NE2	1:4:320:PRO:HG3	2.27	0.48
1:3:80:MET:HB3	1:3:201:PRO:HG2	1.95	0.48
1:3:182:SER:OG	1:3:187:ASP:OD2	2.23	0.48
1:3:309:GLN:NE2	1:3:320:PRO:HG3	2.27	0.48
1:a:309:GLN:NE2	1:a:320:PRO:HG3	2.27	0.48
1:d:151:PHE:CE2	1:f:151:PHE:HE1	2.30	0.48
1:e:161:ILE:HD12	1:e:209:ARG:HH12	1.79	0.48
1:f:309:GLN:NE2	1:f:320:PRO:HG3	2.27	0.48
1:g:161:ILE:HD12	1:g:209:ARG:HH12	1.79	0.48
1:g:309:GLN:NE2	1:g:320:PRO:HG3	2.27	0.48
1:h:266:ARG:HD2	1:h:362:MET:SD	2.54	0.48
1:h:278:ILE:HB	1:h:285:PHE:HB3	1.95	0.48
1:i:89:ARG:HH11	1:i:180:VAL:HG21	1.78	0.48
1:j:165:GLN:HE21	1:j:168:SER:HA	1.77	0.48
1:k:250:GLY:HA3	1:k:330:TYR:O	2.12	0.48
1:k:290:GLN:HG2	1:k:291:PHE:N	2.27	0.48
1:k:356:ARG:HE	1:m:361:LYS:HD2	1.78	0.48
1:m:241:GLN:HB3	1:m:243:ASN:HD21	1.78	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:n:133:LEU:N	1:n:213:GLN:HE21	1.97	0.48
1:n:311:ILE:HB	1:n:314:VAL:HG22	1.94	0.48
1:p:250:GLY:HA3	1:p:330:TYR:O	2.12	0.48
1:r:89:ARG:HH11	1:r:180:VAL:HG21	1.78	0.48
1:u:80:MET:HB3	1:u:201:PRO:HG2	1.95	0.48
1:u:89:ARG:HH11	1:u:180:VAL:HG21	1.78	0.48
1:u:241:GLN:HE21	1:u:268:MET:HB2	1.76	0.48
1:w:270:GLY:HA2	1:w:346:PHE:CE1	2.47	0.48
1:x:266:ARG:HD2	1:x:362:MET:SD	2.54	0.48
1:A:71:ASN:HD22	1:E:279:ARG:HG3	1.78	0.48
1:A:266:ARG:HD2	1:A:362:MET:SD	2.54	0.48
1:B:278:ILE:HB	1:B:285:PHE:HB3	1.95	0.48
1:B:361:LYS:HD2	1:J:356:ARG:HE	1.77	0.48
1:C:151:PHE:CE2	1:D:151:PHE:HE1	2.31	0.48
1:C:311:ILE:HB	1:C:314:VAL:HG22	1.94	0.48
1:E:356:ARG:HE	1:F:361:LYS:HD2	1.77	0.48
1:F:131:LEU:HB2	1:F:211:TRP:CH2	2.47	0.48
1:F:311:ILE:HB	1:F:314:VAL:HG22	1.94	0.48
1:G:194:SER:N	1:G:197:ASN:O	2.40	0.48
1:H:278:ILE:HB	1:H:285:PHE:HB3	1.95	0.48
1:I:311:ILE:HB	1:I:314:VAL:HG22	1.94	0.48
1:K:161:ILE:HD12	1:K:209:ARG:HH12	1.79	0.48
1:M:311:ILE:HB	1:M:314:VAL:HG22	1.94	0.48
1:M:356:ARG:HE	1:7:361:LYS:HD2	1.79	0.48
1:N:241:GLN:HB3	1:N:243:ASN:HD21	1.78	0.48
1:O:165:GLN:HE21	1:O:168:SER:HA	1.77	0.48
1:P:180:VAL:HG23	1:P:183:MET:HE3	1.95	0.48
1:Q:266:ARG:HD2	1:Q:362:MET:SD	2.54	0.48
1:U:241:GLN:HB3	1:U:243:ASN:HD21	1.78	0.48
1:W:270:GLY:HA2	1:W:346:PHE:CE1	2.47	0.48
1:Z:80:MET:HB3	1:Z:201:PRO:HG2	1.95	0.48
1:Z:309:GLN:NE2	1:Z:320:PRO:HG3	2.27	0.48
1:7:266:ARG:HD2	1:7:362:MET:SD	2.54	0.48
1:5:270:GLY:HA2	1:5:346:PHE:CE1	2.47	0.48
1:4:182:SER:OG	1:4:187:ASP:OD2	2.23	0.48
1:a:180:VAL:HG23	1:a:183:MET:HE3	1.95	0.48
1:a:243:ASN:O	1:b:258:ILE:HG22	2.13	0.48
1:b:80:MET:HB3	1:b:201:PRO:HG2	1.95	0.48
1:b:309:GLN:NE2	1:b:320:PRO:HG3	2.27	0.48
1:c:80:MET:HB3	1:c:201:PRO:HG2	1.95	0.48
1:c:356:ARG:HE	1:e:361:LYS:HD2	1.77	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:c:361:LYS:HD2	1:d:356:ARG:HE	1.77	0.48
1:e:89:ARG:HH11	1:e:180:VAL:HG21	1.78	0.48
1:f:151:PHE:CE2	1:h:151:PHE:HE1	2.32	0.48
1:f:180:VAL:HG23	1:f:183:MET:HE3	1.95	0.48
1:g:143:GLY:O	1:g:144:THR:OG1	2.25	0.48
1:i:311:ILE:HB	1:i:314:VAL:HG22	1.94	0.48
1:j:151:PHE:CE2	1:z:151:PHE:HE1	2.31	0.48
1:j:279:ARG:HG3	1:z:71:ASN:HD22	1.79	0.48
1:j:311:ILE:HB	1:j:314:VAL:HG22	1.94	0.48
1:k:278:ILE:HB	1:k:285:PHE:HB3	1.95	0.48
1:l:279:ARG:HG3	1:r:71:ASN:HD22	1.78	0.48
1:m:180:VAL:HG23	1:m:183:MET:HE3	1.95	0.48
1:o:266:ARG:HD2	1:o:362:MET:SD	2.54	0.48
1:o:270:GLY:CA	1:o:346:PHE:CD1	2.87	0.48
1:p:311:ILE:HB	1:p:314:VAL:HG22	1.94	0.48
1:q:161:ILE:HD12	1:q:209:ARG:HH12	1.79	0.48
1:q:165:GLN:HE21	1:q:168:SER:HA	1.77	0.48
1:q:182:SER:OG	1:q:187:ASP:OD2	2.23	0.48
1:s:266:ARG:HD2	1:s:362:MET:SD	2.54	0.48
1:t:278:ILE:HB	1:t:285:PHE:HB3	1.96	0.48
1:t:279:ARG:HG3	1:x:71:ASN:HD22	1.78	0.48
1:u:258:ILE:HG22	1:v:243:ASN:O	2.13	0.48
1:u:311:ILE:HB	1:u:314:VAL:HG22	1.94	0.48
1:x:278:ILE:HB	1:x:285:PHE:HB3	1.96	0.48
1:y:180:VAL:HG23	1:y:183:MET:HE3	1.95	0.48
1:A:241:GLN:HB3	1:A:243:ASN:HD21	1.78	0.48
1:E:278:ILE:HB	1:E:285:PHE:HB3	1.95	0.48
1:F:165:GLN:HE21	1:F:168:SER:HA	1.77	0.48
1:G:182:SER:OG	1:G:187:ASP:OD2	2.23	0.48
1:H:71:ASN:HD22	1:I:279:ARG:HG3	1.78	0.48
1:J:143:GLY:O	1:J:144:THR:OG1	2.25	0.48
1:M:266:ARG:HD2	1:M:362:MET:SD	2.54	0.48
1:O:258:ILE:HG22	1:g:243:ASN:O	2.13	0.48
1:O:311:ILE:HB	1:O:314:VAL:HG22	1.94	0.48
1:P:131:LEU:HB2	1:P:211:TRP:CH2	2.47	0.48
1:Q:161:ILE:HD12	1:Q:209:ARG:HH12	1.79	0.48
1:T:71:ASN:HD22	1:U:279:ARG:HG3	1.78	0.48
1:V:169:LYS:CD	1:V:343:ASN:HD22	2.25	0.48
1:V:180:VAL:HG23	1:V:183:MET:HE3	1.95	0.48
1:V:243:ASN:O	1:X:258:ILE:HG22	2.13	0.48
1:Y:80:MET:HB3	1:Y:201:PRO:HG2	1.95	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:309:GLN:NE2	1:Y:320:PRO:HG3	2.27	0.48
1:6:266:ARG:HD2	1:6:362:MET:SD	2.54	0.48
1:4:71:ASN:HD22	1:b:279:ARG:HG3	1.78	0.48
1:b:250:GLY:HA3	1:b:330:TYR:O	2.12	0.48
1:d:278:ILE:HB	1:d:285:PHE:HB3	1.95	0.48
1:e:241:GLN:HE21	1:e:268:MET:HB2	1.76	0.48
1:e:266:ARG:HD2	1:e:362:MET:SD	2.54	0.48
1:e:270:GLY:HA2	1:e:346:PHE:CE1	2.47	0.48
1:f:165:GLN:HE21	1:f:168:SER:HA	1.77	0.48
1:k:71:ASN:HD22	1:s:279:ARG:HG3	1.78	0.48
1:l:143:GLY:O	1:l:144:THR:OG1	2.25	0.48
1:l:199:ILE:HG21	1:l:204:ILE:HD13	1.96	0.48
1:n:80:MET:HB3	1:n:201:PRO:HG2	1.95	0.48
1:n:278:ILE:HB	1:n:285:PHE:HB3	1.95	0.48
1:n:279:ARG:HG3	1:s:71:ASN:HD22	1.79	0.48
1:o:241:GLN:HE21	1:o:268:MET:HB2	1.76	0.48
1:p:131:LEU:HB2	1:p:211:TRP:CH2	2.47	0.48
1:p:143:GLY:O	1:p:144:THR:OG1	2.25	0.48
1:q:89:ARG:HH11	1:q:180:VAL:HG21	1.78	0.48
1:q:194:SER:N	1:q:197:ASN:O	2.40	0.48
1:r:311:ILE:HB	1:r:314:VAL:HG22	1.94	0.48
1:v:250:GLY:HA3	1:v:330:TYR:O	2.12	0.48
1:z:182:SER:OG	1:z:187:ASP:OD2	2.23	0.48
1:1:241:GLN:HB3	1:1:243:ASN:HD21	1.78	0.48
1:2:165:GLN:HE21	1:2:168:SER:HA	1.77	0.48
1:2:278:ILE:HB	1:2:285:PHE:HB3	1.96	0.48
1:2:311:ILE:HB	1:2:314:VAL:HG22	1.94	0.48
1:C:266:ARG:HD2	1:C:362:MET:SD	2.54	0.48
1:C:270:GLY:CA	1:C:346:PHE:CD1	2.87	0.48
1:E:80:MET:HB3	1:E:201:PRO:HG2	1.95	0.48
1:E:120:ARG:HD3	1:E:228:PHE:O	2.14	0.48
1:F:180:VAL:HG23	1:F:183:MET:HE3	1.95	0.48
1:G:71:ASN:HD22	1:W:279:ARG:HG3	1.78	0.48
1:G:161:ILE:HD12	1:G:209:ARG:HH12	1.79	0.48
1:G:270:GLY:HA2	1:G:346:PHE:CE1	2.47	0.48
1:H:120:ARG:HD3	1:H:228:PHE:O	2.14	0.48
1:I:71:ASN:HD22	1:J:279:ARG:HG3	1.78	0.48
1:J:199:ILE:HG21	1:J:204:ILE:HD13	1.96	0.48
1:J:266:ARG:HD2	1:J:362:MET:SD	2.54	0.48
1:N:266:ARG:HD2	1:N:362:MET:SD	2.54	0.48
1:Q:241:GLN:HE21	1:Q:268:MET:HB2	1.76	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:R:182:SER:OG	1:R:187:ASP:OD2	2.23	0.48
1:W:241:GLN:HE21	1:W:268:MET:HB2	1.76	0.48
1:W:266:ARG:HD2	1:W:362:MET:SD	2.54	0.48
1:X:250:GLY:HA3	1:X:330:TYR:O	2.12	0.48
1:Z:151:PHE:CE2	1:8:151:PHE:HE1	2.32	0.48
1:6:279:ARG:HG3	1:m:71:ASN:HD22	1.78	0.48
1:5:241:GLN:HE21	1:5:268:MET:HB2	1.76	0.48
1:4:266:ARG:NH2	1:4:360:GLY:O	2.29	0.48
1:c:309:GLN:NE2	1:c:320:PRO:HG3	2.27	0.48
1:d:71:ASN:HD22	1:r:279:ARG:HG3	1.78	0.48
1:d:120:ARG:HD3	1:d:228:PHE:O	2.14	0.48
1:d:228:PHE:HE2	1:d:230:PHE:HE1	0.79	0.48
1:e:279:ARG:HG3	1:q:71:ASN:HD22	1.78	0.48
1:f:80:MET:HB3	1:f:201:PRO:HG2	1.95	0.48
1:j:266:ARG:HD2	1:j:362:MET:SD	2.54	0.48
1:k:241:GLN:HB3	1:k:243:ASN:HD21	1.78	0.48
1:k:361:LYS:HD2	1:l:356:ARG:HE	1.77	0.48
1:m:266:ARG:HD2	1:m:362:MET:SD	2.54	0.48
1:n:71:ASN:HD22	1:z:279:ARG:HG3	1.78	0.48
1:n:120:ARG:HD3	1:n:228:PHE:O	2.14	0.48
1:o:161:ILE:HD12	1:o:209:ARG:HH12	1.79	0.48
1:p:239:VAL:HG11	1:p:268:MET:HE1	1.90	0.48
1:s:241:GLN:HB3	1:s:243:ASN:HD21	1.78	0.48
1:t:241:GLN:HB3	1:t:243:ASN:HD21	1.78	0.48
1:u:266:ARG:HD2	1:u:362:MET:SD	2.54	0.48
1:w:179:PRO:O	1:w:188:TYR:OH	2.25	0.48
1:1:266:ARG:HD2	1:1:362:MET:SD	2.54	0.48
1:B:161:ILE:HD12	1:B:209:ARG:HH12	1.79	0.48
1:B:241:GLN:HB3	1:B:243:ASN:HD21	1.78	0.48
1:C:180:VAL:HG23	1:C:183:MET:HE3	1.95	0.48
1:C:279:ARG:HG3	1:D:71:ASN:HD22	1.79	0.48
1:D:86:ASN:O	1:D:239:VAL:HG12	2.14	0.48
1:D:279:ARG:HG3	1:E:71:ASN:HD22	1.78	0.48
1:G:89:ARG:HH11	1:G:180:VAL:HG21	1.78	0.48
1:I:80:MET:HB3	1:I:201:PRO:HG2	1.95	0.48
1:K:71:ASN:HD22	1:L:279:ARG:HG3	1.78	0.48
1:L:266:ARG:HD2	1:L:362:MET:SD	2.54	0.48
1:N:120:ARG:HD3	1:N:228:PHE:O	2.14	0.48
1:R:356:ARG:HE	1:U:361:LYS:HD2	1.78	0.48
1:S:250:GLY:HA3	1:S:330:TYR:O	2.12	0.48
1:T:323:ASP:O	1:T:327:ILE:N	2.40	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:U:180:VAL:HG23	1:U:183:MET:HE3	1.95	0.48
1:X:120:ARG:HD3	1:X:228:PHE:O	2.14	0.48
1:X:290:GLN:HG2	1:X:291:PHE:N	2.27	0.48
1:7:161:ILE:HD12	1:7:209:ARG:HH12	1.79	0.48
1:b:290:GLN:HG2	1:b:291:PHE:N	2.27	0.48
1:f:120:ARG:HD3	1:f:228:PHE:O	2.14	0.48
1:h:89:ARG:HH11	1:h:180:VAL:HG21	1.78	0.48
1:i:161:ILE:HD12	1:i:209:ARG:HH12	1.79	0.48
1:i:266:ARG:HD2	1:i:362:MET:SD	2.54	0.48
1:j:180:VAL:HG23	1:j:183:MET:HE3	1.95	0.48
1:l:266:ARG:HD2	1:l:362:MET:SD	2.54	0.48
1:n:89:ARG:HH11	1:n:180:VAL:HG21	1.78	0.48
1:n:239:VAL:HG11	1:n:268:MET:HE1	1.90	0.48
1:n:266:ARG:HD2	1:n:362:MET:SD	2.54	0.48
1:o:71:ASN:HD22	1:v:279:ARG:HG3	1.78	0.48
1:q:86:ASN:O	1:q:239:VAL:HG12	2.14	0.48
1:q:270:GLY:HA2	1:q:346:PHE:CE1	2.47	0.48
1:t:180:VAL:HG23	1:t:183:MET:HE3	1.95	0.48
1:t:361:LYS:HD2	1:u:356:ARG:HE	1.78	0.48
1:v:266:ARG:HD2	1:v:362:MET:SD	2.54	0.48
1:w:241:GLN:HE21	1:w:268:MET:HB2	1.76	0.48
1:x:323:ASP:O	1:x:327:ILE:N	2.40	0.48
1:y:131:LEU:HB2	1:y:211:TRP:CH2	2.47	0.48
1:z:86:ASN:O	1:z:239:VAL:HG12	2.14	0.48
1:z:120:ARG:HD3	1:z:228:PHE:O	2.14	0.48
1:1:89:ARG:HH11	1:1:180:VAL:HG21	1.78	0.48
1:1:120:ARG:HD3	1:1:228:PHE:O	2.14	0.48
1:2:199:ILE:HG21	1:2:204:ILE:HD13	1.96	0.48
1:2:239:VAL:HG11	1:2:268:MET:HE1	1.90	0.48
1:D:120:ARG:HD3	1:D:228:PHE:O	2.14	0.48
1:D:278:ILE:HB	1:D:285:PHE:HB3	1.95	0.48
1:E:89:ARG:HH11	1:E:180:VAL:HG21	1.78	0.48
1:E:266:ARG:HD2	1:E:362:MET:SD	2.54	0.48
1:F:279:ARG:HG3	1:R:71:ASN:HD22	1.78	0.48
1:G:86:ASN:O	1:G:239:VAL:HG12	2.14	0.48
1:H:161:ILE:HD12	1:H:209:ARG:HH12	1.79	0.48
1:H:199:ILE:HG21	1:H:204:ILE:HD13	1.96	0.48
1:H:228:PHE:HE2	1:H:230:PHE:HE1	0.79	0.48
1:J:278:ILE:HB	1:J:285:PHE:HB3	1.95	0.48
1:K:279:ARG:HG3	1:1:71:ASN:HD22	1.79	0.48
1:L:130:ASN:OD1	1:7:210:TYR:HD2	1.97	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:143:GLY:O	1:L:144:THR:OG1	2.25	0.48
1:L:278:ILE:HB	1:L:285:PHE:HB3	1.95	0.48
1:M:161:ILE:HD12	1:M:209:ARG:HH12	1.79	0.48
1:N:89:ARG:HH11	1:N:180:VAL:HG21	1.78	0.48
1:O:199:ILE:HG21	1:O:204:ILE:HD13	1.96	0.48
1:O:266:ARG:HD2	1:O:362:MET:SD	2.54	0.48
1:P:169:LYS:CD	1:P:343:ASN:HD22	2.25	0.48
1:Q:71:ASN:HD22	1:S:279:ARG:HG3	1.78	0.48
1:R:266:ARG:HD2	1:R:362:MET:SD	2.54	0.48
1:S:86:ASN:O	1:S:239:VAL:HG12	2.14	0.48
1:S:266:ARG:HD2	1:S:362:MET:SD	2.54	0.48
1:S:278:ILE:HB	1:S:285:PHE:HB3	1.95	0.48
1:T:361:LYS:HD2	1:5:356:ARG:HE	1.78	0.48
1:V:151:PHE:CE2	1:W:151:PHE:HE1	2.31	0.48
1:W:180:VAL:HG23	1:W:183:MET:HE3	1.95	0.48
1:Z:120:ARG:HD3	1:Z:228:PHE:O	2.14	0.48
1:8:86:ASN:O	1:8:239:VAL:HG12	2.14	0.48
1:8:89:ARG:HH11	1:8:180:VAL:HG21	1.78	0.48
1:6:199:ILE:HG21	1:6:204:ILE:HD13	1.96	0.48
1:5:266:ARG:HD2	1:5:362:MET:SD	2.54	0.48
1:3:180:VAL:HG23	1:3:183:MET:HE3	1.95	0.48
1:a:84:PRO:O	1:a:87:VAL:HG12	2.14	0.48
1:b:120:ARG:HD3	1:b:228:PHE:O	2.14	0.48
1:d:199:ILE:HG21	1:d:204:ILE:HD13	1.96	0.48
1:e:180:VAL:HG23	1:e:183:MET:HE3	1.95	0.48
1:f:278:ILE:HB	1:f:285:PHE:HB3	1.95	0.48
1:k:161:ILE:HD12	1:k:209:ARG:HH12	1.79	0.48
1:m:80:MET:HB3	1:m:201:PRO:HG2	1.95	0.48
1:o:278:ILE:HB	1:o:285:PHE:HB3	1.95	0.48
1:p:161:ILE:HD12	1:p:209:ARG:HH12	1.79	0.48
1:p:180:VAL:HG23	1:p:183:MET:HE3	1.95	0.48
1:r:80:MET:HB3	1:r:201:PRO:HG2	1.95	0.48
1:s:194:SER:N	1:s:197:ASN:O	2.40	0.48
1:t:151:PHE:CE2	1:x:151:PHE:HE1	2.31	0.48
1:v:86:ASN:O	1:v:239:VAL:HG12	2.14	0.48
1:v:241:GLN:HE21	1:v:268:MET:HB2	1.76	0.48
1:v:278:ILE:HB	1:v:285:PHE:HB3	1.95	0.48
1:w:278:ILE:HB	1:w:285:PHE:HB3	1.95	0.48
1:w:356:ARG:HE	1:x:361:LYS:HD2	1.78	0.48
1:z:278:ILE:HB	1:z:285:PHE:HB3	1.95	0.48
1:A:86:ASN:O	1:A:239:VAL:HG12	2.14	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:194:SER:N	1:A:197:ASN:O	2.40	0.48
1:F:84:PRO:O	1:F:87:VAL:HG12	2.14	0.48
1:I:199:ILE:HG21	1:I:204:ILE:HD13	1.96	0.48
1:L:80:MET:HB3	1:L:201:PRO:HG2	1.95	0.48
1:L:89:ARG:HH11	1:L:180:VAL:HG21	1.78	0.48
1:M:86:ASN:O	1:M:239:VAL:HG12	2.14	0.48
1:T:120:ARG:HD3	1:T:228:PHE:O	2.14	0.48
1:T:151:PHE:HE1	1:U:151:PHE:CE2	2.31	0.48
1:U:266:ARG:NH2	1:U:360:GLY:O	2.30	0.48
1:U:266:ARG:HD2	1:U:362:MET:SD	2.54	0.48
1:V:86:ASN:O	1:V:239:VAL:HG12	2.14	0.48
1:V:165:GLN:HE21	1:V:168:SER:HA	1.77	0.48
1:W:86:ASN:O	1:W:239:VAL:HG12	2.14	0.48
1:X:86:ASN:O	1:X:239:VAL:HG12	2.14	0.48
1:X:161:ILE:HD12	1:X:209:ARG:HH12	1.79	0.48
1:X:279:ARG:HG3	1:3:71:ASN:HD22	1.79	0.48
1:8:161:ILE:HD12	1:8:209:ARG:HH12	1.79	0.48
1:5:228:PHE:HE2	1:5:230:PHE:HE1	0.79	0.48
1:5:278:ILE:HB	1:5:285:PHE:HB3	1.95	0.48
1:4:180:VAL:HG23	1:4:183:MET:HE3	1.95	0.48
1:a:151:PHE:CE2	1:e:151:PHE:HE1	2.31	0.48
1:a:165:GLN:HE21	1:a:168:SER:HA	1.77	0.48
1:c:161:ILE:HD12	1:c:209:ARG:HH12	1.79	0.48
1:c:266:ARG:HD2	1:c:362:MET:SD	2.54	0.48
1:d:161:ILE:HD12	1:d:209:ARG:HH12	1.79	0.48
1:d:323:ASP:O	1:d:327:ILE:N	2.40	0.48
1:e:86:ASN:O	1:e:239:VAL:HG12	2.14	0.48
1:h:161:ILE:HD12	1:h:209:ARG:HH12	1.79	0.48
1:i:86:ASN:O	1:i:239:VAL:HG12	2.14	0.48
1:l:120:ARG:HD3	1:l:228:PHE:O	2.14	0.48
1:l:278:ILE:HB	1:l:285:PHE:HB3	1.95	0.48
1:p:84:PRO:O	1:p:87:VAL:HG12	2.14	0.48
1:q:266:ARG:HD2	1:q:362:MET:SD	2.54	0.48
1:r:199:ILE:HG21	1:r:204:ILE:HD13	1.96	0.48
1:s:86:ASN:O	1:s:239:VAL:HG12	2.14	0.48
1:v:71:ASN:HD22	1:w:279:ARG:HG3	1.78	0.48
1:w:266:ARG:HD2	1:w:362:MET:SD	2.54	0.48
1:y:161:ILE:HD12	1:y:209:ARG:HH12	1.79	0.48
1:2:266:ARG:HD2	1:2:362:MET:SD	2.54	0.48
1:D:84:PRO:O	1:D:87:VAL:HG12	2.14	0.48
1:D:270:GLY:HA2	1:D:346:PHE:CE1	2.47	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:180:VAL:HG23	1:E:183:MET:HE3	1.95	0.48
1:F:161:ILE:HD12	1:F:209:ARG:HH12	1.79	0.48
1:G:266:ARG:HD2	1:G:362:MET:SD	2.54	0.48
1:H:94:TYR:O	1:H:105:VAL:HG11	2.14	0.48
1:I:170:VAL:HG12	1:I:178:TRP:HH2	1.79	0.48
1:L:120:ARG:HD3	1:L:228:PHE:O	2.14	0.48
1:L:199:ILE:HG21	1:L:204:ILE:HD13	1.96	0.48
1:N:71:ASN:HD22	1:g:279:ARG:HG3	1.79	0.48
1:N:84:PRO:O	1:N:87:VAL:HG12	2.14	0.48
1:N:199:ILE:HG21	1:N:204:ILE:HD13	1.96	0.48
1:O:80:MET:HB3	1:O:201:PRO:HG2	1.95	0.48
1:P:161:ILE:HD12	1:P:209:ARG:HH12	1.79	0.48
1:Q:278:ILE:HB	1:Q:285:PHE:HB3	1.95	0.48
1:R:239:VAL:HG11	1:R:268:MET:HE1	1.90	0.48
1:S:71:ASN:HD22	1:5:279:ARG:HG3	1.78	0.48
1:S:241:GLN:HE21	1:S:268:MET:HB2	1.76	0.48
1:U:80:MET:HB3	1:U:201:PRO:HG2	1.95	0.48
1:V:84:PRO:O	1:V:87:VAL:HG12	2.14	0.48
1:W:80:MET:HB3	1:W:201:PRO:HG2	1.95	0.48
1:X:84:PRO:O	1:X:87:VAL:HG12	2.14	0.48
1:X:180:VAL:HG23	1:X:183:MET:HE3	1.95	0.48
1:Y:161:ILE:HD12	1:Y:209:ARG:HH12	1.79	0.48
1:Y:266:ARG:HD2	1:Y:362:MET:SD	2.54	0.48
1:Y:311:ILE:HB	1:Y:314:VAL:HG22	1.94	0.48
1:Z:278:ILE:HB	1:Z:285:PHE:HB3	1.96	0.48
1:6:161:ILE:HD12	1:6:209:ARG:HH12	1.79	0.48
1:5:170:VAL:HG12	1:5:178:TRP:HH2	1.79	0.48
1:5:179:PRO:O	1:5:188:TYR:OH	2.25	0.48
1:a:86:ASN:O	1:a:239:VAL:HG12	2.14	0.48
1:a:278:ILE:HB	1:a:285:PHE:HB3	1.95	0.48
1:b:84:PRO:O	1:b:87:VAL:HG12	2.14	0.48
1:b:86:ASN:O	1:b:239:VAL:HG12	2.14	0.48
1:b:199:ILE:HG21	1:b:204:ILE:HD13	1.96	0.48
1:d:184:ARG:NH1	1:d:295:THR:OG1	2.40	0.48
1:e:80:MET:HB3	1:e:201:PRO:HG2	1.95	0.48
1:f:133:LEU:N	1:f:213:GLN:HE21	1.97	0.48
1:f:194:SER:N	1:f:197:ASN:O	2.40	0.48
1:g:71:ASN:HD22	1:m:279:ARG:HG3	1.79	0.48
1:m:120:ARG:HD3	1:m:228:PHE:O	2.14	0.48
1:m:199:ILE:HG21	1:m:204:ILE:HD13	1.96	0.48
1:m:278:ILE:HB	1:m:285:PHE:HB3	1.95	0.48

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:n:170:VAL:HG12	1:n:178:TRP:HH2	1.79	0.48
1:o:184:ARG:NH1	1:o:295:THR:OG1	2.40	0.48
1:o:199:ILE:HG21	1:o:204:ILE:HD13	1.96	0.48
1:r:170:VAL:HG12	1:r:178:TRP:HH2	1.79	0.48
1:t:199:ILE:HG21	1:t:204:ILE:HD13	1.96	0.48
1:t:266:ARG:NH2	1:t:360:GLY:O	2.29	0.48
1:t:266:ARG:HD2	1:t:362:MET:SD	2.54	0.48
1:u:182:SER:OG	1:u:187:ASP:OD2	2.23	0.48
1:w:170:VAL:HG12	1:w:178:TRP:HH2	1.79	0.48
1:y:169:LYS:CD	1:y:343:ASN:HD22	2.25	0.48
1:z:84:PRO:O	1:z:87:VAL:HG12	2.14	0.48
1:z:94:TYR:O	1:z:105:VAL:HG11	2.14	0.48
1:1:84:PRO:O	1:1:87:VAL:HG12	2.14	0.48
1:1:161:ILE:HD12	1:1:209:ARG:HH12	1.79	0.48
1:1:199:ILE:HG21	1:1:204:ILE:HD13	1.96	0.48
1:2:180:VAL:HG23	1:2:183:MET:HE3	1.95	0.48
1:A:361:LYS:HD2	1:G:356:ARG:HE	1.77	0.47
1:B:94:TYR:O	1:B:105:VAL:HG11	2.14	0.47
1:D:94:TYR:O	1:D:105:VAL:HG11	2.14	0.47
1:D:266:ARG:HD2	1:D:362:MET:SD	2.54	0.47
1:E:170:VAL:HG12	1:E:178:TRP:HH2	1.79	0.47
1:F:120:ARG:HD3	1:F:228:PHE:O	2.14	0.47
1:F:266:ARG:HD2	1:F:362:MET:SD	2.54	0.47
1:H:86:ASN:O	1:H:239:VAL:HG12	2.14	0.47
1:I:84:PRO:O	1:I:87:VAL:HG12	2.14	0.47
1:I:86:ASN:O	1:I:239:VAL:HG12	2.14	0.47
1:J:120:ARG:HD3	1:J:228:PHE:O	2.14	0.47
1:K:84:PRO:O	1:K:87:VAL:HG12	2.14	0.47
1:K:169:LYS:CD	1:K:343:ASN:HD22	2.25	0.47
1:M:180:VAL:HG23	1:M:183:MET:HE3	1.95	0.47
1:N:161:ILE:HD12	1:N:209:ARG:HH12	1.79	0.47
1:O:84:PRO:O	1:O:87:VAL:HG12	2.14	0.47
1:O:180:VAL:HG23	1:O:183:MET:HE3	1.95	0.47
1:P:170:VAL:HG12	1:P:178:TRP:HH2	1.79	0.47
1:Q:86:ASN:O	1:Q:239:VAL:HG12	2.14	0.47
1:Q:199:ILE:HG21	1:Q:204:ILE:HD13	1.96	0.47
1:S:270:GLY:HA2	1:S:346:PHE:CE1	2.47	0.47
1:T:279:ARG:HG3	1:c:71:ASN:HD22	1.79	0.47
1:V:270:GLY:HA2	1:V:346:PHE:CE1	2.47	0.47
1:W:94:TYR:O	1:W:105:VAL:HG11	2.14	0.47
1:X:199:ILE:HG21	1:X:204:ILE:HD13	1.96	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:X:356:ARG:HE	1:4:361:LYS:HD2	1.78	0.47
1:Y:71:ASN:HD22	1:x:279:ARG:HG3	1.79	0.47
1:8:120:ARG:HD3	1:8:228:PHE:O	2.14	0.47
1:7:199:ILE:HG21	1:7:204:ILE:HD13	1.96	0.47
1:5:133:LEU:N	1:5:213:GLN:HE21	1.97	0.47
1:5:180:VAL:HG23	1:5:183:MET:HE3	1.95	0.47
1:a:266:ARG:HD2	1:a:362:MET:SD	2.54	0.47
1:a:279:ARG:HG3	1:e:71:ASN:HD22	1.79	0.47
1:b:161:ILE:HD12	1:b:209:ARG:HH12	1.79	0.47
1:b:180:VAL:HG23	1:b:183:MET:HE3	1.95	0.47
1:c:311:ILE:HB	1:c:314:VAL:HG22	1.94	0.47
1:d:80:MET:HB3	1:d:201:PRO:HG2	1.95	0.47
1:d:86:ASN:O	1:d:239:VAL:HG12	2.14	0.47
1:d:94:TYR:O	1:d:105:VAL:HG11	2.14	0.47
1:f:241:GLN:HB3	1:f:243:ASN:HD21	1.78	0.47
1:g:94:TYR:O	1:g:105:VAL:HG11	2.14	0.47
1:h:86:ASN:O	1:h:239:VAL:HG12	2.14	0.47
1:h:120:ARG:HD3	1:h:228:PHE:O	2.14	0.47
1:i:180:VAL:HG23	1:i:183:MET:HE3	1.95	0.47
1:i:278:ILE:HB	1:i:285:PHE:HB3	1.95	0.47
1:j:84:PRO:O	1:j:87:VAL:HG12	2.14	0.47
1:k:89:ARG:HH11	1:k:180:VAL:HG21	1.78	0.47
1:k:94:TYR:O	1:k:105:VAL:HG11	2.14	0.47
1:m:89:ARG:HH11	1:m:180:VAL:HG21	1.78	0.47
1:n:180:VAL:HG23	1:n:183:MET:HE3	1.95	0.47
1:p:89:ARG:HH11	1:p:180:VAL:HG21	1.78	0.47
1:p:120:ARG:HD3	1:p:228:PHE:O	2.14	0.47
1:r:84:PRO:O	1:r:87:VAL:HG12	2.14	0.47
1:s:120:ARG:HD3	1:s:228:PHE:O	2.14	0.47
1:x:120:ARG:HD3	1:x:228:PHE:O	2.14	0.47
1:y:170:VAL:HG12	1:y:178:TRP:HH2	1.79	0.47
1:z:89:ARG:HH11	1:z:180:VAL:HG21	1.78	0.47
1:2:84:PRO:O	1:2:87:VAL:HG12	2.14	0.47
1:A:94:TYR:O	1:A:105:VAL:HG11	2.14	0.47
1:A:120:ARG:HD3	1:A:228:PHE:O	2.14	0.47
1:B:86:ASN:O	1:B:239:VAL:HG12	2.14	0.47
1:F:89:ARG:HH11	1:F:180:VAL:HG21	1.78	0.47
1:G:199:ILE:HG21	1:G:204:ILE:HD13	1.96	0.47
1:H:180:VAL:HG23	1:H:183:MET:HE3	1.95	0.47
1:H:323:ASP:O	1:H:327:ILE:N	2.40	0.47
1:I:120:ARG:HD3	1:I:228:PHE:O	2.14	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:86:ASN:O	1:J:239:VAL:HG12	2.14	0.47
1:K:94:TYR:O	1:K:105:VAL:HG11	2.15	0.47
1:K:120:ARG:HD3	1:K:228:PHE:O	2.14	0.47
1:K:266:ARG:HD2	1:K:362:MET:SD	2.54	0.47
1:M:279:ARG:HG3	1:6:71:ASN:HD22	1.79	0.47
1:P:143:GLY:O	1:P:144:THR:OG1	2.25	0.47
1:T:94:TYR:O	1:T:105:VAL:HG11	2.15	0.47
1:U:199:ILE:HG21	1:U:204:ILE:HD13	1.96	0.47
1:Y:84:PRO:O	1:Y:87:VAL:HG12	2.14	0.47
1:Y:199:ILE:HG21	1:Y:204:ILE:HD13	1.96	0.47
1:Z:194:SER:N	1:Z:197:ASN:O	2.40	0.47
1:7:94:TYR:O	1:7:105:VAL:HG11	2.14	0.47
1:4:94:TYR:O	1:4:105:VAL:HG11	2.14	0.47
1:3:94:TYR:O	1:3:105:VAL:HG11	2.14	0.47
1:3:266:ARG:HD2	1:3:362:MET:SD	2.54	0.47
1:a:270:GLY:HA2	1:a:346:PHE:CE1	2.47	0.47
1:c:84:PRO:O	1:c:87:VAL:HG12	2.14	0.47
1:e:94:TYR:O	1:e:105:VAL:HG11	2.14	0.47
1:f:199:ILE:HG21	1:f:204:ILE:HD13	1.96	0.47
1:g:84:PRO:O	1:g:87:VAL:HG12	2.14	0.47
1:g:169:LYS:CD	1:g:343:ASN:HD22	2.25	0.47
1:h:169:LYS:CD	1:h:343:ASN:HD22	2.25	0.47
1:i:94:TYR:O	1:i:105:VAL:HG11	2.14	0.47
1:j:86:ASN:O	1:j:239:VAL:HG12	2.14	0.47
1:k:86:ASN:O	1:k:239:VAL:HG12	2.14	0.47
1:n:169:LYS:CD	1:n:343:ASN:HD22	2.25	0.47
1:o:86:ASN:O	1:o:239:VAL:HG12	2.14	0.47
1:p:279:ARG:HG3	1:u:71:ASN:HD22	1.79	0.47
1:q:199:ILE:HG21	1:q:204:ILE:HD13	1.96	0.47
1:r:86:ASN:O	1:r:239:VAL:HG12	2.14	0.47
1:r:120:ARG:HD3	1:r:228:PHE:O	2.14	0.47
1:s:94:TYR:O	1:s:105:VAL:HG11	2.14	0.47
1:u:161:ILE:HD12	1:u:209:ARG:HH12	1.79	0.47
1:w:151:PHE:HE1	1:2:151:PHE:CE2	2.32	0.47
1:w:180:VAL:HG23	1:w:183:MET:HE3	1.95	0.47
1:x:94:TYR:O	1:x:105:VAL:HG11	2.14	0.47
1:y:120:ARG:HD3	1:y:228:PHE:O	2.14	0.47
1:y:143:GLY:O	1:y:144:THR:OG1	2.25	0.47
1:z:266:ARG:HD2	1:z:362:MET:SD	2.54	0.47
1:z:270:GLY:HA2	1:z:346:PHE:CE1	2.47	0.47
1:2:80:MET:HB3	1:2:201:PRO:HG2	1.95	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:89:ARG:HH11	1:B:180:VAL:HG21	1.78	0.47
1:C:84:PRO:O	1:C:87:VAL:HG12	2.14	0.47
1:C:94:TYR:O	1:C:105:VAL:HG11	2.14	0.47
1:D:80:MET:HB3	1:D:201:PRO:HG2	1.95	0.47
1:E:161:ILE:HD12	1:E:209:ARG:HH12	1.79	0.47
1:E:169:LYS:CD	1:E:343:ASN:HD22	2.25	0.47
1:E:199:ILE:HG21	1:E:204:ILE:HD13	1.96	0.47
1:G:241:GLN:HB3	1:G:243:ASN:HD21	1.78	0.47
1:H:80:MET:HB3	1:H:201:PRO:HG2	1.95	0.47
1:H:184:ARG:NH1	1:H:295:THR:OG1	2.40	0.47
1:K:170:VAL:HG12	1:K:178:TRP:HH2	1.79	0.47
1:K:278:ILE:HB	1:K:285:PHE:HB3	1.95	0.47
1:M:94:TYR:O	1:M:105:VAL:HG11	2.14	0.47
1:M:278:ILE:HB	1:M:285:PHE:HB3	1.95	0.47
1:N:86:ASN:O	1:N:239:VAL:HG12	2.14	0.47
1:N:170:VAL:HG12	1:N:178:TRP:HH2	1.79	0.47
1:O:86:ASN:O	1:O:239:VAL:HG12	2.14	0.47
1:O:120:ARG:HD3	1:O:228:PHE:O	2.14	0.47
1:O:151:PHE:CE2	1:5:151:PHE:HE1	2.32	0.47
1:Q:170:VAL:HG12	1:Q:178:TRP:HH2	1.79	0.47
1:R:86:ASN:O	1:R:239:VAL:HG12	2.14	0.47
1:S:120:ARG:HD3	1:S:228:PHE:O	2.14	0.47
1:S:161:ILE:HD12	1:S:209:ARG:HH12	1.79	0.47
1:S:241:GLN:HB3	1:S:243:ASN:HD21	1.78	0.47
1:V:266:ARG:HD2	1:V:362:MET:SD	2.54	0.47
1:V:278:ILE:HB	1:V:285:PHE:HB3	1.95	0.47
1:W:278:ILE:HB	1:W:285:PHE:HB3	1.95	0.47
1:Y:278:ILE:HB	1:Y:285:PHE:HB3	1.95	0.47
1:Z:133:LEU:N	1:Z:213:GLN:HE21	1.97	0.47
1:Z:161:ILE:HD12	1:Z:209:ARG:HH12	1.79	0.47
1:Z:199:ILE:HG21	1:Z:204:ILE:HD13	1.96	0.47
1:8:84:PRO:O	1:8:87:VAL:HG12	2.14	0.47
1:7:71:ASN:HD22	1:i:279:ARG:HG3	1.79	0.47
1:7:86:ASN:O	1:7:239:VAL:HG12	2.14	0.47
1:6:86:ASN:O	1:6:239:VAL:HG12	2.14	0.47
1:6:94:TYR:O	1:6:105:VAL:HG11	2.14	0.47
1:5:84:PRO:O	1:5:87:VAL:HG12	2.14	0.47
1:c:86:ASN:O	1:c:239:VAL:HG12	2.14	0.47
1:c:199:ILE:HG21	1:c:204:ILE:HD13	1.96	0.47
1:c:278:ILE:HB	1:c:285:PHE:HB3	1.95	0.47
1:d:180:VAL:HG23	1:d:183:MET:HE3	1.95	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:g:120:ARG:HD3	1:g:228:PHE:O	2.14	0.47
1:g:170:VAL:HG12	1:g:178:TRP:HH2	1.79	0.47
1:i:84:PRO:O	1:i:87:VAL:HG12	2.14	0.47
1:j:94:TYR:O	1:j:105:VAL:HG11	2.14	0.47
1:l:86:ASN:O	1:l:239:VAL:HG12	2.14	0.47
1:n:161:ILE:HD12	1:n:209:ARG:HH12	1.79	0.47
1:o:170:VAL:HG12	1:o:178:TRP:HH2	1.79	0.47
1:q:133:LEU:N	1:q:213:GLN:HE21	1.97	0.47
1:q:241:GLN:HB3	1:q:243:ASN:HD21	1.78	0.47
1:t:161:ILE:HD12	1:t:209:ARG:HH12	1.79	0.47
1:u:86:ASN:O	1:u:239:VAL:HG12	2.14	0.47
1:u:239:VAL:HG11	1:u:268:MET:HE1	1.90	0.47
1:v:241:GLN:HB3	1:v:243:ASN:HD21	1.78	0.47
1:x:270:GLY:HA2	1:x:346:PHE:CE1	2.47	0.47
1:1:86:ASN:O	1:1:239:VAL:HG12	2.14	0.47
1:2:86:ASN:O	1:2:239:VAL:HG12	2.14	0.47
1:2:161:ILE:HD12	1:2:209:ARG:HH12	1.79	0.47
1:B:80:MET:HB3	1:B:201:PRO:HG2	1.95	0.47
1:B:279:ARG:HG3	1:C:71:ASN:HD22	1.79	0.47
1:C:80:MET:HB3	1:C:201:PRO:HG2	1.95	0.47
1:C:86:ASN:O	1:C:239:VAL:HG12	2.14	0.47
1:D:89:ARG:HH11	1:D:180:VAL:HG21	1.78	0.47
1:F:210:TYR:HD2	1:R:130:ASN:OD1	1.98	0.47
1:H:84:PRO:O	1:H:87:VAL:HG12	2.14	0.47
1:L:290:GLN:OE1	1:7:278:ILE:HG12	2.14	0.47
1:M:84:PRO:O	1:M:87:VAL:HG12	2.14	0.47
1:M:120:ARG:HD3	1:M:228:PHE:O	2.14	0.47
1:M:170:VAL:HG12	1:M:178:TRP:HH2	1.79	0.47
1:N:169:LYS:CD	1:N:343:ASN:HD22	2.25	0.47
1:P:278:ILE:HB	1:P:285:PHE:HB3	1.95	0.47
1:Q:120:ARG:HD3	1:Q:228:PHE:O	2.14	0.47
1:Q:184:ARG:NH1	1:Q:295:THR:OG1	2.40	0.47
1:R:161:ILE:HD12	1:R:209:ARG:HH12	1.79	0.47
1:S:199:ILE:HG21	1:S:204:ILE:HD13	1.96	0.47
1:V:279:ARG:HG3	1:W:71:ASN:HD22	1.79	0.47
1:W:120:ARG:HD3	1:W:228:PHE:O	2.14	0.47
1:X:266:ARG:HD2	1:X:362:MET:SD	2.54	0.47
1:Y:86:ASN:O	1:Y:239:VAL:HG12	2.14	0.47
1:Z:94:TYR:O	1:Z:105:VAL:HG11	2.14	0.47
1:Z:241:GLN:HB3	1:Z:243:ASN:HD21	1.78	0.47
1:8:169:LYS:CD	1:8:343:ASN:HD22	2.25	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8:170:VAL:HG12	1:8:178:TRP:HH2	1.79	0.47
1:7:270:GLY:HA2	1:7:346:PHE:CE1	2.47	0.47
1:6:180:VAL:HG23	1:6:183:MET:HE3	1.95	0.47
1:3:122:THR:CG2	1:3:123:LYS:H	1.93	0.47
1:3:161:ILE:HD12	1:3:209:ARG:HH12	1.79	0.47
1:e:278:ILE:HB	1:e:285:PHE:HB3	1.95	0.47
1:g:266:ARG:HD2	1:g:362:MET:SD	2.54	0.47
1:g:278:ILE:HB	1:g:285:PHE:HB3	1.95	0.47
1:i:170:VAL:HG12	1:i:178:TRP:HH2	1.79	0.47
1:j:80:MET:HB3	1:j:201:PRO:HG2	1.95	0.47
1:j:260:VAL:HG12	1:j:328:GLN:CD	2.40	0.47
1:k:120:ARG:HD3	1:k:228:PHE:O	2.14	0.47
1:n:199:ILE:HG21	1:n:204:ILE:HD13	1.96	0.47
1:o:120:ARG:HD3	1:o:228:PHE:O	2.14	0.47
1:p:94:TYR:O	1:p:105:VAL:HG11	2.14	0.47
1:p:266:ARG:NH2	1:p:360:GLY:O	2.29	0.47
1:p:266:ARG:HD2	1:p:362:MET:SD	2.54	0.47
1:t:80:MET:HB3	1:t:201:PRO:HG2	1.95	0.47
1:u:241:GLN:HB3	1:u:243:ASN:HD21	1.78	0.47
1:v:270:GLY:HA2	1:v:346:PHE:CE1	2.47	0.47
1:w:84:PRO:O	1:w:87:VAL:HG12	2.14	0.47
1:w:241:GLN:HB3	1:w:243:ASN:HD21	1.78	0.47
1:x:80:MET:HB3	1:x:201:PRO:HG2	1.95	0.47
1:x:86:ASN:O	1:x:239:VAL:HG12	2.14	0.47
1:y:84:PRO:O	1:y:87:VAL:HG12	2.14	0.47
1:y:278:ILE:HB	1:y:285:PHE:HB3	1.95	0.47
1:z:80:MET:HB3	1:z:201:PRO:HG2	1.95	0.47
1:2:184:ARG:NH1	1:2:295:THR:OG1	2.40	0.47
1:B:120:ARG:HD3	1:B:228:PHE:O	2.14	0.47
1:B:170:VAL:HG12	1:B:178:TRP:HH2	1.79	0.47
1:C:228:PHE:HE2	1:C:230:PHE:HE1	0.79	0.47
1:C:230:PHE:CD2	1:C:330:TYR:CE2	3.03	0.47
1:C:260:VAL:HG12	1:C:328:GLN:CD	2.40	0.47
1:E:86:ASN:O	1:E:239:VAL:HG12	2.14	0.47
1:F:266:ARG:NH2	1:F:360:GLY:O	2.29	0.47
1:G:120:ARG:HD3	1:G:228:PHE:O	2.14	0.47
1:G:133:LEU:N	1:G:213:GLN:HE21	1.97	0.47
1:I:161:ILE:HD12	1:I:209:ARG:HH12	1.79	0.47
1:K:260:VAL:HG12	1:K:328:GLN:CD	2.40	0.47
1:M:260:VAL:HG12	1:M:328:GLN:CD	2.40	0.47
1:O:230:PHE:CD2	1:O:330:TYR:CE2	3.03	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:84:PRO:O	1:P:87:VAL:HG12	2.14	0.47
1:P:120:ARG:HD3	1:P:228:PHE:O	2.14	0.47
1:R:180:VAL:HG23	1:R:183:MET:HE3	1.95	0.47
1:S:94:TYR:O	1:S:105:VAL:HG11	2.14	0.47
1:S:260:VAL:HG12	1:S:328:GLN:CD	2.40	0.47
1:T:80:MET:HB3	1:T:201:PRO:HG2	1.95	0.47
1:T:270:GLY:HA2	1:T:346:PHE:CE1	2.47	0.47
1:Z:266:ARG:HD2	1:Z:362:MET:SD	2.54	0.47
1:8:199:ILE:HG21	1:8:204:ILE:HD13	1.96	0.47
1:8:230:PHE:CD2	1:8:330:TYR:CE2	3.03	0.47
1:7:180:VAL:HG23	1:7:183:MET:HE3	1.95	0.47
1:7:278:ILE:HB	1:7:285:PHE:HB3	1.95	0.47
1:5:241:GLN:HB3	1:5:243:ASN:HD21	1.78	0.47
1:4:122:THR:CG2	1:4:123:LYS:H	1.93	0.47
1:4:170:VAL:HG12	1:4:178:TRP:HH2	1.79	0.47
1:4:266:ARG:HD2	1:4:362:MET:SD	2.54	0.47
1:3:170:VAL:HG12	1:3:178:TRP:HH2	1.79	0.47
1:b:89:ARG:HH11	1:b:180:VAL:HG21	1.78	0.47
1:b:266:ARG:HD2	1:b:362:MET:SD	2.54	0.47
1:d:84:PRO:O	1:d:87:VAL:HG12	2.14	0.47
1:d:241:GLN:HB3	1:d:243:ASN:HD21	1.78	0.47
1:e:120:ARG:HD3	1:e:228:PHE:O	2.14	0.47
1:f:94:TYR:O	1:f:105:VAL:HG11	2.14	0.47
1:f:161:ILE:HD12	1:f:209:ARG:HH12	1.79	0.47
1:h:84:PRO:O	1:h:87:VAL:HG12	2.14	0.47
1:h:170:VAL:HG12	1:h:178:TRP:HH2	1.79	0.47
1:i:120:ARG:HD3	1:i:228:PHE:O	2.14	0.47
1:j:143:GLY:O	1:j:144:THR:OG1	2.25	0.47
1:j:230:PHE:CD2	1:j:330:TYR:CE2	3.03	0.47
1:k:80:MET:HB3	1:k:201:PRO:HG2	1.95	0.47
1:k:170:VAL:HG12	1:k:178:TRP:HH2	1.79	0.47
1:n:86:ASN:O	1:n:239:VAL:HG12	2.14	0.47
1:q:120:ARG:HD3	1:q:228:PHE:O	2.14	0.47
1:s:84:PRO:O	1:s:87:VAL:HG12	2.14	0.47
1:u:180:VAL:HG23	1:u:183:MET:HE3	1.95	0.47
1:v:120:ARG:HD3	1:v:228:PHE:O	2.14	0.47
1:v:161:ILE:HD12	1:v:209:ARG:HH12	1.79	0.47
1:v:199:ILE:HG21	1:v:204:ILE:HD13	1.96	0.47
1:w:133:LEU:N	1:w:213:GLN:HE21	1.97	0.47
1:x:180:VAL:HG23	1:x:183:MET:HE3	1.95	0.47
1:1:170:VAL:HG12	1:1:178:TRP:HH2	1.80	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2:120:ARG:HD3	1:2:228:PHE:O	2.14	0.47
1:2:230:PHE:CD2	1:2:330:TYR:CE2	3.03	0.47
1:C:143:GLY:O	1:C:144:THR:OG1	2.25	0.47
1:F:71:ASN:HD22	1:G:279:ARG:HG3	1.78	0.47
1:F:94:TYR:O	1:F:105:VAL:HG11	2.14	0.47
1:K:241:GLN:HB3	1:K:243:ASN:HD21	1.78	0.47
1:L:161:ILE:HD12	1:L:209:ARG:HH12	1.79	0.47
1:L:169:LYS:CD	1:L:343:ASN:HD22	2.25	0.47
1:L:260:VAL:HG12	1:L:328:GLN:CD	2.40	0.47
1:O:161:ILE:HD12	1:O:209:ARG:HH12	1.79	0.47
1:O:241:GLN:HB3	1:O:243:ASN:HD21	1.78	0.47
1:P:260:VAL:HG12	1:P:328:GLN:CD	2.40	0.47
1:Q:230:PHE:CD2	1:Q:330:TYR:CE2	3.03	0.47
1:T:86:ASN:O	1:T:239:VAL:HG12	2.14	0.47
1:T:180:VAL:HG23	1:T:183:MET:HE3	1.95	0.47
1:U:86:ASN:O	1:U:239:VAL:HG12	2.14	0.47
1:U:161:ILE:HD12	1:U:209:ARG:HH12	1.79	0.47
1:V:170:VAL:HG12	1:V:178:TRP:HH2	1.79	0.47
1:Y:94:TYR:O	1:Y:105:VAL:HG11	2.14	0.47
1:Y:170:VAL:HG12	1:Y:178:TRP:HH2	1.80	0.47
1:Y:260:VAL:HG12	1:Y:328:GLN:CD	2.40	0.47
1:8:80:MET:HB3	1:8:201:PRO:HG2	1.95	0.47
1:8:182:SER:OG	1:8:187:ASP:OD2	2.23	0.47
1:7:120:ARG:HD3	1:7:228:PHE:O	2.14	0.47
1:7:184:ARG:NH1	1:7:295:THR:OG1	2.40	0.47
1:6:278:ILE:HB	1:6:285:PHE:HB3	1.95	0.47
1:5:86:ASN:O	1:5:239:VAL:HG12	2.14	0.47
1:4:241:GLN:HB3	1:4:243:ASN:HD21	1.78	0.47
1:3:241:GLN:HB3	1:3:243:ASN:HD21	1.78	0.47
1:3:361:LYS:HD2	1:b:356:ARG:HE	1.78	0.47
1:a:161:ILE:HD12	1:a:209:ARG:HH12	1.79	0.47
1:a:170:VAL:HG12	1:a:178:TRP:HH2	1.79	0.47
1:b:270:GLY:HA2	1:b:346:PHE:CE1	2.47	0.47
1:c:94:TYR:O	1:c:105:VAL:HG11	2.14	0.47
1:c:170:VAL:HG12	1:c:178:TRP:HH2	1.80	0.47
1:c:260:VAL:HG12	1:c:328:GLN:CD	2.40	0.47
1:d:266:ARG:HD2	1:d:362:MET:SD	2.54	0.47
1:g:86:ASN:O	1:g:239:VAL:HG12	2.14	0.47
1:g:260:VAL:HG12	1:g:328:GLN:CD	2.40	0.47
1:h:179:PRO:O	1:h:188:TYR:OH	2.25	0.47
1:h:199:ILE:HG21	1:h:204:ILE:HD13	1.96	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:h:230:PHE:CD2	1:h:330:TYR:CE2	3.03	0.47
1:i:260:VAL:HG12	1:i:328:GLN:CD	2.40	0.47
1:j:71:ASN:HD22	1:k:279:ARG:HG3	1.79	0.47
1:m:161:ILE:HD12	1:m:209:ARG:HH12	1.79	0.47
1:p:71:ASN:HD22	1:q:279:ARG:HG3	1.78	0.47
1:q:356:ARG:HE	1:s:361:LYS:HD2	1.78	0.47
1:t:86:ASN:O	1:t:239:VAL:HG12	2.14	0.47
1:v:94:TYR:O	1:v:105:VAL:HG11	2.14	0.47
1:v:170:VAL:HG12	1:v:178:TRP:HH2	1.79	0.47
1:v:260:VAL:HG12	1:v:328:GLN:CD	2.40	0.47
1:w:86:ASN:O	1:w:239:VAL:HG12	2.14	0.47
1:y:260:VAL:HG12	1:y:328:GLN:CD	2.40	0.47
1:2:241:GLN:HB3	1:2:243:ASN:HD21	1.78	0.47
1:A:84:PRO:O	1:A:87:VAL:HG12	2.14	0.47
1:A:89:ARG:HH11	1:A:180:VAL:HG21	1.78	0.47
1:A:210:TYR:HD2	1:B:130:ASN:OD1	1.97	0.47
1:B:199:ILE:HG21	1:B:204:ILE:HD13	1.96	0.47
1:C:120:ARG:HD3	1:C:228:PHE:O	2.14	0.47
1:E:84:PRO:O	1:E:87:VAL:HG12	2.14	0.47
1:G:241:GLN:HE21	1:G:268:MET:HB2	1.76	0.47
1:G:260:VAL:HG12	1:G:328:GLN:CD	2.40	0.47
1:H:241:GLN:HB3	1:H:243:ASN:HD21	1.78	0.47
1:H:266:ARG:HD2	1:H:362:MET:SD	2.54	0.47
1:I:94:TYR:O	1:I:105:VAL:HG11	2.14	0.47
1:I:260:VAL:HG12	1:I:328:GLN:CD	2.40	0.47
1:I:266:ARG:HD2	1:I:362:MET:SD	2.54	0.47
1:J:94:TYR:O	1:J:105:VAL:HG11	2.14	0.47
1:J:228:PHE:HE2	1:J:230:PHE:HE1	0.79	0.47
1:K:86:ASN:O	1:K:239:VAL:HG12	2.14	0.47
1:K:184:ARG:NH1	1:K:295:THR:OG1	2.40	0.47
1:L:84:PRO:O	1:L:87:VAL:HG12	2.14	0.47
1:M:71:ASN:HD22	1:N:279:ARG:HG3	1.78	0.47
1:M:179:PRO:O	1:M:188:TYR:OH	2.25	0.47
1:M:199:ILE:HG21	1:M:204:ILE:HD13	1.96	0.47
1:N:228:PHE:HE2	1:N:230:PHE:HE1	0.79	0.47
1:O:94:TYR:O	1:O:105:VAL:HG11	2.14	0.47
1:P:199:ILE:HG21	1:P:204:ILE:HD13	1.96	0.47
1:Q:130:ASN:OD1	1:S:210:TYR:HD2	1.98	0.47
1:Q:180:VAL:HG23	1:Q:183:MET:HE3	1.95	0.47
1:Q:270:GLY:HA2	1:Q:346:PHE:CE1	2.47	0.47
1:R:80:MET:HG2	1:R:190:ALA:O	2.15	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:R:120:ARG:HD3	1:R:228:PHE:O	2.14	0.47
1:R:179:PRO:O	1:R:188:TYR:OH	2.25	0.47
1:R:230:PHE:CD2	1:R:330:TYR:CE2	3.03	0.47
1:R:241:GLN:HB3	1:R:243:ASN:HD21	1.78	0.47
1:R:270:GLY:HA2	1:R:346:PHE:CE1	2.47	0.47
1:S:84:PRO:O	1:S:87:VAL:HG12	2.14	0.47
1:S:170:VAL:HG12	1:S:178:TRP:HH2	1.79	0.47
1:T:161:ILE:HD12	1:T:209:ARG:HH12	1.79	0.47
1:U:170:VAL:HG12	1:U:178:TRP:HH2	1.79	0.47
1:V:161:ILE:HD12	1:V:209:ARG:HH12	1.79	0.47
1:X:89:ARG:HH11	1:X:180:VAL:HG21	1.78	0.47
1:X:270:GLY:HA2	1:X:346:PHE:CE1	2.47	0.47
1:X:278:ILE:HB	1:X:285:PHE:HB3	1.95	0.47
1:Y:230:PHE:CD2	1:Y:330:TYR:CE2	3.03	0.47
1:Z:84:PRO:O	1:Z:87:VAL:HG12	2.14	0.47
1:7:84:PRO:O	1:7:87:VAL:HG12	2.14	0.47
1:6:84:PRO:O	1:6:87:VAL:HG12	2.14	0.47
1:6:120:ARG:HD3	1:6:228:PHE:O	2.14	0.47
1:6:184:ARG:NH1	1:6:295:THR:OG1	2.40	0.47
1:6:270:GLY:HA2	1:6:346:PHE:CE1	2.47	0.47
1:5:161:ILE:HD12	1:5:209:ARG:HH12	1.79	0.47
1:5:199:ILE:HG21	1:5:204:ILE:HD13	1.96	0.47
1:4:84:PRO:O	1:4:87:VAL:HG12	2.14	0.47
1:4:161:ILE:HD12	1:4:209:ARG:HH12	1.79	0.47
1:3:84:PRO:O	1:3:87:VAL:HG12	2.14	0.47
1:b:71:ASN:HD22	1:c:279:ARG:HG3	1.78	0.47
1:b:94:TYR:O	1:b:105:VAL:HG11	2.14	0.47
1:b:170:VAL:HG12	1:b:178:TRP:HH2	1.79	0.47
1:b:230:PHE:CD2	1:b:330:TYR:CE2	3.03	0.47
1:b:278:ILE:HB	1:b:285:PHE:HB3	1.95	0.47
1:c:230:PHE:CD2	1:c:330:TYR:CE2	3.03	0.47
1:f:84:PRO:O	1:f:87:VAL:HG12	2.14	0.47
1:f:266:ARG:HD2	1:f:362:MET:SD	2.54	0.47
1:g:184:ARG:NH1	1:g:295:THR:OG1	2.40	0.47
1:g:241:GLN:HB3	1:g:243:ASN:HD21	1.78	0.47
1:h:80:MET:HG2	1:h:190:ALA:O	2.15	0.47
1:h:80:MET:HB3	1:h:201:PRO:HG2	1.95	0.47
1:i:71:ASN:HD22	1:1:279:ARG:HG3	1.78	0.47
1:i:184:ARG:NH1	1:i:295:THR:OG1	2.40	0.47
1:i:199:ILE:HG21	1:i:204:ILE:HD13	1.96	0.47
1:j:120:ARG:HD3	1:j:228:PHE:O	2.14	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:j:228:PHE:HE2	1:j:230:PHE:HE1	0.79	0.47
1:k:84:PRO:O	1:k:87:VAL:HG12	2.14	0.47
1:k:199:ILE:HG21	1:k:204:ILE:HD13	1.96	0.47
1:l:94:TYR:O	1:l:105:VAL:HG11	2.14	0.47
1:l:161:ILE:HD12	1:l:209:ARG:HH12	1.79	0.47
1:m:84:PRO:O	1:m:87:VAL:HG12	2.14	0.47
1:m:169:LYS:CD	1:m:343:ASN:HD22	2.25	0.47
1:m:260:VAL:HG12	1:m:328:GLN:CD	2.40	0.47
1:n:84:PRO:O	1:n:87:VAL:HG12	2.14	0.47
1:o:130:ASN:OD1	1:v:210:TYR:HD2	1.98	0.47
1:o:230:PHE:CD2	1:o:330:TYR:CE2	3.03	0.47
1:o:270:GLY:HA2	1:o:346:PHE:CE1	2.47	0.47
1:p:182:SER:OG	1:p:187:ASP:OD2	2.23	0.47
1:p:210:TYR:HD2	1:u:130:ASN:OD1	1.98	0.47
1:q:241:GLN:HE21	1:q:268:MET:HB2	1.76	0.47
1:q:260:VAL:HG12	1:q:328:GLN:CD	2.40	0.47
1:r:94:TYR:O	1:r:105:VAL:HG11	2.14	0.47
1:r:161:ILE:HD12	1:r:209:ARG:HH12	1.79	0.47
1:r:260:VAL:HG12	1:r:328:GLN:CD	2.40	0.47
1:r:266:ARG:HD2	1:r:362:MET:SD	2.54	0.47
1:s:89:ARG:HH11	1:s:180:VAL:HG21	1.78	0.47
1:t:170:VAL:HG12	1:t:178:TRP:HH2	1.79	0.47
1:u:120:ARG:HD3	1:u:228:PHE:O	2.14	0.47
1:u:179:PRO:O	1:u:188:TYR:OH	2.25	0.47
1:u:270:GLY:HA2	1:u:346:PHE:CE1	2.47	0.47
1:v:230:PHE:CD2	1:v:330:TYR:CE2	3.03	0.47
1:w:228:PHE:HE2	1:w:230:PHE:HE1	0.79	0.47
1:x:161:ILE:HD12	1:x:209:ARG:HH12	1.79	0.47
1:y:80:MET:HB3	1:y:201:PRO:HG2	1.95	0.47
1:z:199:ILE:HG21	1:z:204:ILE:HD13	1.96	0.47
1:1:169:LYS:CD	1:1:343:ASN:HD22	2.25	0.47
1:2:94:TYR:O	1:2:105:VAL:HG11	2.14	0.47
1:2:143:GLY:O	1:2:144:THR:OG1	2.25	0.47
1:A:130:ASN:OD1	1:E:210:TYR:HD2	1.98	0.47
1:A:270:GLY:HA2	1:A:346:PHE:CE1	2.47	0.47
1:B:84:PRO:O	1:B:87:VAL:HG12	2.14	0.47
1:B:266:ARG:HD2	1:B:362:MET:SD	2.54	0.47
1:D:199:ILE:HG21	1:D:204:ILE:HD13	1.96	0.47
1:F:86:ASN:O	1:F:239:VAL:HG12	2.14	0.47
1:F:228:PHE:HE2	1:F:230:PHE:HE1	0.79	0.47
1:J:161:ILE:HD12	1:J:209:ARG:HH12	1.79	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:80:MET:HB3	1:P:201:PRO:HG2	1.95	0.47
1:P:266:ARG:HD2	1:P:362:MET:SD	2.54	0.47
1:R:278:ILE:HB	1:R:285:PHE:HB3	1.95	0.47
1:S:230:PHE:CD2	1:S:330:TYR:CE2	3.03	0.47
1:U:84:PRO:O	1:U:87:VAL:HG12	2.14	0.47
1:X:71:ASN:HD22	1:Y:279:ARG:HG3	1.78	0.47
1:X:80:MET:HG2	1:X:190:ALA:O	2.15	0.47
1:X:94:TYR:O	1:X:105:VAL:HG11	2.14	0.47
1:X:170:VAL:HG12	1:X:178:TRP:HH2	1.79	0.47
1:X:230:PHE:CD2	1:X:330:TYR:CE2	3.03	0.47
1:Y:241:GLN:HB3	1:Y:243:ASN:HD21	1.78	0.47
1:8:80:MET:HG2	1:8:190:ALA:O	2.15	0.47
1:6:210:TYR:HD2	1:m:130:ASN:OD1	1.98	0.47
1:3:199:ILE:HG21	1:3:204:ILE:HD13	1.96	0.47
1:b:143:GLY:O	1:b:144:THR:OG1	2.25	0.47
1:d:279:ARG:HG3	1:f:71:ASN:HD22	1.79	0.47
1:i:80:MET:HB3	1:i:201:PRO:HG2	1.95	0.47
1:o:180:VAL:HG23	1:o:183:MET:HE3	1.95	0.47
1:p:80:MET:HG2	1:p:190:ALA:O	2.15	0.47
1:p:86:ASN:O	1:p:239:VAL:HG12	2.14	0.47
1:r:180:VAL:HG23	1:r:183:MET:HE3	1.95	0.47
1:s:230:PHE:CD2	1:s:330:TYR:CE2	3.03	0.47
1:u:80:MET:HG2	1:u:190:ALA:O	2.15	0.47
1:u:84:PRO:O	1:u:87:VAL:HG12	2.14	0.47
1:u:230:PHE:CD2	1:u:330:TYR:CE2	3.03	0.47
1:v:84:PRO:O	1:v:87:VAL:HG12	2.14	0.47
1:w:161:ILE:HD12	1:w:209:ARG:HH12	1.79	0.47
1:A:47:TRP:CZ3	1:G:210:TYR:CE2	3.03	0.47
1:A:230:PHE:CD2	1:A:330:TYR:CE2	3.03	0.47
1:C:80:MET:HG2	1:C:190:ALA:O	2.15	0.47
1:F:80:MET:HG2	1:F:190:ALA:O	2.15	0.47
1:F:170:VAL:HG12	1:F:178:TRP:HH2	1.79	0.47
1:F:199:ILE:HG21	1:F:204:ILE:HD13	1.96	0.47
1:F:260:VAL:HG12	1:F:328:GLN:CD	2.40	0.47
1:F:278:ILE:HB	1:F:285:PHE:HB3	1.95	0.47
1:I:80:MET:HG2	1:I:190:ALA:O	2.15	0.47
1:L:80:MET:HG2	1:L:190:ALA:O	2.15	0.47
1:L:157:MET:HE3	1:L:273:LEU:HD22	1.97	0.47
1:M:80:MET:HG2	1:M:190:ALA:O	2.15	0.47
1:M:184:ARG:NH1	1:M:295:THR:OG1	2.40	0.47
1:M:230:PHE:CD2	1:M:330:TYR:CE2	3.03	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:71:ASN:HD22	1:P:279:ARG:HG3	1.79	0.47
1:R:84:PRO:O	1:R:87:VAL:HG12	2.14	0.47
1:R:94:TYR:O	1:R:105:VAL:HG11	2.14	0.47
1:R:199:ILE:HG21	1:R:204:ILE:HD13	1.96	0.47
1:U:130:ASN:OD1	1:4:210:TYR:HD2	1.98	0.47
1:V:120:ARG:HD3	1:V:228:PHE:O	2.14	0.47
1:V:184:ARG:NH1	1:V:295:THR:OG1	2.40	0.47
1:6:157:MET:HE3	1:6:273:LEU:HD22	1.97	0.47
1:6:356:ARG:HE	1:j:361:LYS:HD2	1.78	0.47
1:a:80:MET:HG2	1:a:190:ALA:O	2.15	0.47
1:b:80:MET:HG2	1:b:190:ALA:O	2.15	0.47
1:g:157:MET:HE3	1:g:273:LEU:HD22	1.97	0.47
1:i:230:PHE:CD2	1:i:330:TYR:CE2	3.03	0.47
1:k:266:ARG:HD2	1:k:362:MET:SD	2.54	0.47
1:l:170:VAL:HG12	1:l:178:TRP:HH2	1.79	0.47
1:m:157:MET:HE3	1:m:273:LEU:HD22	1.97	0.47
1:p:228:PHE:HE2	1:p:230:PHE:HE1	0.79	0.47
1:r:80:MET:HG2	1:r:190:ALA:O	2.15	0.47
1:r:143:GLY:O	1:r:144:THR:OG1	2.25	0.47
1:s:80:MET:HB3	1:s:201:PRO:HG2	1.95	0.47
1:s:170:VAL:HG12	1:s:178:TRP:HH2	1.79	0.47
1:t:94:TYR:O	1:t:105:VAL:HG11	2.14	0.47
1:t:120:ARG:HD3	1:t:228:PHE:O	2.14	0.47
1:u:94:TYR:O	1:u:105:VAL:HG11	2.14	0.47
1:u:278:ILE:HB	1:u:285:PHE:HB3	1.95	0.47
1:y:133:LEU:N	1:y:213:GLN:HE21	1.97	0.47
1:y:199:ILE:HG21	1:y:204:ILE:HD13	1.96	0.47
1:z:80:MET:HG2	1:z:190:ALA:O	2.15	0.47
1:1:80:MET:HG2	1:1:190:ALA:O	2.15	0.47
1:A:199:ILE:HG21	1:A:204:ILE:HD13	1.96	0.47
1:D:80:MET:HG2	1:D:190:ALA:O	2.15	0.47
1:D:260:VAL:HG12	1:D:328:GLN:CD	2.40	0.47
1:G:278:ILE:HB	1:G:285:PHE:HB3	1.95	0.47
1:H:279:ARG:HG3	1:Z:71:ASN:HD22	1.79	0.47
1:I:143:GLY:O	1:I:144:THR:OG1	2.25	0.47
1:I:180:VAL:HG23	1:I:183:MET:HE3	1.95	0.47
1:J:130:ASN:OD1	1:8:210:TYR:HD2	1.98	0.47
1:J:230:PHE:CD2	1:J:330:TYR:CE2	3.03	0.47
1:K:157:MET:HE3	1:K:273:LEU:HD22	1.97	0.47
1:L:94:TYR:O	1:L:105:VAL:HG11	2.14	0.47
1:M:80:MET:HB3	1:M:201:PRO:HG2	1.95	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:80:MET:HG2	1:N:190:ALA:O	2.15	0.47
1:N:230:PHE:CD2	1:N:330:TYR:CE2	3.03	0.47
1:T:260:VAL:HG12	1:T:328:GLN:CD	2.40	0.47
1:U:80:MET:HG2	1:U:190:ALA:O	2.15	0.47
1:U:94:TYR:O	1:U:105:VAL:HG11	2.14	0.47
1:U:120:ARG:HD3	1:U:228:PHE:O	2.14	0.47
1:V:80:MET:HG2	1:V:190:ALA:O	2.15	0.47
1:V:182:SER:OG	1:V:187:ASP:OD2	2.23	0.47
1:8:94:TYR:O	1:8:105:VAL:HG11	2.14	0.47
1:8:179:PRO:O	1:8:188:TYR:OH	2.25	0.47
1:7:157:MET:HE3	1:7:273:LEU:HD22	1.97	0.47
1:5:120:ARG:HD3	1:5:228:PHE:O	2.14	0.47
1:4:86:ASN:O	1:4:239:VAL:HG12	2.14	0.47
1:4:120:ARG:HD3	1:4:228:PHE:O	2.14	0.47
1:4:199:ILE:HG21	1:4:204:ILE:HD13	1.96	0.47
1:3:210:TYR:HD2	1:t:130:ASN:OD1	1.98	0.47
1:a:120:ARG:HD3	1:a:228:PHE:O	2.14	0.47
1:c:241:GLN:HB3	1:c:243:ASN:HD21	1.78	0.47
1:d:80:MET:HG2	1:d:190:ALA:O	2.15	0.47
1:e:230:PHE:CD2	1:e:330:TYR:CE2	3.03	0.47
1:h:182:SER:OG	1:h:187:ASP:OD2	2.23	0.47
1:h:210:TYR:HD2	1:l:130:ASN:OD1	1.98	0.47
1:i:80:MET:HG2	1:i:190:ALA:O	2.15	0.47
1:i:266:ARG:NH2	1:i:360:GLY:O	2.29	0.47
1:j:80:MET:HG2	1:j:190:ALA:O	2.15	0.47
1:j:199:ILE:HG21	1:j:204:ILE:HD13	1.96	0.47
1:l:230:PHE:CD2	1:l:330:TYR:CE2	3.03	0.47
1:m:80:MET:HG2	1:m:190:ALA:O	2.15	0.47
1:m:94:TYR:O	1:m:105:VAL:HG11	2.14	0.47
1:o:94:TYR:O	1:o:105:VAL:HG11	2.14	0.47
1:p:170:VAL:HG12	1:p:178:TRP:HH2	1.79	0.47
1:p:199:ILE:HG21	1:p:204:ILE:HD13	1.96	0.47
1:p:278:ILE:HB	1:p:285:PHE:HB3	1.95	0.47
1:q:210:TYR:CE2	1:s:47:TRP:CZ3	3.03	0.47
1:r:157:MET:HE3	1:r:273:LEU:HD22	1.98	0.47
1:s:199:ILE:HG21	1:s:204:ILE:HD13	1.96	0.47
1:t:80:MET:HG2	1:t:190:ALA:O	2.15	0.47
1:t:84:PRO:O	1:t:87:VAL:HG12	2.14	0.47
1:t:260:VAL:HG12	1:t:328:GLN:CD	2.40	0.47
1:u:199:ILE:HG21	1:u:204:ILE:HD13	1.96	0.47
1:w:199:ILE:HG21	1:w:204:ILE:HD13	1.96	0.47

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:x:260:VAL:HG12	1:x:328:GLN:CD	2.40	0.47
1:y:266:ARG:HD2	1:y:362:MET:SD	2.54	0.47
1:y:279:ARG:HG3	1:2:71:ASN:HD22	1.79	0.47
1:z:260:VAL:HG12	1:z:328:GLN:CD	2.40	0.47
1:A:80:MET:HB3	1:A:201:PRO:HG2	1.95	0.46
1:A:210:TYR:CE2	1:I:47:TRP:CZ3	3.04	0.46
1:A:260:VAL:HG12	1:A:328:GLN:CD	2.40	0.46
1:F:157:MET:HE3	1:F:273:LEU:HD22	1.97	0.46
1:G:84:PRO:O	1:G:87:VAL:HG12	2.14	0.46
1:H:80:MET:HG2	1:H:190:ALA:O	2.15	0.46
1:H:170:VAL:HG12	1:H:178:TRP:HH2	1.79	0.46
1:I:157:MET:HE3	1:I:273:LEU:HD22	1.98	0.46
1:J:84:PRO:O	1:J:87:VAL:HG12	2.14	0.46
1:J:170:VAL:HG12	1:J:178:TRP:HH2	1.79	0.46
1:K:210:TYR:HD2	1:1:130:ASN:OD1	1.99	0.46
1:M:157:MET:HE3	1:M:273:LEU:HD22	1.97	0.46
1:M:169:LYS:CD	1:M:343:ASN:HD22	2.25	0.46
1:O:157:MET:HE3	1:O:273:LEU:HD22	1.98	0.46
1:P:94:TYR:O	1:P:105:VAL:HG11	2.14	0.46
1:Q:94:TYR:O	1:Q:105:VAL:HG11	2.14	0.46
1:T:210:TYR:HD2	1:c:130:ASN:OD1	1.99	0.46
1:W:230:PHE:CD2	1:W:330:TYR:CE2	3.03	0.46
1:Y:130:ASN:OD1	1:x:210:TYR:HD2	1.99	0.46
1:Z:80:MET:HG2	1:Z:190:ALA:O	2.15	0.46
1:Z:86:ASN:O	1:Z:239:VAL:HG12	2.14	0.46
1:8:133:LEU:N	1:8:213:GLN:HE21	1.97	0.46
1:7:76:THR:HB	1:7:77:PRO:HD2	1.98	0.46
1:7:230:PHE:CD2	1:7:330:TYR:CE2	3.03	0.46
1:6:230:PHE:CD2	1:6:330:TYR:CE2	3.03	0.46
1:d:230:PHE:CD2	1:d:330:TYR:CE2	3.03	0.46
1:e:170:VAL:HG12	1:e:178:TRP:HH2	1.79	0.46
1:g:182:SER:OG	1:g:187:ASP:OD2	2.23	0.46
1:h:133:LEU:N	1:h:213:GLN:HE21	1.97	0.46
1:i:179:PRO:O	1:i:188:TYR:OH	2.25	0.46
1:l:84:PRO:O	1:l:87:VAL:HG12	2.14	0.46
1:n:80:MET:HG2	1:n:190:ALA:O	2.15	0.46
1:p:157:MET:HE3	1:p:273:LEU:HD22	1.98	0.46
1:q:278:ILE:HB	1:q:285:PHE:HB3	1.95	0.46
1:r:47:TRP:CZ3	1:s:210:TYR:CE2	3.04	0.46
1:s:260:VAL:HG12	1:s:328:GLN:CD	2.40	0.46
1:w:120:ARG:HD3	1:w:228:PHE:O	2.14	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1:230:PHE:CD2	1:1:330:TYR:CE2	3.03	0.46
1:2:157:MET:HE3	1:2:273:LEU:HD22	1.97	0.46
1:A:170:VAL:HG12	1:A:178:TRP:HH2	1.79	0.46
1:B:230:PHE:CD2	1:B:330:TYR:CE2	3.03	0.46
1:C:199:ILE:HG21	1:C:204:ILE:HD13	1.96	0.46
1:D:161:ILE:HD12	1:D:209:ARG:HH12	1.79	0.46
1:E:80:MET:HG2	1:E:190:ALA:O	2.15	0.46
1:E:210:TYR:CE2	1:F:47:TRP:CZ3	3.04	0.46
1:G:230:PHE:CD2	1:G:330:TYR:CE2	3.03	0.46
1:L:86:ASN:O	1:L:239:VAL:HG12	2.14	0.46
1:O:170:VAL:HG12	1:O:178:TRP:HH2	1.79	0.46
1:Q:260:VAL:HG12	1:Q:328:GLN:CD	2.40	0.46
1:U:260:VAL:HG12	1:U:328:GLN:CD	2.40	0.46
1:V:199:ILE:HG21	1:V:204:ILE:HD13	1.96	0.46
1:V:356:ARG:HE	1:X:361:LYS:HD2	1.77	0.46
1:W:76:THR:HB	1:W:77:PRO:HD2	1.98	0.46
1:W:84:PRO:O	1:W:87:VAL:HG12	2.14	0.46
1:W:157:MET:HE3	1:W:273:LEU:HD22	1.97	0.46
1:X:76:THR:HB	1:X:77:PRO:HD2	1.98	0.46
1:Y:120:ARG:HD3	1:Y:228:PHE:O	2.14	0.46
1:Z:170:VAL:HG12	1:Z:178:TRP:HH2	1.79	0.46
1:6:47:TRP:CZ3	1:i:210:TYR:CE2	3.03	0.46
1:6:76:THR:HB	1:6:77:PRO:HD2	1.98	0.46
1:4:260:VAL:HG12	1:4:328:GLN:CD	2.40	0.46
1:3:86:ASN:O	1:3:239:VAL:HG12	2.14	0.46
1:a:184:ARG:NH1	1:a:295:THR:OG1	2.40	0.46
1:b:76:THR:HB	1:b:77:PRO:HD2	1.98	0.46
1:b:228:PHE:HE2	1:b:230:PHE:HE1	0.79	0.46
1:c:120:ARG:HD3	1:c:228:PHE:O	2.14	0.46
1:e:76:THR:HB	1:e:77:PRO:HD2	1.98	0.46
1:f:80:MET:HG2	1:f:190:ALA:O	2.15	0.46
1:h:94:TYR:O	1:h:105:VAL:HG11	2.14	0.46
1:j:161:ILE:HD12	1:j:209:ARG:HH12	1.79	0.46
1:k:230:PHE:CD2	1:k:330:TYR:CE2	3.03	0.46
1:n:210:TYR:CE2	1:p:47:TRP:CZ3	3.04	0.46
1:o:182:SER:OG	1:o:187:ASP:OD2	2.23	0.46
1:o:260:VAL:HG12	1:o:328:GLN:CD	2.40	0.46
1:p:130:ASN:OD1	1:q:210:TYR:HD2	1.98	0.46
1:p:260:VAL:HG12	1:p:328:GLN:CD	2.40	0.46
1:q:94:TYR:O	1:q:105:VAL:HG11	2.14	0.46
1:q:230:PHE:CD2	1:q:330:TYR:CE2	3.03	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:s:161:ILE:HD12	1:s:209:ARG:HH12	1.79	0.46
1:s:270:GLY:HA2	1:s:346:PHE:CE1	2.47	0.46
1:y:94:TYR:O	1:y:105:VAL:HG11	2.14	0.46
1:A:117:LYS:HE3	1:A:117:LYS:HB2	1.73	0.46
1:B:80:MET:HG2	1:B:190:ALA:O	2.15	0.46
1:D:170:VAL:HG12	1:D:178:TRP:HH2	1.79	0.46
1:D:243:ASN:OD1	1:D:347:GLY:O	2.34	0.46
1:F:169:LYS:CD	1:F:343:ASN:HD22	2.25	0.46
1:H:230:PHE:CD2	1:H:330:TYR:CE2	3.03	0.46
1:I:76:THR:HB	1:I:77:PRO:HD2	1.98	0.46
1:L:230:PHE:CD2	1:L:330:TYR:CE2	3.03	0.46
1:N:130:ASN:OD1	1:g:210:TYR:HD2	1.99	0.46
1:Q:76:THR:HB	1:Q:77:PRO:HD2	1.98	0.46
1:R:170:VAL:HG12	1:R:178:TRP:HH2	1.80	0.46
1:T:76:THR:HB	1:T:77:PRO:HD2	1.98	0.46
1:U:230:PHE:CD2	1:U:330:TYR:CE2	3.03	0.46
1:Y:243:ASN:OD1	1:Y:347:GLY:O	2.34	0.46
1:5:94:TYR:O	1:5:105:VAL:HG11	2.14	0.46
1:4:270:GLY:HA2	1:4:346:PHE:CE1	2.47	0.46
1:3:120:ARG:HD3	1:3:228:PHE:O	2.14	0.46
1:a:76:THR:HB	1:a:77:PRO:HD2	1.98	0.46
1:a:356:ARG:HE	1:b:361:LYS:HD2	1.77	0.46
1:c:76:THR:HB	1:c:77:PRO:HD2	1.98	0.46
1:c:243:ASN:OD1	1:c:347:GLY:O	2.34	0.46
1:d:170:VAL:HG12	1:d:178:TRP:HH2	1.79	0.46
1:e:157:MET:HE3	1:e:273:LEU:HD22	1.98	0.46
1:f:86:ASN:O	1:f:239:VAL:HG12	2.14	0.46
1:f:170:VAL:HG12	1:f:178:TRP:HH2	1.79	0.46
1:i:76:THR:HB	1:i:77:PRO:HD2	1.97	0.46
1:i:157:MET:HE3	1:i:273:LEU:HD22	1.98	0.46
1:k:80:MET:HG2	1:k:190:ALA:O	2.15	0.46
1:l:260:VAL:HG12	1:l:328:GLN:CD	2.40	0.46
1:n:210:TYR:HD2	1:s:130:ASN:OD1	1.99	0.46
1:o:210:TYR:HD2	1:y:130:ASN:OD1	1.98	0.46
1:p:76:THR:HB	1:p:77:PRO:HD2	1.98	0.46
1:p:169:LYS:CD	1:p:343:ASN:HD22	2.25	0.46
1:q:84:PRO:O	1:q:87:VAL:HG12	2.14	0.46
1:t:230:PHE:CD2	1:t:330:TYR:CE2	3.03	0.46
1:u:157:MET:HE3	1:u:273:LEU:HD22	1.97	0.46
1:u:170:VAL:HG12	1:u:178:TRP:HH2	1.79	0.46
1:u:243:ASN:OD1	1:u:347:GLY:O	2.34	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:x:76:THR:HB	1:x:77:PRO:HD2	1.98	0.46
1:x:230:PHE:CD2	1:x:330:TYR:CE2	3.03	0.46
1:z:161:ILE:HD12	1:z:209:ARG:HH12	1.79	0.46
1:z:243:ASN:OD1	1:z:347:GLY:O	2.34	0.46
1:1:228:PHE:HE2	1:1:230:PHE:HE1	0.79	0.46
1:2:170:VAL:HG12	1:2:178:TRP:HH2	1.79	0.46
1:2:228:PHE:HE2	1:2:230:PHE:HE1	0.79	0.46
1:A:134:THR:OG1	1:A:288:ASN:HB2	2.16	0.46
1:A:161:ILE:HD12	1:A:209:ARG:HH12	1.79	0.46
1:C:161:ILE:HD12	1:C:209:ARG:HH12	1.79	0.46
1:C:170:VAL:HG12	1:C:178:TRP:HH2	1.79	0.46
1:D:76:THR:HB	1:D:77:PRO:HD2	1.98	0.46
1:E:76:THR:HB	1:E:77:PRO:HD2	1.98	0.46
1:E:94:TYR:O	1:E:105:VAL:HG11	2.14	0.46
1:F:76:THR:HB	1:F:77:PRO:HD2	1.98	0.46
1:G:94:TYR:O	1:G:105:VAL:HG11	2.14	0.46
1:G:134:THR:OG1	1:G:288:ASN:HB2	2.16	0.46
1:H:76:THR:HB	1:H:77:PRO:HD2	1.97	0.46
1:J:243:ASN:OD1	1:J:347:GLY:O	2.34	0.46
1:J:260:VAL:HG12	1:J:328:GLN:CD	2.40	0.46
1:M:76:THR:HB	1:M:77:PRO:HD2	1.98	0.46
1:N:47:TRP:CZ3	1:P:210:TYR:CE2	3.04	0.46
1:O:130:ASN:OD1	1:P:210:TYR:HD2	1.99	0.46
1:P:133:LEU:N	1:P:213:GLN:HE21	1.97	0.46
1:P:230:PHE:CD2	1:P:330:TYR:CE2	3.03	0.46
1:R:47:TRP:CZ3	1:S:210:TYR:CE2	3.04	0.46
1:R:157:MET:HE3	1:R:273:LEU:HD22	1.97	0.46
1:R:243:ASN:OD1	1:R:347:GLY:O	2.34	0.46
1:T:230:PHE:CD2	1:T:330:TYR:CE2	3.03	0.46
1:V:47:TRP:CZ3	1:4:210:TYR:CE2	3.04	0.46
1:V:76:THR:HB	1:V:77:PRO:HD2	1.98	0.46
1:V:134:THR:OG1	1:V:288:ASN:HB2	2.16	0.46
1:W:170:VAL:HG12	1:W:178:TRP:HH2	1.79	0.46
1:6:260:VAL:HG12	1:6:328:GLN:CD	2.40	0.46
1:5:76:THR:HB	1:5:77:PRO:HD2	1.98	0.46
1:5:157:MET:HE3	1:5:273:LEU:HD22	1.97	0.46
1:5:230:PHE:CD2	1:5:330:TYR:CE2	3.03	0.46
1:4:230:PHE:CD2	1:4:330:TYR:CE2	3.03	0.46
1:3:210:TYR:CE2	1:a:47:TRP:CZ3	3.04	0.46
1:3:230:PHE:CD2	1:3:330:TYR:CE2	3.03	0.46
1:3:260:VAL:HG12	1:3:328:GLN:CD	2.40	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:a:94:TYR:O	1:a:105:VAL:HG11	2.14	0.46
1:a:134:THR:OG1	1:a:288:ASN:HB2	2.16	0.46
1:e:84:PRO:O	1:e:87:VAL:HG12	2.14	0.46
1:k:130:ASN:OD1	1:s:210:TYR:HD2	1.98	0.46
1:m:86:ASN:O	1:m:239:VAL:HG12	2.14	0.46
1:m:230:PHE:CD2	1:m:330:TYR:CE2	3.03	0.46
1:n:94:TYR:O	1:n:105:VAL:HG11	2.14	0.46
1:o:84:PRO:O	1:o:87:VAL:HG12	2.14	0.46
1:q:134:THR:OG1	1:q:288:ASN:HB2	2.16	0.46
1:r:76:THR:HB	1:r:77:PRO:HD2	1.98	0.46
1:s:134:THR:OG1	1:s:288:ASN:HB2	2.16	0.46
1:t:47:TRP:CZ3	1:u:210:TYR:CE2	3.04	0.46
1:u:47:TRP:CZ3	1:v:210:TYR:CE2	3.04	0.46
1:u:260:VAL:HG12	1:u:328:GLN:CD	2.40	0.46
1:x:199:ILE:HG21	1:x:204:ILE:HD13	1.96	0.46
1:y:80:MET:HG2	1:y:190:ALA:O	2.15	0.46
1:y:210:TYR:CE2	1:1:47:TRP:CZ3	3.04	0.46
1:y:210:TYR:HD2	1:2:130:ASN:OD1	1.99	0.46
1:y:230:PHE:CD2	1:y:330:TYR:CE2	3.03	0.46
1:y:270:GLY:HA2	1:y:346:PHE:CE1	2.47	0.46
1:z:47:TRP:CZ3	1:1:210:TYR:CE2	3.04	0.46
1:z:76:THR:HB	1:z:77:PRO:HD2	1.98	0.46
1:z:170:VAL:HG12	1:z:178:TRP:HH2	1.79	0.46
1:C:218:LEU:HD21	1:M:46:VAL:HG21	1.98	0.46
1:D:47:TRP:CZ3	1:N:210:TYR:CE2	3.04	0.46
1:E:230:PHE:CD2	1:E:330:TYR:CE2	3.03	0.46
1:G:170:VAL:HG12	1:G:178:TRP:HH2	1.79	0.46
1:H:210:TYR:HD2	1:Z:130:ASN:OD1	1.99	0.46
1:I:230:PHE:CD2	1:I:330:TYR:CE2	3.03	0.46
1:J:80:MET:HG2	1:J:190:ALA:O	2.15	0.46
1:K:199:ILE:HG21	1:K:204:ILE:HD13	1.96	0.46
1:N:94:TYR:O	1:N:105:VAL:HG11	2.14	0.46
1:O:76:THR:HB	1:O:77:PRO:HD2	1.98	0.46
1:O:210:TYR:HD2	1:5:130:ASN:OD1	1.99	0.46
1:P:86:ASN:O	1:P:239:VAL:HG12	2.14	0.46
1:P:130:ASN:OD1	1:Q:210:TYR:HD2	1.99	0.46
1:P:243:ASN:OD1	1:P:347:GLY:O	2.34	0.46
1:P:270:GLY:HA2	1:P:346:PHE:CE1	2.47	0.46
1:R:260:VAL:HG12	1:R:328:GLN:CD	2.40	0.46
1:S:130:ASN:OD1	1:5:210:TYR:HD2	1.98	0.46
1:S:134:THR:OG1	1:S:288:ASN:HB2	2.16	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:W:199:ILE:HG21	1:W:204:ILE:HD13	1.96	0.46
1:Y:76:THR:HB	1:Y:77:PRO:HD2	1.98	0.46
1:Z:230:PHE:CD2	1:Z:330:TYR:CE2	3.03	0.46
1:6:210:TYR:CE2	1:j:47:TRP:CZ3	3.04	0.46
1:4:243:ASN:OD1	1:4:347:GLY:O	2.34	0.46
1:3:243:ASN:OD1	1:3:347:GLY:O	2.34	0.46
1:a:199:ILE:HG21	1:a:204:ILE:HD13	1.96	0.46
1:d:210:TYR:HD2	1:f:130:ASN:OD1	1.99	0.46
1:f:230:PHE:CD2	1:f:330:TYR:CE2	3.03	0.46
1:i:169:LYS:CD	1:i:343:ASN:HD22	2.25	0.46
1:j:94:TYR:HA	1:j:184:ARG:HD3	1.98	0.46
1:j:243:ASN:OD1	1:j:347:GLY:O	2.34	0.46
1:k:169:LYS:CD	1:k:343:ASN:HD22	2.25	0.46
1:l:157:MET:HE3	1:l:273:LEU:HD22	1.97	0.46
1:l:228:PHE:HE2	1:l:230:PHE:HE1	0.79	0.46
1:l:243:ASN:OD1	1:l:347:GLY:O	2.34	0.46
1:m:134:THR:OG1	1:m:288:ASN:HB2	2.16	0.46
1:m:243:ASN:OD1	1:m:347:GLY:O	2.34	0.46
1:n:76:THR:HB	1:n:77:PRO:HD2	1.98	0.46
1:n:230:PHE:CD2	1:n:330:TYR:CE2	3.03	0.46
1:o:76:THR:HB	1:o:77:PRO:HD2	1.98	0.46
1:r:230:PHE:CD2	1:r:330:TYR:CE2	3.03	0.46
1:t:134:THR:OG1	1:t:288:ASN:HB2	2.16	0.46
1:v:134:THR:OG1	1:v:288:ASN:HB2	2.16	0.46
1:v:143:GLY:O	1:v:144:THR:OG1	2.25	0.46
1:w:76:THR:HB	1:w:77:PRO:HD2	1.98	0.46
1:w:94:TYR:O	1:w:105:VAL:HG11	2.14	0.46
1:w:130:ASN:OD1	1:2:210:TYR:HD2	1.99	0.46
1:w:157:MET:HE3	1:w:273:LEU:HD22	1.98	0.46
1:w:230:PHE:CD2	1:w:330:TYR:CE2	3.03	0.46
1:x:84:PRO:O	1:x:87:VAL:HG12	2.14	0.46
1:y:243:ASN:OD1	1:y:347:GLY:O	2.34	0.46
1:2:76:THR:HB	1:2:77:PRO:HD2	1.98	0.46
1:B:94:TYR:HA	1:B:184:ARG:HD3	1.98	0.46
1:B:134:THR:OG1	1:B:288:ASN:HB2	2.16	0.46
1:B:169:LYS:CD	1:B:343:ASN:HD22	2.25	0.46
1:C:157:MET:HE3	1:C:273:LEU:HD22	1.97	0.46
1:D:117:LYS:HB2	1:D:117:LYS:HE3	1.73	0.46
1:D:309:GLN:HE22	1:D:320:PRO:HG3	1.81	0.46
1:H:260:VAL:HG12	1:H:328:GLN:CD	2.40	0.46
1:I:133:LEU:N	1:I:213:GLN:HE21	1.97	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:157:MET:HE3	1:J:273:LEU:HD22	1.97	0.46
1:L:243:ASN:OD1	1:L:347:GLY:O	2.34	0.46
1:M:134:THR:OG1	1:M:288:ASN:HB2	2.16	0.46
1:M:266:ARG:NH2	1:M:360:GLY:O	2.29	0.46
1:N:260:VAL:HG12	1:N:328:GLN:CD	2.40	0.46
1:N:270:GLY:HA2	1:N:346:PHE:CE1	2.47	0.46
1:O:159:HIS:CD2	1:O:220:PHE:CZ	3.04	0.46
1:P:80:MET:HG2	1:P:190:ALA:O	2.15	0.46
1:Q:84:PRO:O	1:Q:87:VAL:HG12	2.14	0.46
1:Q:182:SER:OG	1:Q:187:ASP:OD2	2.23	0.46
1:Q:243:ASN:OD1	1:Q:347:GLY:O	2.34	0.46
1:R:210:TYR:CE2	1:U:47:TRP:CZ3	3.04	0.46
1:S:47:TRP:CZ3	1:U:210:TYR:CE2	3.04	0.46
1:T:199:ILE:HG21	1:T:204:ILE:HD13	1.96	0.46
1:U:134:THR:OG1	1:U:288:ASN:HB2	2.16	0.46
1:V:94:TYR:O	1:V:105:VAL:HG11	2.14	0.46
1:V:243:ASN:OD1	1:V:347:GLY:O	2.34	0.46
1:W:47:TRP:CZ3	1:Y:210:TYR:CE2	3.04	0.46
1:W:134:THR:OG1	1:W:288:ASN:HB2	2.16	0.46
1:X:130:ASN:OD1	1:Y:210:TYR:HD2	1.98	0.46
1:7:170:VAL:HG12	1:7:178:TRP:HH2	1.79	0.46
1:6:80:MET:HG2	1:6:190:ALA:O	2.15	0.46
1:6:159:HIS:CD2	1:6:220:PHE:CZ	3.04	0.46
1:5:134:THR:OG1	1:5:288:ASN:HB2	2.16	0.46
1:4:76:THR:HB	1:4:77:PRO:HD2	1.98	0.46
1:3:80:MET:HG2	1:3:190:ALA:O	2.15	0.46
1:3:270:GLY:HA2	1:3:346:PHE:CE1	2.47	0.46
1:a:243:ASN:OD1	1:a:347:GLY:O	2.34	0.46
1:b:130:ASN:OD1	1:c:210:TYR:HD2	1.98	0.46
1:b:159:HIS:CD2	1:b:220:PHE:CZ	3.04	0.46
1:c:210:TYR:CE2	1:e:47:TRP:CZ3	3.04	0.46
1:d:76:THR:HB	1:d:77:PRO:HD2	1.98	0.46
1:d:260:VAL:HG12	1:d:328:GLN:CD	2.40	0.46
1:e:134:THR:OG1	1:e:288:ASN:HB2	2.16	0.46
1:e:199:ILE:HG21	1:e:204:ILE:HD13	1.96	0.46
1:h:243:ASN:OD1	1:h:347:GLY:O	2.34	0.46
1:i:134:THR:OG1	1:i:288:ASN:HB2	2.16	0.46
1:j:170:VAL:HG12	1:j:178:TRP:HH2	1.79	0.46
1:k:94:TYR:HA	1:k:184:ARG:HD3	1.98	0.46
1:k:134:THR:OG1	1:k:288:ASN:HB2	2.16	0.46
1:n:260:VAL:HG12	1:n:328:GLN:CD	2.40	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:o:243:ASN:OD1	1:o:347:GLY:O	2.34	0.46
1:q:80:MET:HG2	1:q:190:ALA:O	2.15	0.46
1:s:117:LYS:HE3	1:s:117:LYS:HB2	1.73	0.46
1:t:210:TYR:CE2	1:v:47:TRP:CZ3	3.04	0.46
1:v:130:ASN:OD1	1:w:210:TYR:HD2	1.98	0.46
1:w:134:THR:OG1	1:w:288:ASN:HB2	2.16	0.46
1:x:134:THR:OG1	1:x:288:ASN:HB2	2.16	0.46
1:x:159:HIS:CD2	1:x:220:PHE:CZ	3.04	0.46
1:z:309:GLN:HE22	1:z:320:PRO:HG3	1.81	0.46
1:1:159:HIS:CD2	1:1:220:PHE:CZ	3.04	0.46
1:1:260:VAL:HG12	1:1:328:GLN:CD	2.40	0.46
1:1:270:GLY:HA2	1:1:346:PHE:CE1	2.47	0.46
1:2:159:HIS:CD2	1:2:220:PHE:CZ	3.04	0.46
1:A:80:MET:HG2	1:A:190:ALA:O	2.15	0.46
1:B:159:HIS:CD2	1:B:220:PHE:CZ	3.04	0.46
1:C:94:TYR:HA	1:C:184:ARG:HD3	1.98	0.46
1:C:243:ASN:OD1	1:C:347:GLY:O	2.34	0.46
1:E:134:THR:OG1	1:E:288:ASN:HB2	2.16	0.46
1:E:157:MET:HE3	1:E:273:LEU:HD22	1.98	0.46
1:E:260:VAL:HG12	1:E:328:GLN:CD	2.40	0.46
1:G:80:MET:HG2	1:G:190:ALA:O	2.15	0.46
1:H:47:TRP:CZ3	1:W:210:TYR:CE2	3.04	0.46
1:I:130:ASN:OD1	1:J:210:TYR:HD2	1.98	0.46
1:I:159:HIS:CD2	1:I:220:PHE:CZ	3.04	0.46
1:J:133:LEU:N	1:J:213:GLN:HE21	1.97	0.46
1:J:159:HIS:CD2	1:J:220:PHE:CZ	3.04	0.46
1:K:47:TRP:CZ3	1:8:210:TYR:CE2	3.04	0.46
1:L:76:THR:HB	1:L:77:PRO:HD2	1.98	0.46
1:L:134:THR:OG1	1:L:288:ASN:HB2	2.16	0.46
1:N:159:HIS:CD2	1:N:220:PHE:CZ	3.04	0.46
1:O:228:PHE:HE2	1:O:230:PHE:HE1	0.79	0.46
1:O:243:ASN:OD1	1:O:347:GLY:O	2.34	0.46
1:O:260:VAL:HG12	1:O:328:GLN:CD	2.40	0.46
1:Q:134:THR:OG1	1:Q:288:ASN:HB2	2.16	0.46
1:S:80:MET:HG2	1:S:190:ALA:O	2.15	0.46
1:T:84:PRO:O	1:T:87:VAL:HG12	2.14	0.46
1:T:130:ASN:OD1	1:U:210:TYR:HD2	1.99	0.46
1:T:134:THR:OG1	1:T:288:ASN:HB2	2.16	0.46
1:T:157:MET:HE3	1:T:273:LEU:HD22	1.97	0.46
1:T:243:ASN:OD1	1:T:347:GLY:O	2.34	0.46
1:W:260:VAL:HG12	1:W:328:GLN:CD	2.40	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:X:159:HIS:CD2	1:X:220:PHE:CZ	3.04	0.46
1:8:243:ASN:OD1	1:8:347:GLY:O	2.34	0.46
1:7:159:HIS:CD2	1:7:220:PHE:CZ	3.04	0.46
1:6:170:VAL:HG12	1:6:178:TRP:HH2	1.79	0.46
1:4:80:MET:HG2	1:4:190:ALA:O	2.15	0.46
1:3:76:THR:HB	1:3:77:PRO:HD2	1.98	0.46
1:3:157:MET:HE3	1:3:273:LEU:HD22	1.97	0.46
1:c:159:HIS:CD2	1:c:220:PHE:CZ	3.04	0.46
1:d:47:TRP:CZ3	1:e:210:TYR:CE2	3.04	0.46
1:e:260:VAL:HG12	1:e:328:GLN:CD	2.40	0.46
1:f:76:THR:HB	1:f:77:PRO:HD2	1.98	0.46
1:f:260:VAL:HG12	1:f:328:GLN:CD	2.40	0.46
1:h:260:VAL:HG12	1:h:328:GLN:CD	2.40	0.46
1:j:157:MET:HE3	1:j:273:LEU:HD22	1.98	0.46
1:k:159:HIS:CD2	1:k:220:PHE:CZ	3.04	0.46
1:l:80:MET:HG2	1:l:190:ALA:O	2.15	0.46
1:l:134:THR:OG1	1:l:288:ASN:HB2	2.16	0.46
1:l:159:HIS:CD2	1:l:220:PHE:CZ	3.04	0.46
1:m:159:HIS:CD2	1:m:220:PHE:CZ	3.04	0.46
1:n:134:THR:OG1	1:n:288:ASN:HB2	2.16	0.46
1:n:159:HIS:CD2	1:n:220:PHE:CZ	3.04	0.46
1:o:134:THR:OG1	1:o:288:ASN:HB2	2.16	0.46
1:r:159:HIS:CD2	1:r:220:PHE:CZ	3.04	0.46
1:u:134:THR:OG1	1:u:288:ASN:HB2	2.16	0.46
1:v:243:ASN:OD1	1:v:347:GLY:O	2.34	0.46
1:x:80:MET:HG2	1:x:190:ALA:O	2.15	0.46
1:x:157:MET:HE3	1:x:273:LEU:HD22	1.97	0.46
1:y:86:ASN:O	1:y:239:VAL:HG12	2.14	0.46
1:y:159:HIS:CD2	1:y:220:PHE:CZ	3.04	0.46
1:z:323:ASP:O	1:z:327:ILE:N	2.40	0.46
1:1:94:TYR:O	1:1:105:VAL:HG11	2.14	0.46
1:2:243:ASN:OD1	1:2:347:GLY:O	2.34	0.46
1:A:243:ASN:OD1	1:A:347:GLY:O	2.34	0.46
1:C:76:THR:HB	1:C:77:PRO:HD2	1.98	0.46
1:D:230:PHE:CD2	1:D:330:TYR:CE2	3.03	0.46
1:E:159:HIS:CD2	1:E:220:PHE:CZ	3.04	0.46
1:H:130:ASN:OD1	1:I:210:TYR:HD2	1.99	0.46
1:H:309:GLN:HE22	1:H:320:PRO:HG3	1.81	0.46
1:I:243:ASN:OD1	1:I:347:GLY:O	2.34	0.46
1:J:134:THR:OG1	1:J:288:ASN:HB2	2.16	0.46
1:K:80:MET:HG2	1:K:190:ALA:O	2.15	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:159:HIS:CD2	1:P:220:PHE:CZ	3.04	0.46
1:R:134:THR:OG1	1:R:288:ASN:HB2	2.16	0.46
1:S:243:ASN:OD1	1:S:347:GLY:O	2.34	0.46
1:T:159:HIS:CD2	1:T:220:PHE:CZ	3.04	0.46
1:T:170:VAL:HG12	1:T:178:TRP:HH2	1.79	0.46
1:U:94:TYR:HA	1:U:184:ARG:HD3	1.98	0.46
1:X:228:PHE:HE2	1:X:230:PHE:HE1	0.79	0.46
1:Z:134:THR:OG1	1:Z:288:ASN:HB2	2.16	0.46
1:8:94:TYR:HA	1:8:184:ARG:HD3	1.98	0.46
1:7:80:MET:HG2	1:7:190:ALA:O	2.15	0.46
1:7:260:VAL:HG12	1:7:328:GLN:CD	2.40	0.46
1:5:80:MET:HG2	1:5:190:ALA:O	2.15	0.46
1:4:94:TYR:HA	1:4:184:ARG:HD3	1.98	0.46
1:4:309:GLN:HE22	1:4:320:PRO:HG3	1.81	0.46
1:3:94:TYR:HA	1:3:184:ARG:HD3	1.98	0.46
1:3:309:GLN:HE22	1:3:320:PRO:HG3	1.81	0.46
1:e:80:MET:HG2	1:e:190:ALA:O	2.15	0.46
1:g:47:TRP:CZ3	1:h:210:TYR:CE2	3.04	0.46
1:g:199:ILE:HG21	1:g:204:ILE:HD13	1.96	0.46
1:g:230:PHE:CD2	1:g:330:TYR:CE2	3.03	0.46
1:h:94:TYR:HA	1:h:184:ARG:HD3	1.98	0.46
1:i:46:VAL:HG21	1:j:218:LEU:HD21	1.98	0.46
1:i:182:SER:OG	1:i:187:ASP:OD2	2.23	0.46
1:j:76:THR:HB	1:j:77:PRO:HD2	1.98	0.46
1:l:210:TYR:HD2	1:r:130:ASN:OD1	1.98	0.46
1:m:76:THR:HB	1:m:77:PRO:HD2	1.98	0.46
1:n:157:MET:HE3	1:n:273:LEU:HD22	1.98	0.46
1:r:243:ASN:OD1	1:r:347:GLY:O	2.34	0.46
1:s:80:MET:HG2	1:s:190:ALA:O	2.15	0.46
1:s:243:ASN:OD1	1:s:347:GLY:O	2.34	0.46
1:t:210:TYR:HD2	1:x:130:ASN:OD1	1.99	0.46
1:x:94:TYR:HA	1:x:184:ARG:HD3	1.98	0.46
1:x:243:ASN:OD1	1:x:347:GLY:O	2.34	0.46
1:z:169:LYS:CD	1:z:343:ASN:HD22	2.25	0.46
1:z:230:PHE:CD2	1:z:330:TYR:CE2	3.03	0.46
1:C:159:HIS:CD2	1:C:220:PHE:CZ	3.04	0.46
1:F:130:ASN:OD1	1:G:210:TYR:HD2	1.99	0.46
1:F:134:THR:OG1	1:F:288:ASN:HB2	2.16	0.46
1:F:243:ASN:OD1	1:F:347:GLY:O	2.34	0.46
1:G:309:GLN:HE22	1:G:320:PRO:HG3	1.81	0.46
1:K:230:PHE:CD2	1:K:330:TYR:CE2	3.03	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:309:GLN:HE22	1:K:320:PRO:HG3	1.81	0.46
1:L:159:HIS:CD2	1:L:220:PHE:CZ	3.04	0.46
1:L:323:ASP:O	1:L:327:ILE:N	2.40	0.46
1:M:210:TYR:HD2	1:6:130:ASN:OD1	1.98	0.46
1:P:94:TYR:HA	1:P:184:ARG:HD3	1.98	0.46
1:R:159:HIS:CD2	1:R:220:PHE:CZ	3.04	0.46
1:R:210:TYR:HD2	1:V:130:ASN:OD1	1.99	0.46
1:S:46:VAL:HG21	1:U:218:LEU:HD21	1.98	0.46
1:T:80:MET:HG2	1:T:190:ALA:O	2.15	0.46
1:T:94:TYR:HA	1:T:184:ARG:HD3	1.98	0.46
1:U:157:MET:HE3	1:U:273:LEU:HD22	1.97	0.46
1:W:228:PHE:HE2	1:W:230:PHE:HE1	0.79	0.46
1:Y:94:TYR:HA	1:Y:184:ARG:HD3	1.98	0.46
1:Y:159:HIS:CD2	1:Y:220:PHE:CZ	3.04	0.46
1:Z:260:VAL:HG12	1:Z:328:GLN:CD	2.40	0.46
1:8:260:VAL:HG12	1:8:328:GLN:CD	2.40	0.46
1:7:151:PHE:HE1	1:i:151:PHE:CE2	2.34	0.46
1:4:134:THR:OG1	1:4:288:ASN:HB2	2.16	0.46
1:4:157:MET:HE3	1:4:273:LEU:HD22	1.98	0.46
1:b:157:MET:HE3	1:b:273:LEU:HD22	1.97	0.46
1:c:94:TYR:HA	1:c:184:ARG:HD3	1.98	0.46
1:d:130:ASN:OD1	1:r:210:TYR:HD2	1.99	0.46
1:d:309:GLN:HE22	1:d:320:PRO:HG3	1.81	0.46
1:f:134:THR:OG1	1:f:288:ASN:HB2	2.16	0.46
1:f:243:ASN:OD1	1:f:347:GLY:O	2.34	0.46
1:g:80:MET:HG2	1:g:190:ALA:O	2.15	0.46
1:l:76:THR:HB	1:l:77:PRO:HD2	1.98	0.46
1:m:323:ASP:O	1:m:327:ILE:N	2.40	0.46
1:p:134:THR:OG1	1:p:288:ASN:HB2	2.16	0.46
1:q:170:VAL:HG12	1:q:178:TRP:HH2	1.80	0.46
1:t:218:LEU:HD21	1:v:46:VAL:HG21	1.98	0.46
1:u:159:HIS:CD2	1:u:220:PHE:CZ	3.04	0.46
1:v:80:MET:HG2	1:v:190:ALA:O	2.15	0.46
1:w:80:MET:HG2	1:w:190:ALA:O	2.15	0.46
1:x:170:VAL:HG12	1:x:178:TRP:HH2	1.79	0.46
1:y:94:TYR:HA	1:y:184:ARG:HD3	1.98	0.46
1:2:260:VAL:HG12	1:2:328:GLN:CD	2.40	0.46
1:A:159:HIS:CD2	1:A:220:PHE:CZ	3.04	0.46
1:B:260:VAL:HG12	1:B:328:GLN:CD	2.40	0.46
1:D:157:MET:HE3	1:D:273:LEU:HD22	1.98	0.46
1:D:210:TYR:CE2	1:P:47:TRP:CZ3	3.04	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:243:ASN:OD1	1:E:347:GLY:O	2.34	0.46
1:H:159:HIS:CD2	1:H:220:PHE:CZ	3.04	0.46
1:I:134:THR:OG1	1:I:288:ASN:HB2	2.16	0.46
1:J:76:THR:HB	1:J:77:PRO:HD2	1.98	0.46
1:K:130:ASN:OD1	1:L:210:TYR:HD2	1.99	0.46
1:M:159:HIS:CD2	1:M:220:PHE:CZ	3.04	0.46
1:M:182:SER:OG	1:M:187:ASP:OD2	2.23	0.46
1:N:182:SER:OG	1:N:187:ASP:OD2	2.23	0.46
1:S:143:GLY:O	1:S:144:THR:OG1	2.25	0.46
1:T:46:VAL:HG21	1:5:218:LEU:HD21	1.98	0.46
1:T:47:TRP:CZ3	1:5:210:TYR:CE2	3.04	0.46
1:V:46:VAL:HG21	1:4:218:LEU:HD21	1.98	0.46
1:W:80:MET:HG2	1:W:190:ALA:O	2.15	0.46
1:W:243:ASN:OD1	1:W:347:GLY:O	2.34	0.46
1:Z:243:ASN:OD1	1:Z:347:GLY:O	2.34	0.46
1:6:218:LEU:HD21	1:j:46:VAL:HG21	1.98	0.46
1:5:159:HIS:CD2	1:5:220:PHE:CZ	3.04	0.46
1:5:260:VAL:HG12	1:5:328:GLN:CD	2.40	0.46
1:3:134:THR:OG1	1:3:288:ASN:HB2	2.16	0.46
1:3:218:LEU:HD21	1:a:46:VAL:HG21	1.98	0.46
1:a:130:ASN:OD1	1:u:210:TYR:HD2	1.98	0.46
1:d:159:HIS:CD2	1:d:220:PHE:CZ	3.04	0.46
1:g:130:ASN:OD1	1:m:210:TYR:HD2	1.99	0.46
1:i:47:TRP:CZ3	1:j:210:TYR:CE2	3.04	0.46
1:i:159:HIS:CD2	1:i:220:PHE:CZ	3.04	0.46
1:j:130:ASN:OD1	1:k:210:TYR:HD2	1.99	0.46
1:k:260:VAL:HG12	1:k:328:GLN:CD	2.40	0.46
1:m:170:VAL:HG12	1:m:178:TRP:HH2	1.79	0.46
1:n:47:TRP:CZ3	1:o:210:TYR:CE2	3.04	0.46
1:n:243:ASN:OD1	1:n:347:GLY:O	2.34	0.46
1:p:243:ASN:OD1	1:p:347:GLY:O	2.34	0.46
1:q:309:GLN:HE22	1:q:320:PRO:HG3	1.81	0.46
1:r:133:LEU:N	1:r:213:GLN:HE21	1.97	0.46
1:s:159:HIS:CD2	1:s:220:PHE:CZ	3.04	0.46
1:t:157:MET:HE3	1:t:273:LEU:HD22	1.97	0.46
1:v:323:ASP:O	1:v:327:ILE:N	2.40	0.46
1:w:159:HIS:CD2	1:w:220:PHE:CZ	3.04	0.46
1:w:210:TYR:CE2	1:x:47:TRP:CZ3	3.04	0.46
1:w:218:LEU:HD21	1:x:46:VAL:HG21	1.98	0.46
1:y:47:TRP:CZ3	1:z:210:TYR:CE2	3.04	0.46
1:y:184:ARG:NH1	1:y:295:THR:OG1	2.40	0.46

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:179:PRO:O	1:E:188:TYR:OH	2.25	0.45
1:G:94:TYR:HA	1:G:184:ARG:HD3	1.98	0.45
1:H:169:LYS:CD	1:H:343:ASN:HD22	2.25	0.45
1:K:210:TYR:CE2	1:2:47:TRP:CZ3	3.04	0.45
1:L:170:VAL:HG12	1:L:178:TRP:HH2	1.79	0.45
1:O:47:TRP:CZ3	1:g:210:TYR:CE2	3.04	0.45
1:P:184:ARG:NH1	1:P:295:THR:OG1	2.40	0.45
1:S:157:MET:HE3	1:S:273:LEU:HD22	1.97	0.45
1:T:309:GLN:HE22	1:T:320:PRO:HG3	1.81	0.45
1:U:76:THR:HB	1:U:77:PRO:HD2	1.98	0.45
1:U:309:GLN:HE22	1:U:320:PRO:HG3	1.81	0.45
1:V:159:HIS:CD2	1:V:220:PHE:CZ	3.04	0.45
1:V:260:VAL:HG12	1:V:328:GLN:CD	2.40	0.45
1:W:159:HIS:CD2	1:W:220:PHE:CZ	3.04	0.45
1:Y:157:MET:HE3	1:Y:273:LEU:HD22	1.97	0.45
1:Y:323:ASP:O	1:Y:327:ILE:N	2.40	0.45
1:Z:76:THR:HB	1:Z:77:PRO:HD2	1.98	0.45
1:8:159:HIS:CD2	1:8:220:PHE:CZ	3.04	0.45
1:5:137:GLU:HG3	1:5:285:PHE:CE1	2.52	0.45
1:a:230:PHE:CD2	1:a:330:TYR:CE2	3.03	0.45
1:a:260:VAL:HG12	1:a:328:GLN:CD	2.40	0.45
1:b:137:GLU:HG3	1:b:285:PHE:CE1	2.52	0.45
1:e:159:HIS:CD2	1:e:220:PHE:CZ	3.04	0.45
1:g:309:GLN:HE22	1:g:320:PRO:HG3	1.81	0.45
1:i:323:ASP:O	1:i:327:ILE:N	2.40	0.45
1:j:159:HIS:CD2	1:j:220:PHE:CZ	3.04	0.45
1:l:133:LEU:N	1:l:213:GLN:HE21	1.97	0.45
1:o:137:GLU:HG3	1:o:285:PHE:CE1	2.52	0.45
1:q:94:TYR:HA	1:q:184:ARG:HD3	1.98	0.45
1:r:134:THR:OG1	1:r:288:ASN:HB2	2.16	0.45
1:t:76:THR:HB	1:t:77:PRO:HD2	1.98	0.45
1:t:94:TYR:HA	1:t:184:ARG:HD3	1.98	0.45
1:t:179:PRO:O	1:t:188:TYR:OH	2.25	0.45
1:v:157:MET:HE3	1:v:273:LEU:HD22	1.97	0.45
1:w:260:VAL:HG12	1:w:328:GLN:CD	2.40	0.45
1:x:309:GLN:HE22	1:x:320:PRO:HG3	1.81	0.45
1:z:117:LYS:HB2	1:z:117:LYS:HE3	1.73	0.45
1:z:157:MET:HE3	1:z:273:LEU:HD22	1.98	0.45
1:2:134:THR:OG1	1:2:288:ASN:HB2	2.16	0.45
1:B:210:TYR:CE2	1:L:47:TRP:CZ3	3.04	0.45
1:B:210:TYR:HD2	1:C:130:ASN:OD1	1.99	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:309:GLN:HE22	1:B:320:PRO:HG3	1.81	0.45
1:C:137:GLU:HG3	1:C:285:PHE:CE1	2.52	0.45
1:D:169:LYS:CD	1:D:343:ASN:HD22	2.25	0.45
1:D:323:ASP:O	1:D:327:ILE:N	2.40	0.45
1:E:47:TRP:CZ3	1:Q:210:TYR:CE2	3.05	0.45
1:G:243:ASN:OD1	1:G:347:GLY:O	2.34	0.45
1:J:47:TRP:CZ3	1:L:210:TYR:CE2	3.04	0.45
1:Q:80:MET:HG2	1:Q:190:ALA:O	2.15	0.45
1:Q:137:GLU:HG3	1:Q:285:PHE:CE1	2.52	0.45
1:T:210:TYR:CE2	1:f:47:TRP:CZ3	3.04	0.45
1:V:230:PHE:CD2	1:V:330:TYR:CE2	3.03	0.45
1:W:309:GLN:HE22	1:W:320:PRO:HG3	1.81	0.45
1:X:137:GLU:HG3	1:X:285:PHE:CE1	2.52	0.45
1:X:157:MET:HE3	1:X:273:LEU:HD22	1.98	0.45
1:Z:47:TRP:CZ3	1:x:210:TYR:CE2	3.04	0.45
1:8:137:GLU:HG3	1:8:285:PHE:CE1	2.52	0.45
1:a:159:HIS:CD2	1:a:220:PHE:CZ	3.04	0.45
1:a:309:GLN:HE22	1:a:320:PRO:HG3	1.81	0.45
1:c:157:MET:HE3	1:c:273:LEU:HD22	1.98	0.45
1:c:323:ASP:O	1:c:327:ILE:N	2.40	0.45
1:d:157:MET:HE3	1:d:273:LEU:HD22	1.97	0.45
1:e:243:ASN:OD1	1:e:347:GLY:O	2.34	0.45
1:h:137:GLU:HG3	1:h:285:PHE:CE1	2.52	0.45
1:h:159:HIS:CD2	1:h:220:PHE:CZ	3.04	0.45
1:i:130:ASN:OD1	1:1:210:TYR:HD2	1.98	0.45
1:j:137:GLU:HG3	1:j:285:PHE:CE1	2.52	0.45
1:k:76:THR:HB	1:k:77:PRO:HD2	1.98	0.45
1:k:309:GLN:HE22	1:k:320:PRO:HG3	1.81	0.45
1:n:167:LEU:HD23	1:n:170:VAL:HG22	1.99	0.45
1:o:80:MET:HG2	1:o:190:ALA:O	2.15	0.45
1:p:159:HIS:CD2	1:p:220:PHE:CZ	3.04	0.45
1:p:230:PHE:CD2	1:p:330:TYR:CE2	3.03	0.45
1:q:46:VAL:HG21	1:r:218:LEU:HD21	1.98	0.45
1:t:159:HIS:CD2	1:t:220:PHE:CZ	3.04	0.45
1:t:309:GLN:HE22	1:t:320:PRO:HG3	1.81	0.45
1:u:309:GLN:HE22	1:u:320:PRO:HG3	1.81	0.45
1:w:137:GLU:HG3	1:w:285:PHE:CE1	2.52	0.45
1:1:243:ASN:OD1	1:1:347:GLY:O	2.34	0.45
1:2:80:MET:HG2	1:2:190:ALA:O	2.15	0.45
1:C:134:THR:OG1	1:C:288:ASN:HB2	2.16	0.45
1:C:182:SER:OG	1:C:187:ASP:OD2	2.23	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:210:TYR:CE2	1:M:47:TRP:CZ3	3.04	0.45
1:E:94:TYR:HA	1:E:184:ARG:HD3	1.98	0.45
1:E:167:LEU:HD23	1:E:170:VAL:HG22	1.99	0.45
1:E:218:LEU:HD21	1:F:46:VAL:HG21	1.98	0.45
1:F:159:HIS:CD2	1:F:220:PHE:CZ	3.04	0.45
1:F:230:PHE:CD2	1:F:330:TYR:CE2	3.03	0.45
1:G:46:VAL:HG21	1:I:218:LEU:HD21	1.98	0.45
1:G:76:THR:HB	1:G:77:PRO:HD2	1.98	0.45
1:H:134:THR:OG1	1:H:288:ASN:HB2	2.16	0.45
1:H:157:MET:HE3	1:H:273:LEU:HD22	1.97	0.45
1:J:169:LYS:CD	1:J:343:ASN:HD22	2.25	0.45
1:K:167:LEU:HD23	1:K:170:VAL:HG22	1.99	0.45
1:K:218:LEU:HD21	1:2:46:VAL:HG21	1.98	0.45
1:N:243:ASN:OD1	1:N:347:GLY:O	2.34	0.45
1:O:134:THR:OG1	1:O:288:ASN:HB2	2.16	0.45
1:Q:157:MET:HE3	1:Q:273:LEU:HD22	1.98	0.45
1:Q:167:LEU:HD23	1:Q:170:VAL:HG22	1.99	0.45
1:T:167:LEU:HD23	1:T:170:VAL:HG22	1.99	0.45
1:V:157:MET:HE3	1:V:273:LEU:HD22	1.97	0.45
1:V:309:GLN:HE22	1:V:320:PRO:HG3	1.81	0.45
1:Z:137:GLU:HG3	1:Z:285:PHE:CE1	2.52	0.45
1:3:47:TRP:CZ3	1:b:210:TYR:CE2	3.04	0.45
1:c:309:GLN:HE22	1:c:320:PRO:HG3	1.81	0.45
1:d:134:THR:OG1	1:d:288:ASN:HB2	2.16	0.45
1:e:309:GLN:HE22	1:e:320:PRO:HG3	1.81	0.45
1:g:167:LEU:HD23	1:g:170:VAL:HG22	1.99	0.45
1:j:134:THR:OG1	1:j:288:ASN:HB2	2.16	0.45
1:k:210:TYR:CE2	1:m:47:TRP:CZ3	3.04	0.45
1:l:47:TRP:CZ3	1:m:210:TYR:CE2	3.04	0.45
1:l:169:LYS:CD	1:l:343:ASN:HD22	2.25	0.45
1:o:157:MET:HE3	1:o:273:LEU:HD22	1.98	0.45
1:q:76:THR:HB	1:q:77:PRO:HD2	1.98	0.45
1:q:243:ASN:OD1	1:q:347:GLY:O	2.34	0.45
1:s:137:GLU:HG3	1:s:285:PHE:CE1	2.52	0.45
1:u:46:VAL:HG21	1:v:218:LEU:HD21	1.99	0.45
1:v:137:GLU:HG3	1:v:285:PHE:CE1	2.51	0.45
1:A:137:GLU:HG3	1:A:285:PHE:CE1	2.52	0.45
1:B:47:TRP:CZ3	1:J:210:TYR:CE2	3.04	0.45
1:B:76:THR:HB	1:B:77:PRO:HD2	1.98	0.45
1:C:46:VAL:HG21	1:7:218:LEU:HD21	1.99	0.45
1:G:159:HIS:CD2	1:G:220:PHE:CZ	3.04	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:117:LYS:HB2	1:I:117:LYS:HE3	1.73	0.45
1:K:46:VAL:HG21	1:8:218:LEU:HD21	1.98	0.45
1:K:243:ASN:OD1	1:K:347:GLY:O	2.34	0.45
1:M:137:GLU:HG3	1:M:285:PHE:CE1	2.52	0.45
1:O:46:VAL:HG21	1:g:218:LEU:HD21	1.99	0.45
1:O:80:MET:HG2	1:O:190:ALA:O	2.15	0.45
1:O:182:SER:OG	1:O:187:ASP:OD2	2.23	0.45
1:R:46:VAL:HG21	1:S:218:LEU:HD21	1.99	0.45
1:R:309:GLN:HE22	1:R:320:PRO:HG3	1.81	0.45
1:S:137:GLU:HG3	1:S:285:PHE:CE1	2.52	0.45
1:S:323:ASP:O	1:S:327:ILE:N	2.40	0.45
1:U:159:HIS:CD2	1:U:220:PHE:CZ	3.04	0.45
1:Z:159:HIS:CD2	1:Z:220:PHE:CZ	3.04	0.45
1:Z:309:GLN:HE22	1:Z:320:PRO:HG3	1.81	0.45
1:6:143:GLY:O	1:6:144:THR:OG1	2.25	0.45
1:b:243:ASN:OD1	1:b:347:GLY:O	2.34	0.45
1:b:260:VAL:HG12	1:b:328:GLN:CD	2.40	0.45
1:d:169:LYS:CD	1:d:343:ASN:HD22	2.25	0.45
1:e:210:TYR:HD2	1:q:130:ASN:OD1	1.99	0.45
1:f:137:GLU:HG3	1:f:285:PHE:CE1	2.52	0.45
1:f:159:HIS:CD2	1:f:220:PHE:CZ	3.04	0.45
1:f:309:GLN:HE22	1:f:320:PRO:HG3	1.81	0.45
1:g:243:ASN:OD1	1:g:347:GLY:O	2.34	0.45
1:h:117:LYS:HB2	1:h:117:LYS:HE3	1.73	0.45
1:i:137:GLU:HG3	1:i:285:PHE:CE1	2.52	0.45
1:k:47:TRP:CZ3	1:l:210:TYR:CE2	3.04	0.45
1:n:94:TYR:HA	1:n:184:ARG:HD3	1.98	0.45
1:q:159:HIS:CD2	1:q:220:PHE:CZ	3.04	0.45
1:t:167:LEU:HD23	1:t:170:VAL:HG22	1.99	0.45
1:w:94:TYR:HA	1:w:184:ARG:HD3	1.98	0.45
1:x:167:LEU:HD23	1:x:170:VAL:HG22	1.99	0.45
1:y:157:MET:HE3	1:y:273:LEU:HD22	1.97	0.45
1:z:159:HIS:CD2	1:z:220:PHE:CZ	3.04	0.45
1:D:159:HIS:CD2	1:D:220:PHE:CZ	3.04	0.45
1:I:270:GLY:HA2	1:I:346:PHE:CE1	2.47	0.45
1:K:159:HIS:CD2	1:K:220:PHE:CZ	3.04	0.45
1:L:167:LEU:HD23	1:L:170:VAL:HG22	1.99	0.45
1:M:130:ASN:OD1	1:N:210:TYR:HD2	1.98	0.45
1:M:243:ASN:OD1	1:M:347:GLY:O	2.34	0.45
1:M:323:ASP:O	1:M:327:ILE:N	2.40	0.45
1:N:46:VAL:HG21	1:P:218:LEU:HD21	1.99	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:137:GLU:HG3	1:N:285:PHE:CE1	2.52	0.45
1:O:137:GLU:HG3	1:O:285:PHE:CE1	2.52	0.45
1:P:157:MET:HE3	1:P:273:LEU:HD22	1.97	0.45
1:R:169:LYS:CD	1:R:343:ASN:HD22	2.25	0.45
1:U:167:LEU:HD23	1:U:170:VAL:HG22	1.99	0.45
1:U:243:ASN:OD1	1:U:347:GLY:O	2.34	0.45
1:W:167:LEU:HD23	1:W:170:VAL:HG22	1.99	0.45
1:X:210:TYR:CE2	1:4:47:TRP:CZ3	3.04	0.45
1:X:260:VAL:HG12	1:X:328:GLN:CD	2.40	0.45
1:Y:80:MET:HG2	1:Y:190:ALA:O	2.15	0.45
1:Z:157:MET:HE3	1:Z:273:LEU:HD22	1.98	0.45
1:Z:184:ARG:NH1	1:Z:295:THR:OG1	2.40	0.45
1:Z:278:ILE:HG12	1:8:290:GLN:OE1	2.17	0.45
1:6:134:THR:OG1	1:6:288:ASN:HB2	2.16	0.45
1:5:94:TYR:HA	1:5:184:ARG:HD3	1.98	0.45
1:5:243:ASN:OD1	1:5:347:GLY:O	2.34	0.45
1:a:157:MET:HE3	1:a:273:LEU:HD22	1.97	0.45
1:f:157:MET:HE3	1:f:273:LEU:HD22	1.97	0.45
1:f:278:ILE:HG12	1:h:290:GLN:OE1	2.17	0.45
1:h:157:MET:HE3	1:h:273:LEU:HD22	1.98	0.45
1:m:137:GLU:HG3	1:m:285:PHE:CE1	2.51	0.45
1:o:167:LEU:HD23	1:o:170:VAL:HG22	1.99	0.45
1:o:228:PHE:HE2	1:o:230:PHE:HE1	0.79	0.45
1:p:309:GLN:HE22	1:p:320:PRO:HG3	1.81	0.45
1:r:117:LYS:HB2	1:r:117:LYS:HE3	1.73	0.45
1:t:243:ASN:OD1	1:t:347:GLY:O	2.34	0.45
1:u:169:LYS:CD	1:u:343:ASN:HD22	2.25	0.45
1:v:76:THR:HB	1:v:77:PRO:HD2	1.98	0.45
1:w:243:ASN:OD1	1:w:347:GLY:O	2.34	0.45
1:A:157:MET:HE3	1:A:273:LEU:HD22	1.97	0.45
1:D:210:TYR:HD2	1:E:130:ASN:OD1	1.99	0.45
1:F:210:TYR:CE2	1:Q:47:TRP:CZ3	3.04	0.45
1:G:130:ASN:OD1	1:W:210:TYR:HD2	1.99	0.45
1:G:137:GLU:HG3	1:G:285:PHE:CE1	2.52	0.45
1:H:137:GLU:HG3	1:H:285:PHE:CE1	2.52	0.45
1:J:309:GLN:HE22	1:J:320:PRO:HG3	1.81	0.45
1:L:309:GLN:HE22	1:L:320:PRO:HG3	1.81	0.45
1:M:167:LEU:HD23	1:M:170:VAL:HG22	1.99	0.45
1:N:157:MET:HE3	1:N:273:LEU:HD22	1.98	0.45
1:P:167:LEU:HD23	1:P:170:VAL:HG22	1.99	0.45
1:Q:228:PHE:HE2	1:Q:230:PHE:HE1	0.79	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:S:76:THR:HB	1:S:77:PRO:HD2	1.98	0.45
1:S:117:LYS:HE3	1:S:117:LYS:HB2	1.73	0.45
1:X:210:TYR:HD2	1:3:130:ASN:OD1	1.98	0.45
1:Y:167:LEU:HD23	1:Y:170:VAL:HG22	1.99	0.45
1:Z:117:LYS:HB2	1:Z:117:LYS:HE3	1.73	0.45
1:8:47:TRP:CZ3	1:2:210:TYR:CE2	3.05	0.45
1:8:157:MET:HE3	1:8:273:LEU:HD22	1.98	0.45
1:8:167:LEU:HD23	1:8:170:VAL:HG22	1.99	0.45
1:6:167:LEU:HD23	1:6:170:VAL:HG22	1.99	0.45
1:6:209:ARG:CB	1:j:46:VAL:CG1	2.84	0.45
1:4:130:ASN:OD1	1:b:210:TYR:HD2	1.98	0.45
1:4:159:HIS:CD2	1:4:220:PHE:CZ	3.04	0.45
1:3:159:HIS:CD2	1:3:220:PHE:CZ	3.04	0.45
1:a:210:TYR:HD2	1:e:130:ASN:OD1	1.99	0.45
1:c:80:MET:HG2	1:c:190:ALA:O	2.15	0.45
1:e:167:LEU:HD23	1:e:170:VAL:HG22	1.99	0.45
1:e:228:PHE:HE2	1:e:230:PHE:HE1	0.79	0.45
1:g:46:VAL:HG21	1:h:218:LEU:HD21	1.98	0.45
1:g:134:THR:OG1	1:g:288:ASN:HB2	2.16	0.45
1:i:167:LEU:HD23	1:i:170:VAL:HG22	1.99	0.45
1:i:243:ASN:OD1	1:i:347:GLY:O	2.34	0.45
1:j:182:SER:OG	1:j:187:ASP:OD2	2.23	0.45
1:k:218:LEU:HD21	1:m:46:VAL:HG21	1.99	0.45
1:l:309:GLN:HE22	1:l:320:PRO:HG3	1.81	0.45
1:m:167:LEU:HD23	1:m:170:VAL:HG22	1.99	0.45
1:o:323:ASP:O	1:o:327:ILE:N	2.40	0.45
1:s:157:MET:HE3	1:s:273:LEU:HD22	1.97	0.45
1:v:167:LEU:HD23	1:v:170:VAL:HG22	1.99	0.45
1:y:218:LEU:HD21	1:1:46:VAL:HG21	1.99	0.45
1:1:137:GLU:HG3	1:1:285:PHE:CE1	2.52	0.45
1:1:157:MET:HE3	1:1:273:LEU:HD22	1.98	0.45
1:2:137:GLU:HG3	1:2:285:PHE:CE1	2.52	0.45
1:B:137:GLU:HG3	1:B:285:PHE:CE1	2.52	0.45
1:B:218:LEU:HD21	1:L:46:VAL:HG21	1.99	0.45
1:B:243:ASN:OD1	1:B:347:GLY:O	2.34	0.45
1:C:46:VAL:CG1	1:7:209:ARG:CB	2.84	0.45
1:D:184:ARG:NH1	1:D:295:THR:OG1	2.40	0.45
1:G:157:MET:HE3	1:G:273:LEU:HD22	1.98	0.45
1:J:167:LEU:HD23	1:J:170:VAL:HG22	1.99	0.45
1:K:134:THR:OG1	1:K:288:ASN:HB2	2.16	0.45
1:L:137:GLU:HG3	1:L:285:PHE:CE1	2.52	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:95:ASN:HB3	1:M:181:SER:O	2.17	0.45
1:O:210:TYR:CE2	1:h:47:TRP:CZ3	3.05	0.45
1:Q:159:HIS:CD2	1:Q:220:PHE:CZ	3.04	0.45
1:S:167:LEU:HD23	1:S:170:VAL:HG22	1.99	0.45
1:T:137:GLU:HG3	1:T:285:PHE:CE1	2.52	0.45
1:V:94:TYR:HA	1:V:184:ARG:HD3	1.98	0.45
1:V:210:TYR:HD2	1:W:130:ASN:OD1	1.99	0.45
1:X:243:ASN:OD1	1:X:347:GLY:O	2.34	0.45
1:X:309:GLN:HE22	1:X:320:PRO:HG3	1.81	0.45
1:Y:309:GLN:HE22	1:Y:320:PRO:HG3	1.81	0.45
1:Z:46:VAL:HG21	1:x:218:LEU:HD21	1.98	0.45
1:8:350:CYS:SG	1:8:353:VAL:HG23	2.57	0.45
1:7:134:THR:OG1	1:7:288:ASN:HB2	2.16	0.45
1:7:167:LEU:HD23	1:7:170:VAL:HG22	1.99	0.45
1:4:167:LEU:HD23	1:4:170:VAL:HG22	1.99	0.45
1:3:167:LEU:HD23	1:3:170:VAL:HG22	1.99	0.45
1:a:94:TYR:HA	1:a:184:ARG:HD3	1.98	0.45
1:b:134:THR:OG1	1:b:288:ASN:HB2	2.16	0.45
1:b:309:GLN:HE22	1:b:320:PRO:HG3	1.81	0.45
1:c:167:LEU:HD23	1:c:170:VAL:HG22	1.99	0.45
1:e:143:GLY:O	1:e:144:THR:OG1	2.25	0.45
1:f:184:ARG:NH1	1:f:295:THR:OG1	2.40	0.45
1:g:76:THR:HB	1:g:77:PRO:HD2	1.98	0.45
1:g:159:HIS:CD2	1:g:220:PHE:CZ	3.04	0.45
1:h:167:LEU:HD23	1:h:170:VAL:HG22	1.99	0.45
1:h:350:CYS:SG	1:h:353:VAL:HG23	2.57	0.45
1:k:157:MET:HE3	1:k:273:LEU:HD22	1.97	0.45
1:k:243:ASN:OD1	1:k:347:GLY:O	2.34	0.45
1:l:167:LEU:HD23	1:l:170:VAL:HG22	1.99	0.45
1:n:46:VAL:HG21	1:o:218:LEU:HD21	1.98	0.45
1:n:130:ASN:OD1	1:z:210:TYR:HD2	1.99	0.45
1:o:159:HIS:CD2	1:o:220:PHE:CZ	3.04	0.45
1:q:137:GLU:HG3	1:q:285:PHE:CE1	2.52	0.45
1:q:157:MET:HE3	1:q:273:LEU:HD22	1.97	0.45
1:r:94:TYR:HA	1:r:184:ARG:HD3	1.98	0.45
1:s:323:ASP:O	1:s:327:ILE:N	2.40	0.45
1:v:94:TYR:HA	1:v:184:ARG:HD3	1.98	0.45
1:v:290:GLN:OE1	1:w:278:ILE:HG12	2.17	0.45
1:y:309:GLN:HE22	1:y:320:PRO:HG3	1.81	0.45
1:1:167:LEU:HD23	1:1:170:VAL:HG22	1.99	0.45
1:A:94:TYR:HA	1:A:184:ARG:HD3	1.98	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:157:MET:HE3	1:B:273:LEU:HD22	1.97	0.45
1:C:167:LEU:HD23	1:C:170:VAL:HG22	1.99	0.45
1:D:95:ASN:HB3	1:D:181:SER:O	2.17	0.45
1:F:167:LEU:HD23	1:F:170:VAL:HG22	1.99	0.45
1:F:309:GLN:HE22	1:F:320:PRO:HG3	1.81	0.45
1:H:210:TYR:CE2	1:Y:47:TRP:CZ3	3.04	0.45
1:H:243:ASN:OD1	1:H:347:GLY:O	2.34	0.45
1:I:94:TYR:HA	1:I:184:ARG:HD3	1.98	0.45
1:K:76:THR:HB	1:K:77:PRO:HD2	1.98	0.45
1:N:167:LEU:HD23	1:N:170:VAL:HG22	1.99	0.45
1:O:94:TYR:HA	1:O:184:ARG:HD3	1.98	0.45
1:P:134:THR:OG1	1:P:288:ASN:HB2	2.16	0.45
1:P:137:GLU:HG3	1:P:285:PHE:CE1	2.52	0.45
1:P:309:GLN:HE22	1:P:320:PRO:HG3	1.81	0.45
1:Q:290:GLN:OE1	1:S:278:ILE:HG12	2.17	0.45
1:Q:323:ASP:O	1:Q:327:ILE:N	2.40	0.45
1:R:94:TYR:HA	1:R:184:ARG:HD3	1.98	0.45
1:S:94:TYR:HA	1:S:184:ARG:HD3	1.98	0.45
1:T:218:LEU:HD21	1:f:46:VAL:HG21	1.98	0.45
1:V:210:TYR:CE2	1:X:47:TRP:CZ3	3.04	0.45
1:X:134:THR:OG1	1:X:288:ASN:HB2	2.16	0.45
1:3:184:ARG:NH1	1:3:295:THR:OG1	2.40	0.45
1:a:210:TYR:CE2	1:b:47:TRP:CZ3	3.04	0.45
1:d:137:GLU:HG3	1:d:285:PHE:CE1	2.52	0.45
1:g:137:GLU:HG3	1:g:285:PHE:CE1	2.52	0.45
1:h:76:THR:HB	1:h:77:PRO:HD2	1.98	0.45
1:j:95:ASN:HB3	1:j:181:SER:O	2.17	0.45
1:j:323:ASP:O	1:j:327:ILE:N	2.40	0.45
1:k:137:GLU:HG3	1:k:285:PHE:CE1	2.52	0.45
1:m:309:GLN:HE22	1:m:320:PRO:HG3	1.81	0.45
1:n:323:ASP:O	1:n:327:ILE:N	2.40	0.45
1:o:47:TRP:CZ3	1:p:210:TYR:CE2	3.04	0.45
1:o:290:GLN:OE1	1:v:278:ILE:HG12	2.17	0.45
1:r:270:GLY:HA2	1:r:346:PHE:CE1	2.47	0.45
1:s:76:THR:HB	1:s:77:PRO:HD2	1.98	0.45
1:s:143:GLY:O	1:s:144:THR:OG1	2.25	0.45
1:s:350:CYS:SG	1:s:353:VAL:HG23	2.57	0.45
1:u:94:TYR:HA	1:u:184:ARG:HD3	1.98	0.45
1:w:350:CYS:SG	1:w:353:VAL:HG23	2.57	0.45
1:x:137:GLU:HG3	1:x:285:PHE:CE1	2.52	0.45
1:y:137:GLU:HG3	1:y:285:PHE:CE1	2.52	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2:94:TYR:HA	1:2:184:ARG:HD3	1.98	0.45
1:A:143:GLY:O	1:A:144:THR:OG1	2.25	0.45
1:C:95:ASN:HB3	1:C:181:SER:O	2.17	0.45
1:E:46:VAL:HG21	1:Q:218:LEU:HD21	1.98	0.45
1:E:159:HIS:NE2	1:E:271:HIS:HD2	2.15	0.45
1:F:94:TYR:HA	1:F:184:ARG:HD3	1.98	0.45
1:G:323:ASP:O	1:G:327:ILE:N	2.40	0.45
1:K:117:LYS:HE3	1:K:117:LYS:HB2	1.73	0.45
1:K:137:GLU:HG3	1:K:285:PHE:CE1	2.52	0.45
1:L:94:TYR:HA	1:L:184:ARG:HD3	1.98	0.45
1:L:350:CYS:SG	1:L:353:VAL:HG23	2.57	0.45
1:Q:95:ASN:HB3	1:Q:181:SER:O	2.17	0.45
1:R:350:CYS:SG	1:R:353:VAL:HG23	2.57	0.45
1:S:159:HIS:CD2	1:S:220:PHE:CZ	3.04	0.45
1:T:350:CYS:SG	1:T:353:VAL:HG23	2.57	0.45
1:V:137:GLU:HG3	1:V:285:PHE:CE1	2.52	0.45
1:V:218:LEU:HD21	1:X:46:VAL:HG21	1.98	0.45
1:Z:159:HIS:NE2	1:Z:271:HIS:HD2	2.15	0.45
1:8:76:THR:HB	1:8:77:PRO:HD2	1.98	0.45
1:8:134:THR:OG1	1:8:288:ASN:HB2	2.16	0.45
1:8:159:HIS:NE2	1:8:271:HIS:HD2	2.15	0.45
1:7:243:ASN:OD1	1:7:347:GLY:O	2.34	0.45
1:6:243:ASN:OD1	1:6:347:GLY:O	2.34	0.45
1:a:137:GLU:HG3	1:a:285:PHE:CE1	2.52	0.45
1:a:218:LEU:HD21	1:b:46:VAL:HG21	1.98	0.45
1:c:47:TRP:CZ3	1:d:210:TYR:CE2	3.04	0.45
1:c:137:GLU:HG3	1:c:285:PHE:CE1	2.52	0.45
1:d:243:ASN:OD1	1:d:347:GLY:O	2.34	0.45
1:e:137:GLU:HG3	1:e:285:PHE:CE1	2.52	0.45
1:e:350:CYS:SG	1:e:353:VAL:HG23	2.57	0.45
1:f:350:CYS:SG	1:f:353:VAL:HG23	2.57	0.45
1:g:95:ASN:HB3	1:g:181:SER:O	2.17	0.45
1:h:134:THR:OG1	1:h:288:ASN:HB2	2.16	0.45
1:i:95:ASN:HB3	1:i:181:SER:O	2.17	0.45
1:i:117:LYS:HB2	1:i:117:LYS:HE3	1.73	0.45
1:j:309:GLN:HE22	1:j:320:PRO:HG3	1.81	0.45
1:m:350:CYS:SG	1:m:353:VAL:HG23	2.57	0.45
1:n:218:LEU:HD21	1:p:46:VAL:HG21	1.99	0.45
1:p:94:TYR:HA	1:p:184:ARG:HD3	1.98	0.45
1:p:167:LEU:HD23	1:p:170:VAL:HG22	1.99	0.45
1:q:323:ASP:O	1:q:327:ILE:N	2.40	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:r:167:LEU:HD23	1:r:170:VAL:HG22	1.99	0.45
1:s:94:TYR:HA	1:s:184:ARG:HD3	1.98	0.45
1:s:184:ARG:NH1	1:s:295:THR:OG1	2.40	0.45
1:v:159:HIS:CD2	1:v:220:PHE:CZ	3.04	0.45
1:w:309:GLN:HE22	1:w:320:PRO:HG3	1.81	0.45
1:x:350:CYS:SG	1:x:353:VAL:HG23	2.57	0.45
1:y:76:THR:HB	1:y:77:PRO:HD2	1.98	0.45
1:y:134:THR:OG1	1:y:288:ASN:HB2	2.16	0.45
1:y:167:LEU:HD23	1:y:170:VAL:HG22	1.99	0.45
1:z:95:ASN:HB3	1:z:181:SER:O	2.17	0.45
1:2:182:SER:OG	1:2:187:ASP:OD2	2.23	0.45
1:A:323:ASP:O	1:A:327:ILE:N	2.40	0.45
1:A:350:CYS:SG	1:A:353:VAL:HG23	2.57	0.45
1:D:126:TYR:OH	1:D:271:HIS:CD2	2.70	0.45
1:E:270:GLY:HA2	1:E:346:PHE:CE1	2.47	0.45
1:G:159:HIS:NE2	1:G:271:HIS:HD2	2.15	0.45
1:I:350:CYS:SG	1:I:353:VAL:HG23	2.57	0.45
1:K:95:ASN:HB3	1:K:181:SER:O	2.17	0.45
1:O:278:ILE:HG12	1:5:290:GLN:OE1	2.17	0.45
1:P:76:THR:HB	1:P:77:PRO:HD2	1.97	0.45
1:R:137:GLU:HG3	1:R:285:PHE:CE1	2.52	0.45
1:S:290:GLN:OE1	1:5:278:ILE:HG12	2.17	0.45
1:W:137:GLU:HG3	1:W:285:PHE:CE1	2.52	0.45
1:W:350:CYS:SG	1:W:353:VAL:HG23	2.57	0.45
1:Y:134:THR:OG1	1:Y:288:ASN:HB2	2.16	0.45
1:Y:137:GLU:HG3	1:Y:285:PHE:CE1	2.52	0.45
1:Z:350:CYS:SG	1:Z:353:VAL:HG23	2.57	0.45
1:7:143:GLY:O	1:7:144:THR:OG1	2.25	0.45
1:7:309:GLN:HE22	1:7:320:PRO:HG3	1.81	0.45
1:6:95:ASN:HB3	1:6:181:SER:O	2.17	0.45
1:5:309:GLN:HE22	1:5:320:PRO:HG3	1.81	0.45
1:5:350:CYS:SG	1:5:353:VAL:HG23	2.57	0.45
1:4:350:CYS:SG	1:4:353:VAL:HG23	2.57	0.45
1:c:218:LEU:HD21	1:e:46:VAL:HG21	1.99	0.45
1:d:159:HIS:NE2	1:d:271:HIS:HD2	2.15	0.45
1:f:117:LYS:HE3	1:f:117:LYS:HB2	1.73	0.45
1:f:159:HIS:NE2	1:f:271:HIS:HD2	2.15	0.45
1:h:159:HIS:NE2	1:h:271:HIS:HD2	2.15	0.45
1:i:126:TYR:OH	1:i:271:HIS:CD2	2.70	0.45
1:i:350:CYS:SG	1:i:353:VAL:HG23	2.57	0.45
1:j:210:TYR:HD2	1:z:130:ASN:OD1	1.99	0.45

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:m:94:TYR:HA	1:m:184:ARG:HD3	1.98	0.45
1:m:159:HIS:NE2	1:m:271:HIS:HD2	2.15	0.45
1:n:159:HIS:NE2	1:n:271:HIS:HD2	2.15	0.45
1:o:95:ASN:HB3	1:o:181:SER:O	2.17	0.45
1:r:309:GLN:HE22	1:r:320:PRO:HG3	1.81	0.45
1:r:350:CYS:SG	1:r:353:VAL:HG23	2.57	0.45
1:u:350:CYS:SG	1:u:353:VAL:HG23	2.57	0.45
1:z:126:TYR:OH	1:z:271:HIS:CD2	2.70	0.45
1:1:134:THR:OG1	1:1:288:ASN:HB2	2.16	0.45
1:A:76:THR:HB	1:A:77:PRO:HD2	1.98	0.44
1:A:167:LEU:HD23	1:A:170:VAL:HG22	1.99	0.44
1:C:210:TYR:HD2	1:D:130:ASN:OD1	1.99	0.44
1:D:167:LEU:HD23	1:D:170:VAL:HG22	1.99	0.44
1:E:137:GLU:HG3	1:E:285:PHE:CE1	2.52	0.44
1:E:323:ASP:O	1:E:327:ILE:N	2.40	0.44
1:F:105:VAL:O	1:F:105:VAL:HG12	2.18	0.44
1:F:117:LYS:HE3	1:F:117:LYS:HB2	1.73	0.44
1:F:290:GLN:OE1	1:G:278:ILE:HG12	2.17	0.44
1:H:159:HIS:NE2	1:H:271:HIS:HD2	2.15	0.44
1:I:167:LEU:HD23	1:I:170:VAL:HG22	1.99	0.44
1:I:309:GLN:HE22	1:I:320:PRO:HG3	1.81	0.44
1:J:137:GLU:HG3	1:J:285:PHE:CE1	2.52	0.44
1:L:159:HIS:NE2	1:L:271:HIS:HD2	2.16	0.44
1:M:126:TYR:OH	1:M:271:HIS:CD2	2.71	0.44
1:M:350:CYS:SG	1:M:353:VAL:HG23	2.57	0.44
1:N:134:THR:OG1	1:N:288:ASN:HB2	2.16	0.44
1:O:309:GLN:HE22	1:O:320:PRO:HG3	1.81	0.44
1:Q:94:TYR:HA	1:Q:184:ARG:HD3	1.98	0.44
1:Q:309:GLN:HE22	1:Q:320:PRO:HG3	1.81	0.44
1:R:159:HIS:NE2	1:R:271:HIS:HD2	2.15	0.44
1:S:126:TYR:OH	1:S:271:HIS:CD2	2.71	0.44
1:S:159:HIS:NE2	1:S:271:HIS:HD2	2.16	0.44
1:U:137:GLU:HG3	1:U:285:PHE:CE1	2.52	0.44
1:V:159:HIS:NE2	1:V:271:HIS:HD2	2.15	0.44
1:W:46:VAL:HG21	1:Y:218:LEU:HD21	2.00	0.44
1:X:94:TYR:HA	1:X:184:ARG:HD3	1.98	0.44
1:Y:290:GLN:OE1	1:x:278:ILE:HG12	2.18	0.44
1:Z:94:TYR:HA	1:Z:184:ARG:HD3	1.98	0.44
1:8:117:LYS:HB2	1:8:117:LYS:HE3	1.73	0.44
1:8:126:TYR:OH	1:8:271:HIS:CD2	2.71	0.44
1:8:325:LEU:HD12	1:8:365:LEU:HD11	2.00	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7:94:TYR:HA	1:7:184:ARG:HD3	1.98	0.44
1:7:159:HIS:NE2	1:7:271:HIS:HD2	2.15	0.44
1:7:350:CYS:SG	1:7:353:VAL:HG23	2.57	0.44
1:6:94:TYR:HA	1:6:184:ARG:HD3	1.98	0.44
1:6:325:LEU:HD12	1:6:365:LEU:HD11	2.00	0.44
1:6:350:CYS:SG	1:6:353:VAL:HG23	2.57	0.44
1:5:47:TRP:CZ3	1:f:210:TYR:CE2	3.05	0.44
1:4:184:ARG:NH1	1:4:295:THR:OG1	2.40	0.44
1:3:350:CYS:SG	1:3:353:VAL:HG23	2.57	0.44
1:a:159:HIS:NE2	1:a:271:HIS:HD2	2.15	0.44
1:b:94:TYR:HA	1:b:184:ARG:HD3	1.98	0.44
1:c:134:THR:OG1	1:c:288:ASN:HB2	2.16	0.44
1:d:270:GLY:HA2	1:d:346:PHE:CE1	2.47	0.44
1:f:94:TYR:HA	1:f:184:ARG:HD3	1.98	0.44
1:f:167:LEU:HD23	1:f:170:VAL:HG22	1.99	0.44
1:f:210:TYR:HD2	1:h:130:ASN:OD1	1.99	0.44
1:j:167:LEU:HD23	1:j:170:VAL:HG22	1.99	0.44
1:l:95:ASN:HB3	1:l:181:SER:O	2.17	0.44
1:l:137:GLU:HG3	1:l:285:PHE:CE1	2.51	0.44
1:l:159:HIS:NE2	1:l:271:HIS:HD2	2.16	0.44
1:l:323:ASP:O	1:l:327:ILE:N	2.40	0.44
1:n:137:GLU:HG3	1:n:285:PHE:CE1	2.52	0.44
1:o:94:TYR:HA	1:o:184:ARG:HD3	1.98	0.44
1:o:105:VAL:HG12	1:o:105:VAL:O	2.18	0.44
1:p:105:VAL:O	1:p:105:VAL:HG12	2.18	0.44
1:p:159:HIS:NE2	1:p:271:HIS:HD2	2.15	0.44
1:q:159:HIS:NE2	1:q:271:HIS:HD2	2.16	0.44
1:v:126:TYR:OH	1:v:271:HIS:CD2	2.71	0.44
1:v:159:HIS:NE2	1:v:271:HIS:HD2	2.16	0.44
1:w:105:VAL:HG12	1:w:105:VAL:O	2.18	0.44
1:w:290:GLN:OE1	1:2:278:ILE:HG12	2.17	0.44
1:z:167:LEU:HD23	1:z:170:VAL:HG22	1.99	0.44
1:z:184:ARG:NH1	1:z:295:THR:OG1	2.40	0.44
1:2:159:HIS:NE2	1:2:271:HIS:HD2	2.15	0.44
1:A:105:VAL:O	1:A:105:VAL:HG12	2.18	0.44
1:A:126:TYR:OH	1:A:271:HIS:CD2	2.71	0.44
1:A:309:GLN:HE22	1:A:320:PRO:HG3	1.81	0.44
1:A:325:LEU:HD12	1:A:365:LEU:HD11	2.00	0.44
1:B:117:LYS:HE3	1:B:117:LYS:HB2	1.73	0.44
1:B:325:LEU:HD12	1:B:365:LEU:HD11	2.00	0.44
1:C:309:GLN:HE22	1:C:320:PRO:HG3	1.81	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:323:ASP:O	1:C:327:ILE:N	2.40	0.44
1:D:94:TYR:HA	1:D:184:ARG:HD3	1.98	0.44
1:E:309:GLN:HE22	1:E:320:PRO:HG3	1.81	0.44
1:F:159:HIS:NE2	1:F:271:HIS:HD2	2.15	0.44
1:G:47:TRP:CZ3	1:I:210:TYR:CE2	3.05	0.44
1:H:126:TYR:OH	1:H:271:HIS:CD2	2.71	0.44
1:I:137:GLU:HG3	1:I:285:PHE:CE1	2.52	0.44
1:J:95:ASN:HB3	1:J:181:SER:O	2.17	0.44
1:J:159:HIS:NE2	1:J:271:HIS:HD2	2.16	0.44
1:K:94:TYR:HA	1:K:184:ARG:HD3	1.98	0.44
1:K:126:TYR:OH	1:K:271:HIS:CD2	2.70	0.44
1:L:95:ASN:HB3	1:L:181:SER:O	2.17	0.44
1:L:270:GLY:HA2	1:L:346:PHE:CE1	2.47	0.44
1:N:290:GLN:OE1	1:g:278:ILE:HG12	2.18	0.44
1:O:95:ASN:HB3	1:O:181:SER:O	2.17	0.44
1:O:350:CYS:SG	1:O:353:VAL:HG23	2.57	0.44
1:P:95:ASN:HB3	1:P:181:SER:O	2.17	0.44
1:T:278:ILE:HG12	1:c:290:GLN:OE1	2.18	0.44
1:Z:105:VAL:O	1:Z:105:VAL:HG12	2.18	0.44
1:Z:167:LEU:HD23	1:Z:170:VAL:HG22	1.99	0.44
1:Z:210:TYR:CE2	1:w:47:TRP:CZ3	3.05	0.44
1:7:325:LEU:HD12	1:7:365:LEU:HD11	2.00	0.44
1:6:309:GLN:HE22	1:6:320:PRO:HG3	1.81	0.44
1:4:126:TYR:OH	1:4:271:HIS:CD2	2.71	0.44
1:4:137:GLU:HG3	1:4:285:PHE:CE1	2.51	0.44
1:3:126:TYR:OH	1:3:271:HIS:CD2	2.71	0.44
1:b:95:ASN:HB3	1:b:181:SER:O	2.17	0.44
1:c:159:HIS:NE2	1:c:271:HIS:HD2	2.15	0.44
1:d:126:TYR:OH	1:d:271:HIS:CD2	2.71	0.44
1:f:105:VAL:O	1:f:105:VAL:HG12	2.18	0.44
1:h:95:ASN:HB3	1:h:181:SER:O	2.17	0.44
1:h:309:GLN:HE22	1:h:320:PRO:HG3	1.81	0.44
1:k:46:VAL:HG21	1:l:218:LEU:HD21	1.99	0.44
1:k:325:LEU:HD12	1:k:365:LEU:HD11	2.00	0.44
1:n:270:GLY:HA2	1:n:346:PHE:CE1	2.47	0.44
1:o:309:GLN:HE22	1:o:320:PRO:HG3	1.81	0.44
1:p:290:GLN:OE1	1:q:278:ILE:HG12	2.17	0.44
1:r:137:GLU:HG3	1:r:285:PHE:CE1	2.52	0.44
1:s:105:VAL:O	1:s:105:VAL:HG12	2.18	0.44
1:s:126:TYR:OH	1:s:271:HIS:CD2	2.71	0.44
1:s:167:LEU:HD23	1:s:170:VAL:HG22	1.99	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:s:325:LEU:HD12	1:s:365:LEU:HD11	2.00	0.44
1:t:137:GLU:HG3	1:t:285:PHE:CE1	2.52	0.44
1:t:350:CYS:SG	1:t:353:VAL:HG23	2.57	0.44
1:u:159:HIS:NE2	1:u:271:HIS:HD2	2.16	0.44
1:y:95:ASN:HB3	1:y:181:SER:O	2.17	0.44
1:y:159:HIS:NE2	1:y:271:HIS:HD2	2.15	0.44
1:z:94:TYR:HA	1:z:184:ARG:HD3	1.98	0.44
1:z:134:THR:OG1	1:z:288:ASN:HB2	2.16	0.44
1:2:95:ASN:HB3	1:2:181:SER:O	2.17	0.44
1:2:350:CYS:SG	1:2:353:VAL:HG23	2.57	0.44
1:B:167:LEU:HD23	1:B:170:VAL:HG22	1.99	0.44
1:C:325:LEU:HD12	1:C:365:LEU:HD11	2.00	0.44
1:D:134:THR:OG1	1:D:288:ASN:HB2	2.16	0.44
1:F:95:ASN:HB3	1:F:181:SER:O	2.17	0.44
1:H:122:THR:CG2	1:H:123:LYS:H	1.93	0.44
1:J:290:GLN:OE1	1:8:278:ILE:HG12	2.17	0.44
1:K:278:ILE:HG12	1:1:290:GLN:OE1	2.18	0.44
1:K:290:GLN:OE1	1:L:278:ILE:HG12	2.17	0.44
1:L:325:LEU:HD12	1:L:365:LEU:HD11	2.00	0.44
1:M:211:TRP:HA	1:7:46:VAL:HG22	2.00	0.44
1:N:126:TYR:OH	1:N:271:HIS:CD2	2.71	0.44
1:N:350:CYS:SG	1:N:353:VAL:HG23	2.57	0.44
1:O:159:HIS:NE2	1:O:271:HIS:HD2	2.16	0.44
1:P:159:HIS:NE2	1:P:271:HIS:HD2	2.15	0.44
1:Q:105:VAL:O	1:Q:105:VAL:HG12	2.18	0.44
1:S:239:VAL:O	1:S:241:GLN:HG3	2.18	0.44
1:S:350:CYS:SG	1:S:353:VAL:HG23	2.57	0.44
1:U:350:CYS:SG	1:U:353:VAL:HG23	2.57	0.44
1:W:94:TYR:HA	1:W:184:ARG:HD3	1.98	0.44
1:X:95:ASN:HB3	1:X:181:SER:O	2.17	0.44
1:X:105:VAL:O	1:X:105:VAL:HG12	2.18	0.44
1:X:239:VAL:O	1:X:241:GLN:HG3	2.18	0.44
1:X:350:CYS:SG	1:X:353:VAL:HG23	2.57	0.44
1:Y:159:HIS:NE2	1:Y:271:HIS:HD2	2.15	0.44
1:Z:95:ASN:HB3	1:Z:181:SER:O	2.17	0.44
1:Z:210:TYR:HD2	1:8:130:ASN:OD1	1.99	0.44
1:8:95:ASN:HB3	1:8:181:SER:O	2.17	0.44
1:7:95:ASN:HB3	1:7:181:SER:O	2.17	0.44
1:7:137:GLU:HG3	1:7:285:PHE:CE1	2.52	0.44
1:6:159:HIS:NE2	1:6:271:HIS:HD2	2.16	0.44
1:5:105:VAL:O	1:5:105:VAL:HG12	2.18	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3:137:GLU:HG3	1:3:285:PHE:CE1	2.52	0.44
1:b:105:VAL:O	1:b:105:VAL:HG12	2.18	0.44
1:b:323:ASP:O	1:b:327:ILE:N	2.40	0.44
1:b:350:CYS:SG	1:b:353:VAL:HG23	2.57	0.44
1:e:94:TYR:HA	1:e:184:ARG:HD3	1.98	0.44
1:f:95:ASN:HB3	1:f:181:SER:O	2.17	0.44
1:g:94:TYR:HA	1:g:184:ARG:HD3	1.98	0.44
1:g:126:TYR:OH	1:g:271:HIS:CD2	2.70	0.44
1:h:126:TYR:OH	1:h:271:HIS:CD2	2.71	0.44
1:h:325:LEU:HD12	1:h:365:LEU:HD11	2.00	0.44
1:j:126:TYR:OH	1:j:271:HIS:CD2	2.71	0.44
1:j:169:LYS:CD	1:j:343:ASN:HD22	2.25	0.44
1:l:94:TYR:HA	1:l:184:ARG:HD3	1.98	0.44
1:m:95:ASN:HB3	1:m:181:SER:O	2.17	0.44
1:m:270:GLY:HA2	1:m:346:PHE:CE1	2.47	0.44
1:n:309:GLN:HE22	1:n:320:PRO:HG3	1.81	0.44
1:p:95:ASN:HB3	1:p:181:SER:O	2.17	0.44
1:q:47:TRP:CZ3	1:r:210:TYR:CE2	3.05	0.44
1:t:184:ARG:NH1	1:t:295:THR:OG1	2.40	0.44
1:u:137:GLU:HG3	1:u:285:PHE:CE1	2.52	0.44
1:v:350:CYS:SG	1:v:353:VAL:HG23	2.57	0.44
1:w:159:HIS:NE2	1:w:271:HIS:HD2	2.15	0.44
1:1:126:TYR:OH	1:1:271:HIS:CD2	2.71	0.44
1:1:350:CYS:SG	1:1:353:VAL:HG23	2.57	0.44
1:A:184:ARG:NH1	1:A:295:THR:OG1	2.40	0.44
1:A:239:VAL:O	1:A:241:GLN:HG3	2.18	0.44
1:B:46:VAL:HG21	1:J:218:LEU:HD21	1.99	0.44
1:B:105:VAL:O	1:B:105:VAL:HG12	2.18	0.44
1:C:114:LEU:HD21	1:C:233:ASP:HB3	2.00	0.44
1:C:126:TYR:OH	1:C:271:HIS:CD2	2.71	0.44
1:C:169:LYS:CD	1:C:343:ASN:HD22	2.25	0.44
1:C:350:CYS:SG	1:C:353:VAL:HG23	2.57	0.44
1:E:95:ASN:HB3	1:E:181:SER:O	2.17	0.44
1:E:239:VAL:O	1:E:241:GLN:HG3	2.18	0.44
1:H:270:GLY:HA2	1:H:346:PHE:CE1	2.47	0.44
1:J:94:TYR:HA	1:J:184:ARG:HD3	1.98	0.44
1:J:114:LEU:HD21	1:J:233:ASP:HB3	2.00	0.44
1:J:323:ASP:O	1:J:327:ILE:N	2.40	0.44
1:K:323:ASP:O	1:K:327:ILE:N	2.40	0.44
1:M:159:HIS:NE2	1:M:271:HIS:HD2	2.15	0.44
1:O:167:LEU:HD23	1:O:170:VAL:HG22	1.99	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:T:95:ASN:HB3	1:T:181:SER:O	2.17	0.44
1:W:126:TYR:OH	1:W:271:HIS:CD2	2.70	0.44
1:X:159:HIS:NE2	1:X:271:HIS:HD2	2.15	0.44
1:X:323:ASP:O	1:X:327:ILE:N	2.40	0.44
1:Z:126:TYR:OH	1:Z:271:HIS:CD2	2.71	0.44
1:8:309:GLN:HE22	1:8:320:PRO:HG3	1.81	0.44
1:6:137:GLU:HG3	1:6:285:PHE:CE1	2.52	0.44
1:5:159:HIS:NE2	1:5:271:HIS:HD2	2.15	0.44
1:4:118:ALA:HB2	1:4:327:ILE:CD1	2.48	0.44
1:3:278:ILE:HG12	1:t:290:GLN:OE1	2.17	0.44
1:b:159:HIS:NE2	1:b:271:HIS:HD2	2.15	0.44
1:b:239:VAL:O	1:b:241:GLN:HG3	2.18	0.44
1:d:46:VAL:HG21	1:e:218:LEU:HD21	1.99	0.44
1:d:95:ASN:HB3	1:d:181:SER:O	2.17	0.44
1:e:105:VAL:O	1:e:105:VAL:HG12	2.18	0.44
1:e:126:TYR:OH	1:e:271:HIS:CD2	2.70	0.44
1:f:126:TYR:OH	1:f:271:HIS:CD2	2.71	0.44
1:g:323:ASP:O	1:g:327:ILE:N	2.40	0.44
1:h:278:ILE:HG12	1:l:290:GLN:OE1	2.17	0.44
1:i:94:TYR:HA	1:i:184:ARG:HD3	1.98	0.44
1:i:159:HIS:NE2	1:i:271:HIS:HD2	2.15	0.44
1:k:95:ASN:HB3	1:k:181:SER:O	2.17	0.44
1:k:105:VAL:O	1:k:105:VAL:HG12	2.18	0.44
1:l:114:LEU:HD21	1:l:233:ASP:HB3	2.00	0.44
1:n:239:VAL:O	1:n:241:GLN:HG3	2.18	0.44
1:o:278:ILE:HG12	1:y:290:GLN:OE1	2.17	0.44
1:q:126:TYR:OH	1:q:271:HIS:CD2	2.71	0.44
1:s:239:VAL:O	1:s:241:GLN:HG3	2.18	0.44
1:s:309:GLN:HE22	1:s:320:PRO:HG3	1.81	0.44
1:t:325:LEU:HD12	1:t:365:LEU:HD11	2.00	0.44
1:v:117:LYS:HE3	1:v:117:LYS:HB2	1.73	0.44
1:v:239:VAL:O	1:v:241:GLN:HG3	2.18	0.44
1:x:95:ASN:HB3	1:x:181:SER:O	2.17	0.44
1:1:76:THR:HB	1:1:77:PRO:HD2	1.98	0.44
1:2:167:LEU:HD23	1:2:170:VAL:HG22	1.99	0.44
1:2:309:GLN:HE22	1:2:320:PRO:HG3	1.81	0.44
1:B:88:MET:HE3	1:B:330:TYR:HE1	1.83	0.44
1:B:95:ASN:HB3	1:B:181:SER:O	2.17	0.44
1:C:239:VAL:O	1:C:241:GLN:HG3	2.18	0.44
1:G:143:GLY:O	1:G:144:THR:OG1	2.25	0.44
1:H:46:VAL:HG21	1:W:218:LEU:HD21	1.99	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:95:ASN:HB3	1:H:181:SER:O	2.17	0.44
1:M:117:LYS:HB2	1:M:117:LYS:HE3	1.73	0.44
1:M:278:ILE:HG12	1:6:290:GLN:OE1	2.18	0.44
1:N:76:THR:HB	1:N:77:PRO:HD2	1.98	0.44
1:N:94:TYR:HA	1:N:184:ARG:HD3	1.98	0.44
1:P:126:TYR:OH	1:P:271:HIS:CD2	2.71	0.44
1:P:290:GLN:OE1	1:Q:278:ILE:HG12	2.18	0.44
1:R:105:VAL:O	1:R:105:VAL:HG12	2.18	0.44
1:R:114:LEU:HD21	1:R:233:ASP:HB3	2.00	0.44
1:R:126:TYR:OH	1:R:271:HIS:CD2	2.71	0.44
1:U:325:LEU:HD12	1:U:365:LEU:HD11	2.00	0.44
1:W:95:ASN:HB3	1:W:181:SER:O	2.17	0.44
1:W:105:VAL:O	1:W:105:VAL:HG12	2.18	0.44
1:Y:126:TYR:OH	1:Y:271:HIS:CD2	2.71	0.44
1:5:126:TYR:OH	1:5:271:HIS:CD2	2.71	0.44
1:3:46:VAL:HG21	1:b:218:LEU:HD21	1.98	0.44
1:3:118:ALA:HB2	1:3:327:ILE:CD1	2.48	0.44
1:g:114:LEU:HD21	1:g:233:ASP:HB3	2.00	0.44
1:j:114:LEU:HD21	1:j:233:ASP:HB3	2.00	0.44
1:j:239:VAL:O	1:j:241:GLN:HG3	2.18	0.44
1:j:325:LEU:HD12	1:j:365:LEU:HD11	2.00	0.44
1:j:350:CYS:SG	1:j:353:VAL:HG23	2.57	0.44
1:k:159:HIS:NE2	1:k:271:HIS:HD2	2.15	0.44
1:k:167:LEU:HD23	1:k:170:VAL:HG22	1.99	0.44
1:m:325:LEU:HD12	1:m:365:LEU:HD11	2.00	0.44
1:n:95:ASN:HB3	1:n:181:SER:O	2.17	0.44
1:q:218:LEU:HD21	1:s:46:VAL:HG21	1.98	0.44
1:u:76:THR:HB	1:u:77:PRO:HD2	1.98	0.44
1:u:105:VAL:O	1:u:105:VAL:HG12	2.18	0.44
1:v:309:GLN:HE22	1:v:320:PRO:HG3	1.81	0.44
1:w:126:TYR:OH	1:w:271:HIS:CD2	2.71	0.44
1:y:126:TYR:OH	1:y:271:HIS:CD2	2.70	0.44
1:1:325:LEU:HD12	1:1:365:LEU:HD11	2.00	0.44
1:A:46:VAL:HG21	1:G:218:LEU:HD21	1.98	0.44
1:B:114:LEU:HD21	1:B:233:ASP:HB3	2.00	0.44
1:B:118:ALA:HB2	1:B:327:ILE:CD1	2.48	0.44
1:B:159:HIS:NE2	1:B:271:HIS:HD2	2.15	0.44
1:D:239:VAL:O	1:D:241:GLN:HG3	2.18	0.44
1:E:114:LEU:HD21	1:E:233:ASP:HB3	2.00	0.44
1:F:114:LEU:HD21	1:F:233:ASP:HB3	2.00	0.44
1:G:126:TYR:OH	1:G:271:HIS:CD2	2.71	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:290:GLN:OE1	1:W:278:ILE:HG12	2.18	0.44
1:H:94:TYR:HA	1:H:184:ARG:HD3	1.98	0.44
1:I:95:ASN:HB3	1:I:181:SER:O	2.17	0.44
1:I:118:ALA:HB2	1:I:327:ILE:CD1	2.48	0.44
1:I:126:TYR:OH	1:I:271:HIS:CD2	2.71	0.44
1:K:114:LEU:HD21	1:K:233:ASP:HB3	2.00	0.44
1:K:325:LEU:HD12	1:K:365:LEU:HD11	2.00	0.44
1:M:94:TYR:HA	1:M:184:ARG:HD3	1.98	0.44
1:M:309:GLN:HE22	1:M:320:PRO:HG3	1.81	0.44
1:N:159:HIS:NE2	1:N:271:HIS:HD2	2.15	0.44
1:N:309:GLN:HE22	1:N:320:PRO:HG3	1.81	0.44
1:N:325:LEU:HD12	1:N:365:LEU:HD11	2.00	0.44
1:O:105:VAL:O	1:O:105:VAL:HG12	2.18	0.44
1:P:118:ALA:HB2	1:P:327:ILE:CD1	2.48	0.44
1:R:76:THR:HB	1:R:77:PRO:HD2	1.98	0.44
1:T:126:TYR:OH	1:T:271:HIS:CD2	2.70	0.44
1:T:143:GLY:O	1:T:144:THR:OG1	2.25	0.44
1:U:105:VAL:O	1:U:105:VAL:HG12	2.18	0.44
1:W:159:HIS:NE2	1:W:271:HIS:HD2	2.15	0.44
1:X:167:LEU:HD23	1:X:170:VAL:HG22	1.99	0.44
1:8:114:LEU:HD21	1:8:233:ASP:HB3	2.00	0.44
1:7:130:ASN:OD1	1:i:210:TYR:HD2	2.00	0.44
1:5:95:ASN:HB3	1:5:181:SER:O	2.17	0.44
1:5:167:LEU:HD23	1:5:170:VAL:HG22	1.99	0.44
1:4:290:GLN:OE1	1:b:278:ILE:HG12	2.18	0.44
1:3:114:LEU:HD21	1:3:233:ASP:HB3	2.00	0.44
1:b:182:SER:OG	1:b:187:ASP:OD2	2.23	0.44
1:c:126:TYR:OH	1:c:271:HIS:CD2	2.71	0.44
1:e:95:ASN:HB3	1:e:181:SER:O	2.17	0.44
1:e:117:LYS:HE3	1:e:117:LYS:HB2	1.73	0.44
1:e:159:HIS:NE2	1:e:271:HIS:HD2	2.15	0.44
1:g:117:LYS:HE3	1:g:117:LYS:HB2	1.73	0.44
1:g:290:GLN:OE1	1:m:278:ILE:HG12	2.18	0.44
1:h:114:LEU:HD21	1:h:233:ASP:HB3	2.00	0.44
1:h:239:VAL:O	1:h:241:GLN:HG3	2.18	0.44
1:i:309:GLN:HE22	1:i:320:PRO:HG3	1.81	0.44
1:k:88:MET:HE3	1:k:330:TYR:HE1	1.83	0.44
1:k:114:LEU:HD21	1:k:233:ASP:HB3	2.00	0.44
1:n:114:LEU:HD21	1:n:233:ASP:HB3	2.00	0.44
1:p:117:LYS:HE3	1:p:117:LYS:HB2	1.73	0.44
1:p:184:ARG:HH12	1:p:295:THR:HG1	1.64	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:p:350:CYS:SG	1:p:353:VAL:HG23	2.57	0.44
1:r:118:ALA:HB2	1:r:327:ILE:CD1	2.48	0.44
1:r:126:TYR:OH	1:r:271:HIS:CD2	2.71	0.44
1:t:105:VAL:O	1:t:105:VAL:HG12	2.18	0.44
1:u:114:LEU:HD21	1:u:233:ASP:HB3	2.00	0.44
1:u:126:TYR:OH	1:u:271:HIS:CD2	2.71	0.44
1:x:126:TYR:OH	1:x:271:HIS:CD2	2.71	0.44
1:y:118:ALA:HB2	1:y:327:ILE:CD1	2.48	0.44
1:z:105:VAL:O	1:z:105:VAL:HG12	2.18	0.44
1:z:137:GLU:HG3	1:z:285:PHE:CE1	2.52	0.44
1:z:239:VAL:O	1:z:241:GLN:HG3	2.18	0.44
1:1:94:TYR:HA	1:1:184:ARG:HD3	1.98	0.44
1:A:114:LEU:HD21	1:A:233:ASP:HB3	2.00	0.44
1:A:118:ALA:HB2	1:A:327:ILE:CD1	2.48	0.44
1:B:184:ARG:NH1	1:B:295:THR:OG1	2.40	0.44
1:C:105:VAL:O	1:C:105:VAL:HG12	2.18	0.44
1:D:46:VAL:HG21	1:N:218:LEU:HD21	2.00	0.44
1:F:350:CYS:SG	1:F:353:VAL:HG23	2.57	0.44
1:G:114:LEU:HD21	1:G:233:ASP:HB3	2.00	0.44
1:G:167:LEU:HD23	1:G:170:VAL:HG22	1.99	0.44
1:H:167:LEU:HD23	1:H:170:VAL:HG22	1.99	0.44
1:I:290:GLN:OE1	1:J:278:ILE:HG12	2.17	0.44
1:J:46:VAL:HG21	1:L:218:LEU:HD21	1.98	0.44
1:J:325:LEU:HD12	1:J:365:LEU:HD11	2.00	0.44
1:L:126:TYR:OH	1:L:271:HIS:CD2	2.71	0.44
1:N:239:VAL:O	1:N:241:GLN:HG3	2.18	0.44
1:O:290:GLN:OE1	1:P:278:ILE:HG12	2.18	0.44
1:P:350:CYS:SG	1:P:353:VAL:HG23	2.57	0.44
1:Q:117:LYS:HE3	1:Q:117:LYS:HB2	1.73	0.44
1:R:88:MET:HE3	1:R:330:TYR:HE1	1.83	0.44
1:R:218:LEU:HD21	1:U:46:VAL:HG21	1.99	0.44
1:S:95:ASN:HB3	1:S:181:SER:O	2.17	0.44
1:S:114:LEU:HD21	1:S:233:ASP:HB3	2.00	0.44
1:S:309:GLN:HE22	1:S:320:PRO:HG3	1.81	0.44
1:T:290:GLN:OE1	1:U:278:ILE:HG12	2.17	0.44
1:U:184:ARG:NH1	1:U:295:THR:OG1	2.40	0.44
1:U:239:VAL:O	1:U:241:GLN:HG3	2.18	0.44
1:U:290:GLN:OE1	1:4:278:ILE:HG12	2.18	0.44
1:V:105:VAL:O	1:V:105:VAL:HG12	2.18	0.44
1:X:218:LEU:HD21	1:4:46:VAL:HG21	1.99	0.44
1:X:278:ILE:HG12	1:3:290:GLN:OE1	2.18	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Y:95:ASN:HB3	1:Y:181:SER:O	2.17	0.44
1:Y:118:ALA:HB2	1:Y:327:ILE:CD1	2.48	0.44
1:Z:88:MET:HE3	1:Z:330:TYR:HE1	1.83	0.44
1:8:239:VAL:O	1:8:241:GLN:HG3	2.18	0.44
1:7:118:ALA:HB2	1:7:327:ILE:CD1	2.48	0.44
1:7:126:TYR:OH	1:7:271:HIS:CD2	2.71	0.44
1:5:88:MET:HE3	1:5:330:TYR:HE1	1.83	0.44
1:5:114:LEU:HD21	1:5:233:ASP:HB3	2.00	0.44
1:4:325:LEU:HD12	1:4:365:LEU:HD11	2.00	0.44
1:3:325:LEU:HD12	1:3:365:LEU:HD11	2.00	0.44
1:a:350:CYS:SG	1:a:353:VAL:HG23	2.57	0.44
1:b:167:LEU:HD23	1:b:170:VAL:HG22	1.99	0.44
1:c:95:ASN:HB3	1:c:181:SER:O	2.17	0.44
1:d:94:TYR:HA	1:d:184:ARG:HD3	1.98	0.44
1:d:167:LEU:HD23	1:d:170:VAL:HG22	1.99	0.44
1:f:88:MET:HE3	1:f:330:TYR:HE1	1.83	0.44
1:g:325:LEU:HD12	1:g:365:LEU:HD11	1.99	0.44
1:i:105:VAL:O	1:i:105:VAL:HG12	2.18	0.44
1:i:118:ALA:HB2	1:i:327:ILE:CD1	2.48	0.44
1:j:105:VAL:O	1:j:105:VAL:HG12	2.18	0.44
1:k:118:ALA:HB2	1:k:327:ILE:CD1	2.48	0.44
1:l:46:VAL:HG21	1:m:218:LEU:HD21	1.98	0.44
1:l:278:ILE:HG12	1:r:290:GLN:OE1	2.17	0.44
1:l:325:LEU:HD12	1:l:365:LEU:HD11	2.00	0.44
1:n:278:ILE:HG12	1:s:290:GLN:OE1	2.17	0.44
1:p:114:LEU:HD21	1:p:233:ASP:HB3	2.00	0.44
1:r:95:ASN:HB3	1:r:181:SER:O	2.17	0.44
1:s:95:ASN:HB3	1:s:181:SER:O	2.17	0.44
1:s:114:LEU:HD21	1:s:233:ASP:HB3	2.00	0.44
1:s:118:ALA:HB2	1:s:327:ILE:CD1	2.48	0.44
1:u:88:MET:HE3	1:u:330:TYR:HE1	1.83	0.44
1:w:114:LEU:HD21	1:w:233:ASP:HB3	2.00	0.44
1:w:167:LEU:HD23	1:w:170:VAL:HG22	1.99	0.44
1:y:278:ILE:HG12	1:2:290:GLN:OE1	2.18	0.44
1:y:350:CYS:SG	1:y:353:VAL:HG23	2.57	0.44
1:z:46:VAL:HG21	1:1:218:LEU:HD21	2.00	0.44
1:1:159:HIS:NE2	1:1:271:HIS:HD2	2.15	0.44
1:2:105:VAL:O	1:2:105:VAL:HG12	2.18	0.44
1:A:290:GLN:OE1	1:E:278:ILE:HG12	2.17	0.44
1:D:105:VAL:HG12	1:D:105:VAL:O	2.18	0.44
1:D:137:GLU:HG3	1:D:285:PHE:CE1	2.52	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:83:ILE:HG22	1:G:85:TRP:HB3	2.00	0.44
1:G:117:LYS:HB2	1:G:117:LYS:HE3	1.73	0.44
1:H:278:ILE:HG12	1:Z:290:GLN:OE1	2.18	0.44
1:J:350:CYS:SG	1:J:353:VAL:HG23	2.57	0.44
1:L:88:MET:HE3	1:L:330:TYR:HE1	1.83	0.44
1:L:239:VAL:O	1:L:241:GLN:HG3	2.18	0.44
1:M:105:VAL:O	1:M:105:VAL:HG12	2.18	0.44
1:M:118:ALA:HB2	1:M:327:ILE:CD1	2.48	0.44
1:M:243:ASN:C	1:7:258:ILE:HG22	2.43	0.44
1:N:95:ASN:HB3	1:N:181:SER:O	2.17	0.44
1:P:239:VAL:O	1:P:241:GLN:HG3	2.18	0.44
1:T:114:LEU:HD21	1:T:233:ASP:HB3	2.00	0.44
1:T:118:ALA:HB2	1:T:327:ILE:CD1	2.48	0.44
1:T:159:HIS:NE2	1:T:271:HIS:HD2	2.16	0.44
1:V:350:CYS:SG	1:V:353:VAL:HG23	2.57	0.44
1:X:182:SER:OG	1:X:187:ASP:OD2	2.23	0.44
1:Y:325:LEU:HD12	1:Y:365:LEU:HD11	2.00	0.44
1:7:105:VAL:O	1:7:105:VAL:HG12	2.18	0.44
1:6:118:ALA:HB2	1:6:327:ILE:CD1	2.48	0.44
1:6:126:TYR:OH	1:6:271:HIS:CD2	2.71	0.44
1:5:325:LEU:HD12	1:5:365:LEU:HD11	2.00	0.44
1:4:105:VAL:O	1:4:105:VAL:HG12	2.18	0.44
1:4:114:LEU:HD21	1:4:233:ASP:HB3	2.00	0.44
1:4:228:PHE:HE2	1:4:230:PHE:HE1	0.79	0.44
1:4:239:VAL:O	1:4:241:GLN:HG3	2.18	0.44
1:3:105:VAL:O	1:3:105:VAL:HG12	2.18	0.44
1:a:105:VAL:O	1:a:105:VAL:HG12	2.18	0.44
1:a:114:LEU:HD21	1:a:233:ASP:HB3	2.00	0.44
1:c:118:ALA:HB2	1:c:327:ILE:CD1	2.48	0.44
1:c:325:LEU:HD12	1:c:365:LEU:HD11	2.00	0.44
1:e:278:ILE:HG12	1:q:290:GLN:OE1	2.18	0.44
1:g:350:CYS:SG	1:g:353:VAL:HG23	2.57	0.44
1:l:350:CYS:SG	1:l:353:VAL:HG23	2.57	0.44
1:m:88:MET:HE3	1:m:330:TYR:HE1	1.83	0.44
1:m:126:TYR:OH	1:m:271:HIS:CD2	2.71	0.44
1:n:325:LEU:HD12	1:n:365:LEU:HD11	2.00	0.44
1:p:118:ALA:HB2	1:p:327:ILE:CD1	2.48	0.44
1:q:114:LEU:HD21	1:q:233:ASP:HB3	2.00	0.44
1:q:167:LEU:HD23	1:q:170:VAL:HG22	1.99	0.44
1:t:46:VAL:HG21	1:u:218:LEU:HD21	1.99	0.44
1:t:239:VAL:O	1:t:241:GLN:HG3	2.18	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:t:278:ILE:HG12	1:x:290:GLN:OE1	2.18	0.44
1:v:95:ASN:HB3	1:v:181:SER:O	2.17	0.44
1:v:114:LEU:HD21	1:v:233:ASP:HB3	2.00	0.44
1:w:88:MET:HE3	1:w:330:TYR:HE1	1.83	0.44
1:w:95:ASN:HB3	1:w:181:SER:O	2.17	0.44
1:x:114:LEU:HD21	1:x:233:ASP:HB3	2.00	0.44
1:x:118:ALA:HB2	1:x:327:ILE:CD1	2.48	0.44
1:z:350:CYS:SG	1:z:353:VAL:HG23	2.57	0.44
1:1:239:VAL:O	1:1:241:GLN:HG3	2.18	0.44
1:1:309:GLN:HE22	1:1:320:PRO:HG3	1.81	0.44
1:A:95:ASN:HB3	1:A:181:SER:O	2.17	0.44
1:D:114:LEU:HD21	1:D:233:ASP:HB3	2.00	0.44
1:D:159:HIS:NE2	1:D:271:HIS:HD2	2.15	0.44
1:D:179:PRO:O	1:D:188:TYR:OH	2.25	0.44
1:D:325:LEU:HD12	1:D:365:LEU:HD11	2.00	0.44
1:D:350:CYS:SG	1:D:353:VAL:HG23	2.57	0.44
1:E:118:ALA:HB2	1:E:327:ILE:CD1	2.48	0.44
1:E:325:LEU:HD12	1:E:365:LEU:HD11	2.00	0.44
1:E:350:CYS:SG	1:E:353:VAL:HG23	2.57	0.44
1:F:118:ALA:HB2	1:F:327:ILE:CD1	2.48	0.44
1:F:126:TYR:OH	1:F:271:HIS:CD2	2.71	0.44
1:F:137:GLU:HG3	1:F:285:PHE:CE1	2.52	0.44
1:F:278:ILE:HG12	1:R:290:GLN:OE1	2.17	0.44
1:G:88:MET:HE3	1:G:330:TYR:HE1	1.83	0.44
1:G:350:CYS:SG	1:G:353:VAL:HG23	2.57	0.44
1:H:88:MET:HE3	1:H:330:TYR:HE1	1.83	0.44
1:H:350:CYS:SG	1:H:353:VAL:HG23	2.57	0.44
1:K:317:ASN:HD21	1:8:194:SER:HA	1.83	0.44
1:K:350:CYS:SG	1:K:353:VAL:HG23	2.57	0.44
1:L:83:ILE:HG22	1:L:85:TRP:HB3	2.00	0.44
1:L:118:ALA:HB2	1:L:327:ILE:CD1	2.48	0.44
1:L:278:ILE:HB	1:L:285:PHE:CB	2.48	0.44
1:N:83:ILE:HG22	1:N:85:TRP:HB3	2.00	0.44
1:N:118:ALA:HB2	1:N:327:ILE:CD1	2.48	0.44
1:O:46:VAL:CG1	1:g:209:ARG:CB	2.85	0.44
1:O:114:LEU:HD21	1:O:233:ASP:HB3	2.00	0.44
1:R:239:VAL:O	1:R:241:GLN:HG3	2.18	0.44
1:S:118:ALA:HB2	1:S:327:ILE:CD1	2.48	0.44
1:T:88:MET:HE3	1:T:330:TYR:HE1	1.83	0.44
1:V:114:LEU:HD21	1:V:233:ASP:HB3	2.00	0.44
1:V:278:ILE:HG12	1:W:290:GLN:OE1	2.18	0.44

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:W:83:ILE:HG22	1:W:85:TRP:HB3	2.00	0.44
1:W:114:LEU:HD21	1:W:233:ASP:HB3	2.00	0.44
1:Z:83:ILE:HG22	1:Z:85:TRP:HB3	2.00	0.44
1:6:105:VAL:O	1:6:105:VAL:HG12	2.18	0.44
1:d:88:MET:HE3	1:d:330:TYR:HE1	1.83	0.44
1:d:278:ILE:HG12	1:f:290:GLN:OE1	2.18	0.44
1:e:83:ILE:HG22	1:e:85:TRP:HB3	2.00	0.44
1:f:83:ILE:HG22	1:f:85:TRP:HB3	2.00	0.44
1:g:83:ILE:HG22	1:g:85:TRP:HB3	2.00	0.44
1:j:290:GLN:OE1	1:k:278:ILE:HG12	2.18	0.44
1:k:184:ARG:NH1	1:k:295:THR:OG1	2.40	0.44
1:l:126:TYR:OH	1:l:271:HIS:CD2	2.71	0.44
1:m:239:VAL:O	1:m:241:GLN:HG3	2.18	0.44
1:n:118:ALA:HB2	1:n:327:ILE:CD1	2.48	0.44
1:n:350:CYS:SG	1:n:353:VAL:HG23	2.57	0.44
1:o:114:LEU:HD21	1:o:233:ASP:HB3	2.00	0.44
1:o:126:TYR:OH	1:o:271:HIS:CD2	2.71	0.44
1:p:137:GLU:HG3	1:p:285:PHE:CE1	2.52	0.44
1:q:83:ILE:HG22	1:q:85:TRP:HB3	2.00	0.44
1:q:350:CYS:SG	1:q:353:VAL:HG23	2.57	0.44
1:u:239:VAL:O	1:u:241:GLN:HG3	2.18	0.44
1:u:278:ILE:HB	1:u:285:PHE:CB	2.48	0.44
1:w:325:LEU:HD12	1:w:365:LEU:HD11	2.00	0.44
1:x:88:MET:HE3	1:x:330:TYR:HE1	1.83	0.44
1:x:143:GLY:O	1:x:144:THR:OG1	2.25	0.44
1:x:159:HIS:NE2	1:x:271:HIS:HD2	2.16	0.44
1:y:105:VAL:O	1:y:105:VAL:HG12	2.18	0.44
1:z:114:LEU:HD21	1:z:233:ASP:HB3	2.00	0.44
1:z:325:LEU:HD12	1:z:365:LEU:HD11	2.00	0.44
1:1:83:ILE:HG22	1:1:85:TRP:HB3	2.00	0.44
1:1:118:ALA:HB2	1:1:327:ILE:CD1	2.48	0.44
1:2:114:LEU:HD21	1:2:233:ASP:HB3	2.00	0.44
1:B:278:ILE:HG12	1:C:290:GLN:OE1	2.18	0.43
1:B:350:CYS:SG	1:B:353:VAL:HG23	2.57	0.43
1:D:218:LEU:HD21	1:P:46:VAL:HG21	1.99	0.43
1:F:83:ILE:HG22	1:F:85:TRP:HB3	2.00	0.43
1:F:325:LEU:HD12	1:F:365:LEU:HD11	2.00	0.43
1:I:88:MET:HE3	1:I:330:TYR:HE1	1.83	0.43
1:J:126:TYR:OH	1:J:271:HIS:CD2	2.71	0.43
1:K:83:ILE:HG22	1:K:85:TRP:HB3	2.00	0.43
1:O:239:VAL:O	1:O:241:GLN:HG3	2.18	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:105:VAL:O	1:P:105:VAL:HG12	2.18	0.43
1:Q:114:LEU:HD21	1:Q:233:ASP:HB3	2.00	0.43
1:Q:126:TYR:OH	1:Q:271:HIS:CD2	2.71	0.43
1:R:278:ILE:HB	1:R:285:PHE:CB	2.48	0.43
1:W:239:VAL:O	1:W:241:GLN:HG3	2.18	0.43
1:Y:350:CYS:SG	1:Y:353:VAL:HG23	2.57	0.43
1:Z:118:ALA:HB2	1:Z:327:ILE:CD1	2.48	0.43
1:4:83:ILE:HG22	1:4:85:TRP:HB3	2.00	0.43
1:4:278:ILE:HB	1:4:285:PHE:CB	2.48	0.43
1:3:239:VAL:O	1:3:241:GLN:HG3	2.18	0.43
1:3:278:ILE:HB	1:3:285:PHE:CB	2.48	0.43
1:a:278:ILE:HB	1:a:285:PHE:CB	2.48	0.43
1:a:278:ILE:HG12	1:e:290:GLN:OE1	2.18	0.43
1:c:179:PRO:O	1:c:188:TYR:OH	2.25	0.43
1:d:122:THR:CG2	1:d:123:LYS:H	1.93	0.43
1:d:350:CYS:SG	1:d:353:VAL:HG23	2.57	0.43
1:e:114:LEU:HD21	1:e:233:ASP:HB3	2.00	0.43
1:e:239:VAL:O	1:e:241:GLN:HG3	2.18	0.43
1:g:317:ASN:HD21	1:h:194:SER:HA	1.83	0.43
1:k:117:LYS:HB2	1:k:117:LYS:HE3	1.73	0.43
1:k:290:GLN:OE1	1:s:278:ILE:HG12	2.17	0.43
1:k:350:CYS:SG	1:k:353:VAL:HG23	2.57	0.43
1:m:83:ILE:HG22	1:m:85:TRP:HB3	2.00	0.43
1:n:126:TYR:OH	1:n:271:HIS:CD2	2.71	0.43
1:p:83:ILE:HG22	1:p:85:TRP:HB3	2.00	0.43
1:p:278:ILE:HG12	1:u:290:GLN:OE1	2.18	0.43
1:q:105:VAL:O	1:q:105:VAL:HG12	2.18	0.43
1:r:88:MET:HE3	1:r:330:TYR:HE1	1.83	0.43
1:r:239:VAL:O	1:r:241:GLN:HG3	2.18	0.43
1:u:117:LYS:HB2	1:u:117:LYS:HE3	1.73	0.43
1:u:325:LEU:HD12	1:u:365:LEU:HD11	2.00	0.43
1:v:118:ALA:HB2	1:v:327:ILE:CD1	2.48	0.43
1:w:278:ILE:HB	1:w:285:PHE:CB	2.48	0.43
1:y:88:MET:HE3	1:y:330:TYR:HE1	1.83	0.43
1:y:239:VAL:O	1:y:241:GLN:HG3	2.18	0.43
1:z:159:HIS:NE2	1:z:271:HIS:HD2	2.15	0.43
1:1:95:ASN:HB3	1:1:181:SER:O	2.17	0.43
1:2:118:ALA:HB2	1:2:327:ILE:CD1	2.48	0.43
1:A:88:MET:HE3	1:A:330:TYR:HE1	1.83	0.43
1:C:88:MET:HE3	1:C:330:TYR:HE1	1.83	0.43
1:C:118:ALA:HB2	1:C:327:ILE:CD1	2.48	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:126:TYR:OH	1:E:271:HIS:CD2	2.71	0.43
1:G:105:VAL:O	1:G:105:VAL:HG12	2.18	0.43
1:I:239:VAL:O	1:I:241:GLN:HG3	2.18	0.43
1:K:209:ARG:CB	1:2:46:VAL:CG1	2.85	0.43
1:N:117:LYS:HB2	1:N:117:LYS:HE3	1.73	0.43
1:O:88:MET:HE3	1:O:330:TYR:HE1	1.83	0.43
1:R:83:ILE:HG22	1:R:85:TRP:HB3	2.00	0.43
1:R:325:LEU:HD12	1:R:365:LEU:HD11	2.00	0.43
1:S:133:LEU:N	1:S:213:GLN:HE21	1.97	0.43
1:T:83:ILE:HG22	1:T:85:TRP:HB3	2.00	0.43
1:T:285:PHE:HD2	1:T:287:LEU:HG	1.84	0.43
1:U:159:HIS:NE2	1:U:271:HIS:HD2	2.15	0.43
1:V:83:ILE:HG22	1:V:85:TRP:HB3	2.00	0.43
1:V:126:TYR:OH	1:V:271:HIS:CD2	2.71	0.43
1:V:239:VAL:O	1:V:241:GLN:HG3	2.18	0.43
1:8:285:PHE:HD2	1:8:287:LEU:HG	1.84	0.43
1:5:83:ILE:HG22	1:5:85:TRP:HB3	2.00	0.43
1:5:278:ILE:HB	1:5:285:PHE:CB	2.48	0.43
1:3:159:HIS:NE2	1:3:271:HIS:HD2	2.15	0.43
1:a:83:ILE:HG22	1:a:85:TRP:HB3	2.00	0.43
1:a:239:VAL:O	1:a:241:GLN:HG3	2.18	0.43
1:b:290:GLN:OE1	1:c:278:ILE:HG12	2.18	0.43
1:c:350:CYS:SG	1:c:353:VAL:HG23	2.57	0.43
1:d:114:LEU:HD21	1:d:233:ASP:HB3	2.00	0.43
1:f:118:ALA:HB2	1:f:327:ILE:CD1	2.48	0.43
1:g:105:VAL:HG12	1:g:105:VAL:O	2.18	0.43
1:j:88:MET:HE3	1:j:330:TYR:HE1	1.83	0.43
1:j:118:ALA:HB2	1:j:327:ILE:CD1	2.48	0.43
1:m:118:ALA:HB2	1:m:327:ILE:CD1	2.48	0.43
1:m:184:ARG:NH1	1:m:295:THR:OG1	2.40	0.43
1:m:278:ILE:HB	1:m:285:PHE:CB	2.48	0.43
1:o:350:CYS:SG	1:o:353:VAL:HG23	2.57	0.43
1:p:126:TYR:OH	1:p:271:HIS:CD2	2.71	0.43
1:q:88:MET:HE3	1:q:330:TYR:HE1	1.83	0.43
1:q:117:LYS:HB2	1:q:117:LYS:HE3	1.73	0.43
1:r:114:LEU:HD21	1:r:233:ASP:HB3	2.00	0.43
1:s:88:MET:HE3	1:s:330:TYR:HE1	1.83	0.43
1:u:95:ASN:HB3	1:u:181:SER:O	2.17	0.43
1:u:118:ALA:HB2	1:u:327:ILE:CD1	2.48	0.43
1:w:83:ILE:HG22	1:w:85:TRP:HB3	2.00	0.43
1:x:83:ILE:HG22	1:x:85:TRP:HB3	2.00	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:x:285:PHE:HD2	1:x:287:LEU:HG	1.84	0.43
1:y:46:VAL:HG21	1:z:218:LEU:HD21	1.99	0.43
1:z:278:ILE:HB	1:z:285:PHE:CB	2.48	0.43
1:1:278:ILE:HB	1:1:285:PHE:CB	2.48	0.43
1:2:88:MET:HE3	1:2:330:TYR:HE1	1.83	0.43
1:2:239:VAL:O	1:2:241:GLN:HG3	2.18	0.43
1:A:278:ILE:HG12	1:B:290:GLN:OE1	2.18	0.43
1:C:317:ASN:HD21	1:7:194:SER:HA	1.83	0.43
1:D:278:ILE:HB	1:D:285:PHE:CB	2.48	0.43
1:E:278:ILE:HB	1:E:285:PHE:CB	2.48	0.43
1:H:218:LEU:HD21	1:Y:46:VAL:HG21	1.99	0.43
1:I:114:LEU:HD21	1:I:233:ASP:HB3	2.00	0.43
1:K:105:VAL:O	1:K:105:VAL:HG12	2.18	0.43
1:K:118:ALA:HB2	1:K:327:ILE:CD1	2.48	0.43
1:L:105:VAL:HG12	1:L:105:VAL:O	2.18	0.43
1:N:278:ILE:HB	1:N:285:PHE:CB	2.48	0.43
1:N:285:PHE:HD2	1:N:287:LEU:HG	1.84	0.43
1:O:118:ALA:HB2	1:O:327:ILE:CD1	2.48	0.43
1:O:126:TYR:OH	1:O:271:HIS:CD2	2.71	0.43
1:P:117:LYS:HE3	1:P:117:LYS:HB2	1.73	0.43
1:Q:83:ILE:HG22	1:Q:85:TRP:HB3	2.00	0.43
1:Q:159:HIS:NE2	1:Q:271:HIS:HD2	2.15	0.43
1:Q:350:CYS:SG	1:Q:353:VAL:HG23	2.57	0.43
1:R:95:ASN:HB3	1:R:181:SER:O	2.17	0.43
1:R:118:ALA:HB2	1:R:327:ILE:CD1	2.48	0.43
1:T:278:ILE:HB	1:T:285:PHE:CB	2.48	0.43
1:U:88:MET:HE3	1:U:330:TYR:HE1	1.83	0.43
1:V:95:ASN:HB3	1:V:181:SER:O	2.17	0.43
1:V:117:LYS:HB2	1:V:117:LYS:HE3	1.73	0.43
1:V:167:LEU:HD23	1:V:170:VAL:HG22	1.99	0.43
1:V:278:ILE:HB	1:V:285:PHE:CB	2.48	0.43
1:W:285:PHE:HD2	1:W:287:LEU:HG	1.84	0.43
1:W:325:LEU:HD12	1:W:365:LEU:HD11	2.00	0.43
1:X:290:GLN:OE1	1:Y:278:ILE:HG12	2.18	0.43
1:Y:83:ILE:HG22	1:Y:85:TRP:HB3	2.00	0.43
1:Y:179:PRO:O	1:Y:188:TYR:OH	2.25	0.43
1:8:278:ILE:HB	1:8:285:PHE:CB	2.48	0.43
1:7:285:PHE:HD2	1:7:287:LEU:HG	1.84	0.43
1:7:290:GLN:OE1	1:i:278:ILE:HG12	2.19	0.43
1:6:46:VAL:HG21	1:i:218:LEU:HD21	1.99	0.43
1:6:278:ILE:HG12	1:m:290:GLN:OE1	2.17	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3:83:ILE:HG22	1:3:85:TRP:HB3	2.00	0.43
1:a:126:TYR:OH	1:a:271:HIS:CD2	2.71	0.43
1:b:325:LEU:HD12	1:b:365:LEU:HD11	2.00	0.43
1:c:88:MET:HE3	1:c:330:TYR:HE1	1.83	0.43
1:c:105:VAL:O	1:c:105:VAL:HG12	2.18	0.43
1:e:285:PHE:HD2	1:e:287:LEU:HG	1.84	0.43
1:e:325:LEU:HD12	1:e:365:LEU:HD11	2.00	0.43
1:f:278:ILE:HB	1:f:285:PHE:CB	2.48	0.43
1:k:126:TYR:OH	1:k:271:HIS:CD2	2.71	0.43
1:n:278:ILE:HB	1:n:285:PHE:CB	2.48	0.43
1:o:117:LYS:HE3	1:o:117:LYS:HB2	1.73	0.43
1:p:325:LEU:HD12	1:p:365:LEU:HD11	2.00	0.43
1:r:323:ASP:O	1:r:327:ILE:N	2.40	0.43
1:t:159:HIS:NE2	1:t:271:HIS:HD2	2.15	0.43
1:u:83:ILE:HG22	1:u:85:TRP:HB3	2.00	0.43
1:v:184:ARG:NH1	1:v:295:THR:OG1	2.40	0.43
1:y:323:ASP:O	1:y:327:ILE:N	2.40	0.43
1:1:285:PHE:HD2	1:1:287:LEU:HG	1.84	0.43
1:B:126:TYR:OH	1:B:271:HIS:CD2	2.71	0.43
1:C:159:HIS:NE2	1:C:271:HIS:HD2	2.15	0.43
1:G:95:ASN:HB3	1:G:181:SER:O	2.17	0.43
1:H:114:LEU:HD21	1:H:233:ASP:HB3	2.00	0.43
1:I:169:LYS:CD	1:I:343:ASN:HD22	2.25	0.43
1:J:118:ALA:HB2	1:J:327:ILE:CD1	2.48	0.43
1:L:114:LEU:HD21	1:L:233:ASP:HB3	2.00	0.43
1:P:88:MET:HE3	1:P:330:TYR:HE1	1.83	0.43
1:S:83:ILE:HG22	1:S:85:TRP:HB3	2.00	0.43
1:S:184:ARG:NH1	1:S:295:THR:OG1	2.40	0.43
1:U:118:ALA:HB2	1:U:327:ILE:CD1	2.48	0.43
1:V:325:LEU:HD12	1:V:365:LEU:HD11	2.00	0.43
1:V:364:MET:HE2	1:X:366:PHE:HE1	1.84	0.43
1:W:117:LYS:HE3	1:W:117:LYS:HB2	1.73	0.43
1:X:126:TYR:OH	1:X:271:HIS:CD2	2.71	0.43
1:Y:88:MET:HE3	1:Y:330:TYR:HE1	1.83	0.43
1:Y:105:VAL:O	1:Y:105:VAL:HG12	2.18	0.43
1:7:278:ILE:HB	1:7:285:PHE:CB	2.48	0.43
1:6:278:ILE:HB	1:6:285:PHE:CB	2.48	0.43
1:6:285:PHE:HD2	1:6:287:LEU:HG	1.84	0.43
1:4:159:HIS:NE2	1:4:271:HIS:HD2	2.15	0.43
1:a:167:LEU:HD23	1:a:170:VAL:HG22	1.99	0.43
1:a:325:LEU:HD12	1:a:365:LEU:HD11	2.00	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:c:46:VAL:HG21	1:d:218:LEU:HD21	1.99	0.43
1:c:83:ILE:HG22	1:c:85:TRP:HB3	2.00	0.43
1:d:118:ALA:HB2	1:d:327:ILE:CD1	2.48	0.43
1:e:278:ILE:HB	1:e:285:PHE:CB	2.48	0.43
1:g:118:ALA:HB2	1:g:327:ILE:CD1	2.48	0.43
1:h:285:PHE:HD2	1:h:287:LEU:HG	1.84	0.43
1:l:285:PHE:HD2	1:l:287:LEU:HG	1.84	0.43
1:m:105:VAL:O	1:m:105:VAL:HG12	2.18	0.43
1:n:83:ILE:HG22	1:n:85:TRP:HB3	2.00	0.43
1:o:83:ILE:HG22	1:o:85:TRP:HB3	2.00	0.43
1:o:118:ALA:HB2	1:o:327:ILE:CD1	2.48	0.43
1:q:118:ALA:HB2	1:q:327:ILE:CD1	2.48	0.43
1:q:239:VAL:O	1:q:241:GLN:HG3	2.18	0.43
1:q:278:ILE:HB	1:q:285:PHE:CB	2.48	0.43
1:t:88:MET:HE3	1:t:330:TYR:HE1	1.83	0.43
1:w:194:SER:HA	1:x:317:ASN:HD21	1.83	0.43
1:w:285:PHE:HD2	1:w:287:LEU:HG	1.84	0.43
1:x:105:VAL:O	1:x:105:VAL:HG12	2.18	0.43
1:x:278:ILE:HB	1:x:285:PHE:CB	2.48	0.43
1:B:285:PHE:HD2	1:B:287:LEU:HG	1.84	0.43
1:E:83:ILE:HG22	1:E:85:TRP:HB3	2.00	0.43
1:G:239:VAL:O	1:G:241:GLN:HG3	2.18	0.43
1:G:278:ILE:HB	1:G:285:PHE:CB	2.48	0.43
1:H:290:GLN:OE1	1:I:278:ILE:HG12	2.18	0.43
1:I:159:HIS:NE2	1:I:271:HIS:HD2	2.15	0.43
1:J:285:PHE:HD2	1:J:287:LEU:HG	1.84	0.43
1:K:159:HIS:NE2	1:K:271:HIS:HD2	2.16	0.43
1:M:88:MET:HE3	1:M:330:TYR:HE1	1.83	0.43
1:M:209:ARG:CB	1:7:46:VAL:CG1	2.82	0.43
1:Q:88:MET:HE3	1:Q:330:TYR:HE1	1.83	0.43
1:Q:118:ALA:HB2	1:Q:327:ILE:CD1	2.48	0.43
1:R:117:LYS:HB2	1:R:117:LYS:HE3	1.73	0.43
1:R:167:LEU:HD23	1:R:170:VAL:HG22	1.99	0.43
1:T:105:VAL:HG12	1:T:105:VAL:O	2.18	0.43
1:W:118:ALA:HB2	1:W:327:ILE:CD1	2.48	0.43
1:W:278:ILE:HB	1:W:285:PHE:CB	2.48	0.43
1:X:114:LEU:HD21	1:X:233:ASP:HB3	2.00	0.43
1:X:325:LEU:HD12	1:X:365:LEU:HD11	2.00	0.43
1:Y:114:LEU:HD21	1:Y:233:ASP:HB3	2.00	0.43
1:Y:239:VAL:O	1:Y:241:GLN:HG3	2.18	0.43
1:Z:278:ILE:HB	1:Z:285:PHE:CB	2.49	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7:88:MET:HE3	1:7:330:TYR:HE1	1.83	0.43
1:6:88:MET:HE3	1:6:330:TYR:HE1	1.83	0.43
1:3:228:PHE:HE2	1:3:230:PHE:HE1	0.79	0.43
1:a:95:ASN:HB3	1:a:181:SER:O	2.17	0.43
1:a:364:MET:HE2	1:b:366:PHE:HE1	1.84	0.43
1:b:126:TYR:OH	1:b:271:HIS:CD2	2.71	0.43
1:e:118:ALA:HB2	1:e:327:ILE:CD1	2.48	0.43
1:g:159:HIS:NE2	1:g:271:HIS:HD2	2.15	0.43
1:h:278:ILE:HB	1:h:285:PHE:CB	2.48	0.43
1:i:88:MET:HE3	1:i:330:TYR:HE1	1.83	0.43
1:j:159:HIS:NE2	1:j:271:HIS:HD2	2.15	0.43
1:k:285:PHE:HD2	1:k:287:LEU:HG	1.84	0.43
1:l:118:ALA:HB2	1:l:327:ILE:CD1	2.48	0.43
1:m:114:LEU:HD21	1:m:233:ASP:HB3	2.00	0.43
1:n:290:GLN:OE1	1:z:278:ILE:HG12	2.18	0.43
1:o:88:MET:HE3	1:o:330:TYR:HE1	1.83	0.43
1:o:159:HIS:NE2	1:o:271:HIS:HD2	2.15	0.43
1:o:239:VAL:O	1:o:241:GLN:HG3	2.18	0.43
1:p:239:VAL:O	1:p:241:GLN:HG3	2.18	0.43
1:q:325:LEU:HD12	1:q:365:LEU:HD11	2.00	0.43
1:r:159:HIS:NE2	1:r:271:HIS:HD2	2.15	0.43
1:t:323:ASP:O	1:t:327:ILE:N	2.40	0.43
1:u:167:LEU:HD23	1:u:170:VAL:HG22	1.99	0.43
1:v:83:ILE:HG22	1:v:85:TRP:HB3	2.00	0.43
1:y:278:ILE:HB	1:y:285:PHE:CB	2.48	0.43
1:y:325:LEU:HD12	1:y:365:LEU:HD11	2.00	0.43
1:2:126:TYR:OH	1:2:271:HIS:CD2	2.71	0.43
1:A:292:THR:HG21	1:E:210:TYR:CE2	2.54	0.43
1:F:239:VAL:O	1:F:241:GLN:HG3	2.18	0.43
1:G:118:ALA:HB2	1:G:327:ILE:CD1	2.48	0.43
1:H:105:VAL:O	1:H:105:VAL:HG12	2.18	0.43
1:H:118:ALA:HB2	1:H:327:ILE:CD1	2.48	0.43
1:K:194:SER:HA	1:2:317:ASN:HD21	1.84	0.43
1:K:285:PHE:HD2	1:K:287:LEU:HG	1.84	0.43
1:L:184:ARG:NH1	1:L:295:THR:OG1	2.40	0.43
1:O:194:SER:HA	1:h:317:ASN:HD21	1.84	0.43
1:P:278:ILE:HB	1:P:285:PHE:CB	2.48	0.43
1:P:323:ASP:O	1:P:327:ILE:N	2.40	0.43
1:S:105:VAL:O	1:S:105:VAL:HG12	2.18	0.43
1:S:278:ILE:HB	1:S:285:PHE:CB	2.48	0.43
1:T:117:LYS:HE3	1:T:117:LYS:HB2	1.73	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:T:317:ASN:HD21	1:5:194:SER:HA	1.83	0.43
1:U:95:ASN:HB3	1:U:181:SER:O	2.17	0.43
1:W:184:ARG:NH1	1:W:295:THR:OG1	2.40	0.43
1:8:118:ALA:HB2	1:8:327:ILE:CD1	2.48	0.43
1:5:46:VAL:HG21	1:f:218:LEU:HD21	2.01	0.43
1:5:118:ALA:HB2	1:5:327:ILE:CD1	2.48	0.43
1:4:88:MET:HE3	1:4:330:TYR:HE1	1.83	0.43
1:4:95:ASN:HB3	1:4:181:SER:O	2.17	0.43
1:3:88:MET:HE3	1:3:330:TYR:HE1	1.83	0.43
1:a:117:LYS:HB2	1:a:117:LYS:HE3	1.73	0.43
1:a:290:GLN:OE1	1:u:278:ILE:HG12	2.18	0.43
1:b:114:LEU:HD21	1:b:233:ASP:HB3	2.00	0.43
1:b:128:LEU:HG	1:b:291:PHE:CD1	2.54	0.43
1:c:239:VAL:O	1:c:241:GLN:HG3	2.18	0.43
1:f:114:LEU:HD21	1:f:233:ASP:HB3	2.00	0.43
1:k:133:LEU:N	1:k:213:GLN:HE21	1.97	0.43
1:p:292:THR:HG21	1:q:210:TYR:CE2	2.54	0.43
1:q:95:ASN:HB3	1:q:181:SER:O	2.17	0.43
1:r:169:LYS:CD	1:r:343:ASN:HD22	2.25	0.43
1:t:118:ALA:HB2	1:t:327:ILE:CD1	2.48	0.43
1:t:126:TYR:OH	1:t:271:HIS:CD2	2.71	0.43
1:v:278:ILE:HB	1:v:285:PHE:CB	2.48	0.43
1:1:117:LYS:HB2	1:1:117:LYS:HE3	1.73	0.43
1:A:159:HIS:NE2	1:A:271:HIS:HD2	2.15	0.43
1:A:278:ILE:HB	1:A:285:PHE:CB	2.48	0.43
1:C:117:LYS:HE3	1:C:117:LYS:HB2	1.73	0.43
1:E:285:PHE:HD2	1:E:287:LEU:HG	1.84	0.43
1:G:325:LEU:HD12	1:G:365:LEU:HD11	2.00	0.43
1:J:88:MET:HE3	1:J:330:TYR:HE1	1.83	0.43
1:O:218:LEU:HD21	1:h:46:VAL:HG21	2.01	0.43
1:P:325:LEU:HD12	1:P:365:LEU:HD11	2.00	0.43
1:Q:239:VAL:O	1:Q:241:GLN:HG3	2.18	0.43
1:Q:285:PHE:HD2	1:Q:287:LEU:HG	1.84	0.43
1:U:114:LEU:HD21	1:U:233:ASP:HB3	2.00	0.43
1:U:126:TYR:OH	1:U:271:HIS:CD2	2.71	0.43
1:V:228:PHE:HE2	1:V:230:PHE:HE1	0.79	0.43
1:X:118:ALA:HB2	1:X:327:ILE:CD1	2.48	0.43
1:X:128:LEU:HG	1:X:291:PHE:CD1	2.54	0.43
1:Y:169:LYS:CD	1:Y:343:ASN:HD22	2.25	0.43
1:Y:285:PHE:HD2	1:Y:287:LEU:HG	1.84	0.43
1:Z:114:LEU:HD21	1:Z:233:ASP:HB3	2.00	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8:46:VAL:HG21	1:2:218:LEU:HD21	2.01	0.43
1:8:184:ARG:NH1	1:8:295:THR:OG1	2.40	0.43
1:8:317:ASN:HD21	1:2:194:SER:HA	1.84	0.43
1:7:292:THR:HG21	1:i:210:TYR:CE2	2.54	0.43
1:5:285:PHE:HD2	1:5:287:LEU:HG	1.84	0.43
1:b:118:ALA:HB2	1:b:327:ILE:CD1	2.48	0.43
1:c:114:LEU:HD21	1:c:233:ASP:HB3	2.00	0.43
1:c:128:LEU:HG	1:c:291:PHE:CD1	2.54	0.43
1:d:105:VAL:O	1:d:105:VAL:HG12	2.18	0.43
1:d:239:VAL:O	1:d:241:GLN:HG3	2.18	0.43
1:d:290:GLN:OE1	1:r:278:ILE:HG12	2.18	0.43
1:h:118:ALA:HB2	1:h:327:ILE:CD1	2.48	0.43
1:j:117:LYS:HB2	1:j:117:LYS:HE3	1.73	0.43
1:k:239:VAL:O	1:k:241:GLN:HG3	2.18	0.43
1:l:88:MET:HE3	1:l:330:TYR:HE1	1.83	0.43
1:l:239:VAL:O	1:l:241:GLN:HG3	2.18	0.43
1:o:285:PHE:HD2	1:o:287:LEU:HG	1.84	0.43
1:o:325:LEU:HD12	1:o:365:LEU:HD11	2.00	0.43
1:r:278:ILE:HB	1:r:285:PHE:CB	2.48	0.43
1:t:83:ILE:HG22	1:t:85:TRP:HB3	2.00	0.43
1:v:105:VAL:O	1:v:105:VAL:HG12	2.18	0.43
1:v:133:LEU:N	1:v:213:GLN:HE21	1.97	0.43
1:w:118:ALA:HB2	1:w:327:ILE:CD1	2.48	0.43
1:w:239:VAL:O	1:w:241:GLN:HG3	2.18	0.43
1:1:105:VAL:HG12	1:1:105:VAL:O	2.18	0.43
1:2:325:LEU:HD12	1:2:365:LEU:HD11	2.00	0.43
1:A:218:LEU:HD21	1:I:46:VAL:HG21	1.99	0.43
1:B:239:VAL:O	1:B:241:GLN:HG3	2.18	0.43
1:C:366:PHE:HE1	1:7:364:MET:HE2	1.84	0.43
1:D:194:SER:HA	1:P:317:ASN:HD21	1.83	0.43
1:D:278:ILE:HG12	1:E:290:GLN:OE1	2.18	0.43
1:D:285:PHE:HD2	1:D:287:LEU:HG	1.83	0.43
1:I:278:ILE:HB	1:I:285:PHE:CB	2.48	0.43
1:I:323:ASP:O	1:I:327:ILE:N	2.40	0.43
1:J:239:VAL:O	1:J:241:GLN:HG3	2.18	0.43
1:K:278:ILE:HB	1:K:285:PHE:CB	2.48	0.43
1:L:128:LEU:HG	1:L:291:PHE:CD1	2.54	0.43
1:M:290:GLN:OE1	1:N:278:ILE:HG12	2.18	0.43
1:N:105:VAL:O	1:N:105:VAL:HG12	2.18	0.43
1:O:128:LEU:HG	1:O:291:PHE:CD1	2.54	0.43
1:O:243:ASN:C	1:h:258:ILE:HG22	2.44	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:317:ASN:HD21	1:g:194:SER:HA	1.84	0.43
1:O:325:LEU:HD12	1:O:365:LEU:HD11	2.00	0.43
1:Q:325:LEU:HD12	1:Q:365:LEU:HD11	2.00	0.43
1:T:194:SER:HA	1:f:317:ASN:HD21	1.84	0.43
1:U:128:LEU:HG	1:U:291:PHE:CD1	2.54	0.43
1:V:118:ALA:HB2	1:V:327:ILE:CD1	2.48	0.43
1:Y:128:LEU:HG	1:Y:291:PHE:CD1	2.54	0.43
1:Z:218:LEU:HD21	1:w:46:VAL:HG21	2.01	0.43
1:Z:317:ASN:HD21	1:x:194:SER:HA	1.84	0.43
1:8:258:ILE:HG22	1:2:243:ASN:C	2.44	0.43
1:5:239:VAL:O	1:5:241:GLN:HG3	2.18	0.43
1:3:95:ASN:HB3	1:3:181:SER:O	2.17	0.43
1:c:117:LYS:HE3	1:c:117:LYS:HB2	1.73	0.43
1:f:239:VAL:O	1:f:241:GLN:HG3	2.18	0.43
1:f:325:LEU:HD12	1:f:365:LEU:HD11	2.00	0.43
1:g:278:ILE:HB	1:g:285:PHE:CB	2.48	0.43
1:i:239:VAL:O	1:i:241:GLN:HG3	2.18	0.43
1:i:366:PHE:HE1	1:j:364:MET:HE2	1.84	0.43
1:j:278:ILE:HG12	1:z:290:GLN:OE1	2.18	0.43
1:m:128:LEU:HG	1:m:291:PHE:CD1	2.54	0.43
1:t:95:ASN:HB3	1:t:181:SER:O	2.17	0.43
1:y:114:LEU:HD21	1:y:233:ASP:HB3	2.00	0.43
1:z:285:PHE:HD2	1:z:287:LEU:HG	1.83	0.43
1:2:128:LEU:HG	1:2:291:PHE:CD1	2.54	0.43
1:C:364:MET:HE2	1:M:366:PHE:HE1	1.84	0.43
1:F:128:LEU:HG	1:F:291:PHE:CD1	2.54	0.43
1:H:239:VAL:O	1:H:241:GLN:HG3	2.18	0.43
1:J:105:VAL:O	1:J:105:VAL:HG12	2.18	0.43
1:J:317:ASN:HD21	1:L:194:SER:HA	1.84	0.43
1:L:285:PHE:HD2	1:L:287:LEU:HG	1.84	0.43
1:M:239:VAL:O	1:M:241:GLN:HG3	2.18	0.43
1:M:278:ILE:HB	1:M:285:PHE:CB	2.48	0.43
1:U:83:ILE:HG22	1:U:85:TRP:HB3	2.00	0.43
1:U:323:ASP:O	1:U:327:ILE:N	2.40	0.43
1:X:285:PHE:HD2	1:X:287:LEU:HG	1.84	0.43
1:Z:325:LEU:HD12	1:Z:365:LEU:HD11	2.00	0.43
1:c:285:PHE:HD2	1:c:287:LEU:HG	1.84	0.43
1:g:285:PHE:HD2	1:g:287:LEU:HG	1.84	0.43
1:i:278:ILE:HB	1:i:285:PHE:CB	2.48	0.43
1:k:278:ILE:HB	1:k:285:PHE:CB	2.48	0.43
1:l:180:VAL:HG12	1:l:339:SER:HG	1.83	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:m:285:PHE:HD2	1:m:287:LEU:HG	1.84	0.43
1:n:105:VAL:O	1:n:105:VAL:HG12	2.18	0.43
1:o:180:VAL:HG12	1:o:339:SER:HG	1.83	0.43
1:p:128:LEU:HG	1:p:291:PHE:CD1	2.54	0.43
1:p:149:THR:HG21	1:q:155:PRO:HG3	2.01	0.43
1:r:46:VAL:HG21	1:s:218:LEU:HD21	2.00	0.43
1:s:159:HIS:NE2	1:s:271:HIS:HD2	2.15	0.43
1:s:278:ILE:HB	1:s:285:PHE:CB	2.48	0.43
1:t:114:LEU:HD21	1:t:233:ASP:HB3	2.00	0.43
1:y:317:ASN:HD21	1:z:194:SER:HA	1.83	0.43
1:z:88:MET:HE3	1:z:330:TYR:HE1	1.83	0.43
1:2:323:ASP:O	1:2:327:ILE:N	2.40	0.43
1:A:83:ILE:HG22	1:A:85:TRP:HB3	2.00	0.43
1:B:278:ILE:HB	1:B:285:PHE:CB	2.48	0.43
1:C:278:ILE:HB	1:C:285:PHE:CB	2.48	0.43
1:E:88:MET:HE3	1:E:330:TYR:HE1	1.83	0.43
1:F:218:LEU:HD21	1:Q:46:VAL:HG21	2.00	0.43
1:H:83:ILE:HG22	1:H:85:TRP:HB3	2.00	0.43
1:H:179:PRO:O	1:H:188:TYR:OH	2.25	0.43
1:I:285:PHE:HD2	1:I:287:LEU:HG	1.84	0.43
1:M:114:LEU:HD21	1:M:233:ASP:HB3	2.00	0.43
1:O:285:PHE:HD2	1:O:287:LEU:HG	1.84	0.43
1:P:114:LEU:HD21	1:P:233:ASP:HB3	2.00	0.43
1:Q:169:LYS:CD	1:Q:343:ASN:HD22	2.25	0.43
1:R:278:ILE:HG12	1:V:290:GLN:OE1	2.18	0.43
1:V:128:LEU:HG	1:V:291:PHE:CD1	2.54	0.43
1:V:285:PHE:HD2	1:V:287:LEU:HG	1.84	0.43
1:X:88:MET:HE3	1:X:330:TYR:HE1	1.83	0.43
1:Y:117:LYS:HE3	1:Y:117:LYS:HB2	1.73	0.43
1:Z:239:VAL:O	1:Z:241:GLN:HG3	2.18	0.43
1:Z:366:PHE:HE1	1:x:364:MET:HE2	1.84	0.43
1:7:239:VAL:O	1:7:241:GLN:HG3	2.18	0.43
1:5:143:GLY:O	1:5:144:THR:OG1	2.25	0.43
1:3:317:ASN:HD21	1:b:194:SER:HA	1.84	0.43
1:a:118:ALA:HB2	1:a:327:ILE:CD1	2.48	0.43
1:a:128:LEU:HG	1:a:291:PHE:CD1	2.54	0.43
1:b:88:MET:HE3	1:b:330:TYR:HE1	1.83	0.43
1:c:169:LYS:CD	1:c:343:ASN:HD22	2.25	0.43
1:i:114:LEU:HD21	1:i:233:ASP:HB3	2.00	0.43
1:i:290:GLN:OE1	1:1:278:ILE:HG12	2.18	0.43
1:j:278:ILE:HB	1:j:285:PHE:CB	2.48	0.43

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:k:323:ASP:O	1:k:327:ILE:N	2.40	0.43
1:l:317:ASN:HD21	1:m:194:SER:HA	1.84	0.43
1:n:88:MET:HE3	1:n:330:TYR:HE1	1.83	0.43
1:n:285:PHE:HD2	1:n:287:LEU:HG	1.84	0.43
1:o:278:ILE:HB	1:o:285:PHE:CB	2.48	0.43
1:r:285:PHE:HD2	1:r:287:LEU:HG	1.83	0.43
1:r:325:LEU:HD12	1:r:365:LEU:HD11	2.00	0.43
1:t:128:LEU:HG	1:t:291:PHE:CD1	2.54	0.43
1:v:325:LEU:HD12	1:v:365:LEU:HD11	2.00	0.43
1:x:117:LYS:HE3	1:x:117:LYS:HB2	1.73	0.43
1:y:117:LYS:HE3	1:y:117:LYS:HB2	1.73	0.43
1:z:118:ALA:HB2	1:z:327:ILE:CD1	2.48	0.43
1:1:184:ARG:NH1	1:1:295:THR:OG1	2.40	0.43
1:A:128:LEU:HG	1:A:291:PHE:CD1	2.54	0.42
1:C:278:ILE:HG12	1:D:290:GLN:OE1	2.18	0.42
1:D:88:MET:HE3	1:D:330:TYR:HE1	1.83	0.42
1:E:105:VAL:O	1:E:105:VAL:HG12	2.18	0.42
1:F:278:ILE:HB	1:F:285:PHE:CB	2.48	0.42
1:F:292:THR:HG21	1:G:210:TYR:CE2	2.54	0.42
1:H:128:LEU:HG	1:H:291:PHE:CD1	2.54	0.42
1:I:83:ILE:HG22	1:I:85:TRP:HB3	2.00	0.42
1:J:292:THR:HG21	1:8:210:TYR:CE2	2.54	0.42
1:K:292:THR:HG21	1:L:210:TYR:CE2	2.54	0.42
1:O:323:ASP:O	1:O:327:ILE:N	2.40	0.42
1:Q:278:ILE:HB	1:Q:285:PHE:CB	2.48	0.42
1:R:366:PHE:HE1	1:S:364:MET:HE2	1.84	0.42
1:S:128:LEU:HG	1:S:291:PHE:CD1	2.54	0.42
1:S:325:LEU:HD12	1:S:365:LEU:HD11	2.00	0.42
1:T:292:THR:HG21	1:U:210:TYR:CE2	2.54	0.42
1:T:364:MET:HE2	1:f:366:PHE:HE1	1.84	0.42
1:X:194:SER:HA	1:4:317:ASN:HD21	1.84	0.42
1:8:88:MET:HE3	1:8:330:TYR:HE1	1.83	0.42
1:6:114:LEU:HD21	1:6:233:ASP:HB3	2.00	0.42
1:4:285:PHE:HD2	1:4:287:LEU:HG	1.84	0.42
1:3:285:PHE:HD2	1:3:287:LEU:HG	1.84	0.42
1:b:285:PHE:HD2	1:b:287:LEU:HG	1.84	0.42
1:d:285:PHE:HD2	1:d:287:LEU:HG	1.83	0.42
1:e:184:ARG:NH1	1:e:295:THR:OG1	2.40	0.42
1:g:292:THR:HG21	1:m:210:TYR:CE2	2.54	0.42
1:h:184:ARG:NH1	1:h:295:THR:OG1	2.40	0.42
1:i:325:LEU:HD12	1:i:365:LEU:HD11	2.00	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:k:194:SER:HA	1:m:317:ASN:HD21	1.84	0.42
1:l:105:VAL:O	1:l:105:VAL:HG12	2.18	0.42
1:n:210:TYR:CE2	1:s:292:THR:HG21	2.54	0.42
1:p:278:ILE:HB	1:p:285:PHE:CB	2.48	0.42
1:r:83:ILE:HG22	1:r:85:TRP:HB3	2.00	0.42
1:s:83:ILE:HG22	1:s:85:TRP:HB3	2.00	0.42
1:s:128:LEU:HG	1:s:291:PHE:CD1	2.54	0.42
1:t:285:PHE:HD2	1:t:287:LEU:HG	1.84	0.42
1:t:317:ASN:HD21	1:u:194:SER:HA	1.84	0.42
1:v:128:LEU:HG	1:v:291:PHE:CD1	2.54	0.42
1:x:239:VAL:O	1:x:241:GLN:HG3	2.18	0.42
1:y:210:TYR:CE2	1:2:292:THR:HG21	2.54	0.42
1:2:285:PHE:HD2	1:2:287:LEU:HG	1.84	0.42
1:A:366:PHE:HE1	1:G:364:MET:HE2	1.85	0.42
1:B:133:LEU:N	1:B:213:GLN:HE21	1.97	0.42
1:B:194:SER:HA	1:L:317:ASN:HD21	1.84	0.42
1:C:128:LEU:HG	1:C:291:PHE:CD1	2.54	0.42
1:D:83:ILE:HG22	1:D:85:TRP:HB3	2.00	0.42
1:D:118:ALA:HB2	1:D:327:ILE:CD1	2.48	0.42
1:I:128:LEU:HG	1:I:291:PHE:CD1	2.54	0.42
1:J:366:PHE:HE1	1:L:364:MET:HE2	1.84	0.42
1:K:88:MET:HE3	1:K:330:TYR:HE1	1.83	0.42
1:L:71:ASN:ND2	1:7:279:ARG:HG3	2.34	0.42
1:N:134:THR:HA	1:N:149:THR:HA	2.01	0.42
1:O:83:ILE:HG22	1:O:85:TRP:HB3	2.00	0.42
1:O:278:ILE:HB	1:O:285:PHE:CB	2.48	0.42
1:O:292:THR:HG21	1:P:210:TYR:CE2	2.54	0.42
1:R:194:SER:HA	1:U:317:ASN:HD21	1.84	0.42
1:R:317:ASN:HD21	1:S:194:SER:HA	1.84	0.42
1:S:285:PHE:HD2	1:S:287:LEU:HG	1.84	0.42
1:S:292:THR:HG21	1:5:210:TYR:CE2	2.54	0.42
1:T:239:VAL:O	1:T:241:GLN:HG3	2.18	0.42
1:T:325:LEU:HD12	1:T:365:LEU:HD11	2.00	0.42
1:7:114:LEU:HD21	1:7:233:ASP:HB3	2.00	0.42
1:6:239:VAL:O	1:6:241:GLN:HG3	2.18	0.42
1:5:128:LEU:HG	1:5:291:PHE:CD1	2.54	0.42
1:5:317:ASN:HD21	1:f:194:SER:HA	1.84	0.42
1:4:292:THR:HG21	1:b:210:TYR:CE2	2.54	0.42
1:a:134:THR:HA	1:a:149:THR:HA	2.01	0.42
1:a:228:PHE:HE2	1:a:230:PHE:HE1	0.79	0.42
1:a:285:PHE:HD2	1:a:287:LEU:HG	1.84	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:c:317:ASN:HD21	1:d:194:SER:HA	1.84	0.42
1:d:83:ILE:HG22	1:d:85:TRP:HB3	2.00	0.42
1:d:128:LEU:HG	1:d:291:PHE:CD1	2.54	0.42
1:i:292:THR:HG21	1:1:210:TYR:CE2	2.55	0.42
1:j:128:LEU:HG	1:j:291:PHE:CD1	2.54	0.42
1:l:278:ILE:HB	1:l:285:PHE:CB	2.48	0.42
1:n:117:LYS:HE3	1:n:117:LYS:HB2	1.73	0.42
1:q:194:SER:HA	1:s:317:ASN:HD21	1.84	0.42
1:t:210:TYR:CE2	1:x:292:THR:HG21	2.55	0.42
1:z:83:ILE:HG22	1:z:85:TRP:HB3	2.00	0.42
1:1:114:LEU:HD21	1:1:233:ASP:HB3	2.00	0.42
1:1:134:THR:HA	1:1:149:THR:HA	2.01	0.42
1:2:83:ILE:HG22	1:2:85:TRP:HB3	2.00	0.42
1:B:366:PHE:HE1	1:J:364:MET:HE2	1.84	0.42
1:C:47:TRP:HZ3	1:7:210:TYR:CE2	2.37	0.42
1:D:258:ILE:HG22	1:N:243:ASN:C	2.45	0.42
1:E:117:LYS:HB2	1:E:117:LYS:HE3	1.73	0.42
1:G:128:LEU:HG	1:G:291:PHE:CD1	2.54	0.42
1:G:317:ASN:HD21	1:I:194:SER:HA	1.83	0.42
1:H:285:PHE:HD2	1:H:287:LEU:HG	1.84	0.42
1:H:317:ASN:HD21	1:W:194:SER:HA	1.83	0.42
1:I:134:THR:HA	1:I:149:THR:HA	2.02	0.42
1:I:325:LEU:HD12	1:I:365:LEU:HD11	2.00	0.42
1:J:278:ILE:HB	1:J:285:PHE:CB	2.48	0.42
1:M:83:ILE:HG22	1:M:85:TRP:HB3	2.00	0.42
1:M:210:TYR:CE2	1:6:292:THR:HG21	2.55	0.42
1:M:292:THR:HG21	1:N:210:TYR:CE2	2.55	0.42
1:M:325:LEU:HD12	1:M:365:LEU:HD11	2.00	0.42
1:N:114:LEU:HD21	1:N:233:ASP:HB3	2.00	0.42
1:P:83:ILE:HG22	1:P:85:TRP:HB3	2.00	0.42
1:P:128:LEU:HG	1:P:291:PHE:CD1	2.54	0.42
1:R:128:LEU:HG	1:R:291:PHE:CD1	2.54	0.42
1:V:134:THR:HA	1:V:149:THR:HA	2.01	0.42
1:V:194:SER:HA	1:X:317:ASN:HD21	1.84	0.42
1:V:210:TYR:CE2	1:W:292:THR:HG21	2.54	0.42
1:8:83:ILE:HG22	1:8:85:TRP:HB3	2.00	0.42
1:7:128:LEU:HG	1:7:291:PHE:CD1	2.54	0.42
1:6:128:LEU:HG	1:6:291:PHE:CD1	2.54	0.42
1:3:210:TYR:CE2	1:t:292:THR:HG21	2.55	0.42
1:a:194:SER:HA	1:b:317:ASN:HD21	1.84	0.42
1:c:143:GLY:O	1:c:144:THR:OG1	2.25	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:c:243:ASN:C	1:e:258:ILE:HG22	2.45	0.42
1:e:323:ASP:O	1:e:327:ILE:N	2.40	0.42
1:g:88:MET:HE3	1:g:330:TYR:HE1	1.83	0.42
1:g:128:LEU:HG	1:g:291:PHE:CD1	2.54	0.42
1:g:239:VAL:O	1:g:241:GLN:HG3	2.18	0.42
1:h:83:ILE:HG22	1:h:85:TRP:HB3	2.00	0.42
1:h:88:MET:HE3	1:h:330:TYR:HE1	1.83	0.42
1:h:210:TYR:CE2	1:l:292:THR:HG21	2.54	0.42
1:i:83:ILE:HG22	1:i:85:TRP:HB3	2.00	0.42
1:k:366:PHE:HE1	1:l:364:MET:HE2	1.84	0.42
1:l:366:PHE:HE1	1:m:364:MET:HE2	1.85	0.42
1:n:134:THR:HA	1:n:149:THR:HA	2.01	0.42
1:o:169:LYS:CD	1:o:343:ASN:HD22	2.25	0.42
1:q:134:THR:HA	1:q:149:THR:HA	2.01	0.42
1:r:128:LEU:HG	1:r:291:PHE:CD1	2.54	0.42
1:t:209:ARG:CB	1:v:46:VAL:CG1	2.84	0.42
1:u:317:ASN:HD21	1:v:194:SER:HA	1.84	0.42
1:u:366:PHE:HE1	1:v:364:MET:HE2	1.84	0.42
1:v:285:PHE:HD2	1:v:287:LEU:HG	1.84	0.42
1:w:128:LEU:HG	1:w:291:PHE:CD1	2.54	0.42
1:y:128:LEU:HG	1:y:291:PHE:CD1	2.54	0.42
1:A:155:PRO:HG3	1:B:149:THR:HG21	2.01	0.42
1:A:285:PHE:HD2	1:A:287:LEU:HG	1.84	0.42
1:A:317:ASN:HD21	1:G:194:SER:HA	1.85	0.42
1:B:128:LEU:HG	1:B:291:PHE:CD1	2.54	0.42
1:G:134:THR:HA	1:G:149:THR:HA	2.02	0.42
1:H:155:PRO:HG3	1:Z:149:THR:HG21	2.02	0.42
1:H:194:SER:HA	1:Y:317:ASN:HD21	1.84	0.42
1:H:325:LEU:HD12	1:H:365:LEU:HD11	2.00	0.42
1:J:83:ILE:HG22	1:J:85:TRP:HB3	2.00	0.42
1:K:128:LEU:HG	1:K:291:PHE:CD1	2.54	0.42
1:K:239:VAL:O	1:K:241:GLN:HG3	2.18	0.42
1:M:128:LEU:HG	1:M:291:PHE:CD1	2.54	0.42
1:M:285:PHE:HD2	1:M:287:LEU:HG	1.84	0.42
1:P:134:THR:HA	1:P:149:THR:HA	2.01	0.42
1:P:179:PRO:O	1:P:188:TYR:OH	2.25	0.42
1:U:285:PHE:HD2	1:U:287:LEU:HG	1.84	0.42
1:U:292:THR:HG21	1:4:210:TYR:CE2	2.55	0.42
1:W:258:ILE:HG22	1:Y:243:ASN:C	2.45	0.42
1:Y:143:GLY:O	1:Y:144:THR:OG1	2.25	0.42
1:8:105:VAL:O	1:8:105:VAL:HG12	2.18	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7:83:ILE:HG22	1:7:85:TRP:HB3	2.00	0.42
1:4:134:THR:HA	1:4:149:THR:HA	2.01	0.42
1:4:149:THR:HG21	1:b:155:PRO:HG3	2.02	0.42
1:3:134:THR:HA	1:3:149:THR:HA	2.01	0.42
1:d:317:ASN:HD21	1:e:194:SER:HA	1.83	0.42
1:d:325:LEU:HD12	1:d:365:LEU:HD11	2.00	0.42
1:e:88:MET:HE3	1:e:330:TYR:HE1	1.83	0.42
1:i:128:LEU:HG	1:i:291:PHE:CD1	2.54	0.42
1:j:83:ILE:HG22	1:j:85:TRP:HB3	2.00	0.42
1:j:134:THR:HA	1:j:149:THR:HA	2.01	0.42
1:k:128:LEU:HG	1:k:291:PHE:CD1	2.54	0.42
1:l:46:VAL:CG1	1:m:209:ARG:CB	2.84	0.42
1:n:194:SER:HA	1:p:317:ASN:HD21	1.84	0.42
1:o:46:VAL:HG21	1:p:218:LEU:HD21	2.00	0.42
1:o:155:PRO:HG3	1:y:149:THR:HG21	2.02	0.42
1:q:317:ASN:HD21	1:r:194:SER:HA	1.83	0.42
1:r:134:THR:HA	1:r:149:THR:HA	2.02	0.42
1:u:128:LEU:HG	1:u:291:PHE:CD1	2.54	0.42
1:v:292:THR:HG21	1:w:210:TYR:CE2	2.54	0.42
1:x:325:LEU:HD12	1:x:365:LEU:HD11	2.00	0.42
1:y:83:ILE:HG22	1:y:85:TRP:HB3	2.00	0.42
1:y:134:THR:HA	1:y:149:THR:HA	2.01	0.42
1:A:149:THR:HG21	1:E:155:PRO:HG3	2.02	0.42
1:B:323:ASP:O	1:B:327:ILE:N	2.40	0.42
1:C:134:THR:HA	1:C:149:THR:HA	2.01	0.42
1:D:317:ASN:HD21	1:N:194:SER:HA	1.84	0.42
1:E:134:THR:HA	1:E:149:THR:HA	2.02	0.42
1:E:194:SER:HA	1:F:317:ASN:HD21	1.84	0.42
1:E:317:ASN:HD21	1:Q:194:SER:HA	1.83	0.42
1:N:184:ARG:NH1	1:N:295:THR:OG1	2.40	0.42
1:P:149:THR:HG21	1:Q:155:PRO:HG3	2.02	0.42
1:P:285:PHE:HD2	1:P:287:LEU:HG	1.84	0.42
1:R:285:PHE:HD2	1:R:287:LEU:HG	1.84	0.42
1:W:88:MET:HE3	1:W:330:TYR:HE1	1.83	0.42
1:X:83:ILE:HG22	1:X:85:TRP:HB3	2.00	0.42
1:X:155:PRO:HG3	1:3:149:THR:HG21	2.02	0.42
1:X:179:PRO:O	1:X:188:TYR:OH	2.25	0.42
1:X:210:TYR:CE2	1:3:292:THR:HG21	2.55	0.42
1:Y:278:ILE:HB	1:Y:285:PHE:CB	2.48	0.42
1:Z:194:SER:HA	1:w:317:ASN:HD21	1.84	0.42
1:7:134:THR:HA	1:7:149:THR:HA	2.02	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6:83:ILE:HG22	1:6:85:TRP:HB3	2.00	0.42
1:6:134:THR:HA	1:6:149:THR:HA	2.01	0.42
1:a:210:TYR:CE2	1:e:292:THR:HG21	2.54	0.42
1:a:323:ASP:O	1:a:327:ILE:N	2.40	0.42
1:d:155:PRO:HG3	1:f:149:THR:HG21	2.02	0.42
1:d:179:PRO:O	1:d:188:TYR:OH	2.25	0.42
1:e:128:LEU:HG	1:e:291:PHE:CD1	2.54	0.42
1:h:105:VAL:O	1:h:105:VAL:HG12	2.18	0.42
1:i:285:PHE:HD2	1:i:287:LEU:HG	1.83	0.42
1:j:285:PHE:HD2	1:j:287:LEU:HG	1.84	0.42
1:l:83:ILE:HG22	1:l:85:TRP:HB3	2.00	0.42
1:m:246:MET:HB2	1:m:332:SER:OG	2.20	0.42
1:n:243:ASN:C	1:p:258:ILE:HG22	2.45	0.42
1:n:317:ASN:HD21	1:o:194:SER:HA	1.83	0.42
1:r:182:SER:OG	1:r:187:ASP:OD2	2.23	0.42
1:r:366:PHE:HE1	1:s:364:MET:HE2	1.84	0.42
1:u:285:PHE:HD2	1:u:287:LEU:HG	1.84	0.42
1:y:285:PHE:HD2	1:y:287:LEU:HG	1.83	0.42
1:z:258:ILE:HG22	1:1:243:ASN:C	2.45	0.42
1:2:246:MET:HB2	1:2:332:SER:OG	2.20	0.42
1:2:278:ILE:HB	1:2:285:PHE:CB	2.49	0.42
1:B:134:THR:HA	1:B:149:THR:HA	2.01	0.42
1:C:83:ILE:HG22	1:C:85:TRP:HB3	2.00	0.42
1:C:258:ILE:HG22	1:7:243:ASN:C	2.45	0.42
1:D:243:ASN:C	1:P:258:ILE:HG22	2.45	0.42
1:F:194:SER:HA	1:Q:317:ASN:HD21	1.85	0.42
1:G:246:MET:HB2	1:G:332:SER:OG	2.20	0.42
1:H:134:THR:HA	1:H:149:THR:HA	2.01	0.42
1:H:278:ILE:HB	1:H:285:PHE:CB	2.48	0.42
1:I:105:VAL:O	1:I:105:VAL:HG12	2.18	0.42
1:L:246:MET:HB2	1:L:332:SER:OG	2.20	0.42
1:O:246:MET:HB2	1:O:332:SER:OG	2.20	0.42
1:R:184:ARG:NH1	1:R:295:THR:OG1	2.40	0.42
1:8:228:PHE:HE2	1:8:230:PHE:HE1	0.79	0.42
1:6:210:TYR:CE2	1:m:292:THR:HG21	2.55	0.42
1:4:169:LYS:CD	1:4:343:ASN:HD22	2.25	0.42
1:b:83:ILE:HG22	1:b:85:TRP:HB3	2.00	0.42
1:c:258:ILE:HG22	1:d:243:ASN:C	2.45	0.42
1:c:278:ILE:HB	1:c:285:PHE:CB	2.48	0.42
1:e:210:TYR:CE2	1:q:292:THR:HG21	2.54	0.42
1:f:285:PHE:HD2	1:f:287:LEU:HG	1.84	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:g:179:PRO:O	1:g:188:TYR:OH	2.25	0.42
1:h:128:LEU:HG	1:h:291:PHE:CD1	2.54	0.42
1:k:134:THR:HA	1:k:149:THR:HA	2.01	0.42
1:q:128:LEU:HG	1:q:291:PHE:CD1	2.54	0.42
1:q:246:MET:HB2	1:q:332:SER:OG	2.20	0.42
1:q:364:MET:HE2	1:s:366:PHE:HE1	1.85	0.42
1:s:285:PHE:HD2	1:s:287:LEU:HG	1.84	0.42
1:t:117:LYS:HB2	1:t:117:LYS:HE3	1.73	0.42
1:u:184:ARG:NH1	1:u:295:THR:OG1	2.40	0.42
1:y:258:ILE:HG22	1:z:243:ASN:C	2.45	0.42
1:z:317:ASN:HD21	1:1:194:SER:HA	1.84	0.42
1:A:364:MET:HE2	1:I:366:PHE:HE1	1.84	0.42
1:C:285:PHE:HD2	1:C:287:LEU:HG	1.84	0.42
1:D:128:LEU:HG	1:D:291:PHE:CD1	2.54	0.42
1:D:134:THR:HA	1:D:149:THR:HA	2.01	0.42
1:E:128:LEU:HG	1:E:291:PHE:CD1	2.54	0.42
1:E:258:ILE:HG22	1:Q:243:ASN:C	2.45	0.42
1:F:149:THR:HG21	1:G:155:PRO:HG3	2.02	0.42
1:F:210:TYR:CE2	1:R:292:THR:HG21	2.55	0.42
1:G:292:THR:HG21	1:W:210:TYR:CE2	2.54	0.42
1:H:110:TYR:OH	1:H:233:ASP:HA	2.20	0.42
1:H:243:ASN:C	1:Y:258:ILE:HG22	2.45	0.42
1:K:210:TYR:CE2	1:1:292:THR:HG21	2.54	0.42
1:N:88:MET:HE3	1:N:330:TYR:HE1	1.83	0.42
1:O:110:TYR:OH	1:O:233:ASP:HA	2.20	0.42
1:U:149:THR:HG21	1:4:155:PRO:HG3	2.02	0.42
1:V:88:MET:HE3	1:V:330:TYR:HE1	1.83	0.42
1:V:246:MET:HB2	1:V:332:SER:OG	2.20	0.42
1:W:128:LEU:HG	1:W:291:PHE:CD1	2.54	0.42
1:W:323:ASP:O	1:W:327:ILE:N	2.40	0.42
1:Z:134:THR:HA	1:Z:149:THR:HA	2.02	0.42
1:Z:246:MET:HB2	1:Z:332:SER:OG	2.20	0.42
1:8:128:LEU:HG	1:8:291:PHE:CD1	2.54	0.42
1:6:194:SER:HA	1:j:317:ASN:HD21	1.84	0.42
1:3:169:LYS:CD	1:3:343:ASN:HD22	2.25	0.42
1:a:88:MET:HE3	1:a:330:TYR:HE1	1.83	0.42
1:a:246:MET:HB2	1:a:332:SER:OG	2.20	0.42
1:c:194:SER:HA	1:e:317:ASN:HD21	1.84	0.42
1:d:110:TYR:OH	1:d:233:ASP:HA	2.20	0.42
1:d:134:THR:HA	1:d:149:THR:HA	2.01	0.42
1:d:278:ILE:HB	1:d:285:PHE:CB	2.48	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:f:134:THR:HA	1:f:149:THR:HA	2.01	0.42
1:f:169:LYS:CD	1:f:343:ASN:HD22	2.25	0.42
1:i:317:ASN:HD21	1:j:194:SER:HA	1.84	0.42
1:j:122:THR:O	1:j:224:LEU:HB2	2.20	0.42
1:m:228:PHE:HE2	1:m:230:PHE:HE1	0.79	0.42
1:n:128:LEU:HG	1:n:291:PHE:CD1	2.54	0.42
1:n:258:ILE:HG22	1:o:243:ASN:C	2.45	0.42
1:r:105:VAL:O	1:r:105:VAL:HG12	2.18	0.42
1:t:278:ILE:HB	1:t:285:PHE:CB	2.48	0.42
1:y:228:PHE:HE2	1:y:230:PHE:HE1	0.79	0.42
1:1:88:MET:HE3	1:1:330:TYR:HE1	1.83	0.42
1:2:110:TYR:OH	1:2:233:ASP:HA	2.20	0.42
1:A:122:THR:O	1:A:224:LEU:HB2	2.20	0.42
1:C:122:THR:O	1:C:224:LEU:HB2	2.20	0.42
1:C:361:LYS:HE2	1:C:363:SER:O	2.20	0.42
1:D:364:MET:HE2	1:P:366:PHE:HE1	1.85	0.42
1:F:88:MET:HE3	1:F:330:TYR:HE1	1.83	0.42
1:J:134:THR:HA	1:J:149:THR:HA	2.02	0.42
1:J:361:LYS:HE2	1:J:363:SER:O	2.20	0.42
1:M:246:MET:HB2	1:M:332:SER:OG	2.20	0.42
1:N:246:MET:HB2	1:N:332:SER:OG	2.20	0.42
1:N:292:THR:HG21	1:g:210:TYR:CE2	2.54	0.42
1:T:258:ILE:HG22	1:5:243:ASN:C	2.44	0.42
1:U:278:ILE:HB	1:U:285:PHE:CB	2.48	0.42
1:V:110:TYR:OH	1:V:233:ASP:HA	2.20	0.42
1:X:110:TYR:OH	1:X:233:ASP:HA	2.20	0.42
1:X:169:LYS:CD	1:X:343:ASN:HD22	2.25	0.42
1:X:243:ASN:C	1:4:258:ILE:HG22	2.45	0.42
1:Y:361:LYS:HE2	1:Y:363:SER:O	2.20	0.42
1:4:128:LEU:HG	1:4:291:PHE:CD1	2.54	0.42
1:3:117:LYS:HE3	1:3:117:LYS:HB2	1.73	0.42
1:3:258:ILE:HG22	1:b:243:ASN:C	2.45	0.42
1:b:246:MET:HB2	1:b:332:SER:OG	2.20	0.42
1:c:246:MET:HB2	1:c:332:SER:OG	2.20	0.42
1:c:361:LYS:HE2	1:c:363:SER:O	2.20	0.42
1:d:292:THR:HG21	1:r:210:TYR:CE2	2.55	0.42
1:f:210:TYR:CE2	1:h:292:THR:HG21	2.55	0.42
1:f:246:MET:HB2	1:f:332:SER:OG	2.20	0.42
1:g:258:ILE:HG22	1:h:243:ASN:C	2.44	0.42
1:h:361:LYS:HE2	1:h:363:SER:O	2.20	0.42
1:j:361:LYS:HE2	1:j:363:SER:O	2.20	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:k:149:THR:HG21	1:s:155:PRO:HG3	2.02	0.42
1:l:134:THR:HA	1:l:149:THR:HA	2.02	0.42
1:l:361:LYS:HE2	1:l:363:SER:O	2.20	0.42
1:m:110:TYR:OH	1:m:233:ASP:HA	2.20	0.42
1:p:88:MET:HE3	1:p:330:TYR:HE1	1.83	0.42
1:p:134:THR:HA	1:p:149:THR:HA	2.01	0.42
1:s:169:LYS:CD	1:s:343:ASN:HD22	2.25	0.42
1:v:122:THR:O	1:v:224:LEU:HB2	2.20	0.42
1:y:366:PHE:HE1	1:z:364:MET:HE2	1.85	0.42
1:z:128:LEU:HG	1:z:291:PHE:CD1	2.54	0.42
1:z:134:THR:HA	1:z:149:THR:HA	2.01	0.42
1:1:110:TYR:OH	1:1:233:ASP:HA	2.20	0.42
1:C:110:TYR:OH	1:C:233:ASP:HA	2.20	0.42
1:C:155:PRO:HG3	1:D:149:THR:HG21	2.02	0.42
1:C:210:TYR:CE2	1:D:292:THR:HG21	2.54	0.42
1:F:134:THR:HA	1:F:149:THR:HA	2.01	0.42
1:J:46:VAL:CG1	1:L:209:ARG:CB	2.84	0.42
1:K:258:ILE:HG22	1:8:243:ASN:C	2.44	0.42
1:M:122:THR:O	1:M:224:LEU:HB2	2.20	0.42
1:N:110:TYR:OH	1:N:233:ASP:HA	2.20	0.42
1:N:122:THR:O	1:N:224:LEU:HB2	2.20	0.42
1:N:128:LEU:HG	1:N:291:PHE:CD1	2.54	0.42
1:N:317:ASN:HD21	1:P:194:SER:HA	1.84	0.42
1:N:361:LYS:HE2	1:N:363:SER:O	2.20	0.42
1:Q:180:VAL:HG12	1:Q:339:SER:HG	1.84	0.42
1:S:122:THR:O	1:S:224:LEU:HB2	2.20	0.42
1:W:317:ASN:HD21	1:Y:194:SER:HA	1.84	0.42
1:X:246:MET:HB2	1:X:332:SER:OG	2.20	0.42
1:Y:246:MET:HB2	1:Y:332:SER:OG	2.20	0.42
1:Z:285:PHE:HD2	1:Z:287:LEU:HG	1.84	0.42
1:8:105:VAL:O	1:w:311:ILE:HG23	2.20	0.42
1:8:122:THR:O	1:8:224:LEU:HB2	2.20	0.42
1:8:361:LYS:HE2	1:8:363:SER:O	2.20	0.42
1:5:105:VAL:O	1:h:311:ILE:HG23	2.20	0.42
1:5:110:TYR:OH	1:5:233:ASP:HA	2.20	0.42
1:5:246:MET:HB2	1:5:332:SER:OG	2.20	0.42
1:5:311:ILE:HG23	1:h:105:VAL:O	2.20	0.42
1:3:155:PRO:HG3	1:t:149:THR:HG21	2.02	0.42
1:3:194:SER:HA	1:a:317:ASN:HD21	1.84	0.42
1:a:110:TYR:OH	1:a:233:ASP:HA	2.20	0.42
1:f:128:LEU:HG	1:f:291:PHE:CD1	2.54	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:i:122:THR:O	1:i:224:LEU:HB2	2.20	0.42
1:i:149:THR:HG21	1:1:155:PRO:HG3	2.01	0.42
1:i:246:MET:HB2	1:i:332:SER:OG	2.20	0.42
1:k:110:TYR:OH	1:k:233:ASP:HA	2.20	0.42
1:k:292:THR:HG21	1:s:210:TYR:CE2	2.55	0.42
1:n:155:PRO:HG3	1:s:149:THR:HG21	2.02	0.42
1:r:317:ASN:HD21	1:s:194:SER:HA	1.84	0.42
1:s:122:THR:O	1:s:224:LEU:HB2	2.20	0.42
1:u:134:THR:HA	1:u:149:THR:HA	2.01	0.42
1:v:134:THR:HA	1:v:149:THR:HA	2.02	0.42
1:w:246:MET:HB2	1:w:332:SER:OG	2.20	0.42
1:z:361:LYS:HE2	1:z:363:SER:O	2.20	0.42
1:z:366:PHE:HE1	1:1:364:MET:HE2	1.85	0.42
1:1:122:THR:O	1:1:224:LEU:HB2	2.20	0.42
1:1:246:MET:HB2	1:1:332:SER:OG	2.20	0.42
1:A:169:LYS:CD	1:A:343:ASN:HD22	2.25	0.42
1:B:110:TYR:OH	1:B:233:ASP:HA	2.20	0.42
1:C:194:SER:HA	1:M:317:ASN:HD21	1.84	0.42
1:C:242:ASN:ND2	1:C:263:VAL:O	2.53	0.42
1:C:246:MET:HB2	1:C:332:SER:OG	2.20	0.42
1:D:361:LYS:HE2	1:D:363:SER:O	2.20	0.42
1:D:366:PHE:HE1	1:N:364:MET:HE2	1.85	0.42
1:E:243:ASN:C	1:F:258:ILE:HG22	2.45	0.42
1:H:258:ILE:HG22	1:W:243:ASN:C	2.45	0.42
1:H:292:THR:HG21	1:I:210:TYR:CE2	2.55	0.42
1:J:246:MET:HB2	1:J:332:SER:OG	2.20	0.42
1:K:155:PRO:HG3	1:1:149:THR:HG21	2.02	0.42
1:K:361:LYS:HE2	1:K:363:SER:O	2.20	0.42
1:L:110:TYR:OH	1:L:233:ASP:HA	2.20	0.42
1:M:149:THR:HG21	1:N:155:PRO:HG3	2.02	0.42
1:P:110:TYR:OH	1:P:233:ASP:HA	2.20	0.42
1:P:246:MET:HB2	1:P:332:SER:OG	2.20	0.42
1:P:292:THR:HG21	1:Q:210:TYR:CE2	2.55	0.42
1:Q:128:LEU:HG	1:Q:291:PHE:CD1	2.54	0.42
1:R:122:THR:O	1:R:224:LEU:HB2	2.20	0.42
1:R:134:THR:HA	1:R:149:THR:HA	2.01	0.42
1:R:242:ASN:ND2	1:R:263:VAL:O	2.53	0.42
1:S:46:VAL:CG1	1:U:209:ARG:CB	2.84	0.42
1:S:110:TYR:OH	1:S:233:ASP:HA	2.20	0.42
1:S:134:THR:HA	1:S:149:THR:HA	2.02	0.42
1:S:246:MET:HB2	1:S:332:SER:OG	2.20	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:S:317:ASN:HD21	1:U:194:SER:HA	1.84	0.42
1:S:361:LYS:HE2	1:S:363:SER:O	2.20	0.42
1:V:323:ASP:O	1:V:327:ILE:N	2.40	0.42
1:V:366:PHE:HE1	1:4:364:MET:HE2	1.85	0.42
1:Z:128:LEU:HG	1:Z:291:PHE:CD1	2.54	0.42
1:Z:169:LYS:CD	1:Z:343:ASN:HD22	2.25	0.42
1:Z:210:TYR:CE2	1:8:292:THR:HG21	2.55	0.42
1:8:134:THR:HA	1:8:149:THR:HA	2.01	0.42
1:8:311:ILE:HG23	1:w:105:VAL:O	2.20	0.42
1:7:246:MET:HB2	1:7:332:SER:OG	2.20	0.42
1:6:155:PRO:HG3	1:m:149:THR:HG21	2.02	0.42
1:6:243:ASN:C	1:j:258:ILE:HG22	2.45	0.42
1:6:246:MET:HB2	1:6:332:SER:OG	2.20	0.42
1:4:117:LYS:HB2	1:4:117:LYS:HE3	1.73	0.42
1:3:128:LEU:HG	1:3:291:PHE:CD1	2.54	0.42
1:3:242:ASN:ND2	1:3:263:VAL:O	2.53	0.42
1:b:110:TYR:OH	1:b:233:ASP:HA	2.20	0.42
1:b:179:PRO:O	1:b:188:TYR:OH	2.25	0.42
1:d:258:ILE:HG22	1:e:243:ASN:C	2.45	0.42
1:e:110:TYR:OH	1:e:233:ASP:HA	2.20	0.42
1:g:361:LYS:HE2	1:g:363:SER:O	2.20	0.42
1:h:134:THR:HA	1:h:149:THR:HA	2.01	0.42
1:j:110:TYR:OH	1:j:233:ASP:HA	2.20	0.42
1:j:155:PRO:HG3	1:z:149:THR:HG21	2.02	0.42
1:j:210:TYR:CE2	1:z:292:THR:HG21	2.54	0.42
1:j:242:ASN:ND2	1:j:263:VAL:O	2.53	0.42
1:j:246:MET:HB2	1:j:332:SER:OG	2.20	0.42
1:o:128:LEU:HG	1:o:291:PHE:CD1	2.54	0.42
1:o:366:PHE:HE1	1:p:364:MET:HE2	1.84	0.42
1:p:246:MET:HB2	1:p:332:SER:OG	2.20	0.42
1:q:285:PHE:HD2	1:q:287:LEU:HG	1.84	0.42
1:t:246:MET:HB2	1:t:332:SER:OG	2.20	0.42
1:u:242:ASN:ND2	1:u:263:VAL:O	2.53	0.42
1:v:88:MET:HE3	1:v:330:TYR:HE1	1.83	0.42
1:v:246:MET:HB2	1:v:332:SER:OG	2.20	0.42
1:v:361:LYS:HE2	1:v:363:SER:O	2.20	0.42
1:w:110:TYR:OH	1:w:233:ASP:HA	2.20	0.42
1:w:169:LYS:CD	1:w:343:ASN:HD22	2.25	0.42
1:w:243:ASN:C	1:x:258:ILE:HG22	2.44	0.42
1:x:128:LEU:HG	1:x:291:PHE:CD1	2.54	0.42
1:y:194:SER:HA	1:1:317:ASN:HD21	1.84	0.42

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:y:246:MET:HB2	1:y:332:SER:OG	2.20	0.42
1:1:128:LEU:HG	1:1:291:PHE:CD1	2.54	0.42
1:1:361:LYS:HE2	1:1:363:SER:O	2.20	0.42
1:D:210:TYR:CE2	1:E:292:THR:HG21	2.54	0.41
1:F:246:MET:HB2	1:F:332:SER:OG	2.20	0.41
1:F:285:PHE:HD2	1:F:287:LEU:HG	1.84	0.41
1:G:258:ILE:HG22	1:I:243:ASN:C	2.45	0.41
1:G:361:LYS:HE2	1:G:363:SER:O	2.20	0.41
1:K:134:THR:HA	1:K:149:THR:HA	2.01	0.41
1:L:228:PHE:HE2	1:L:230:PHE:HE1	0.79	0.41
1:M:242:ASN:ND2	1:M:263:VAL:O	2.53	0.41
1:N:149:THR:HG21	1:g:155:PRO:HG3	2.02	0.41
1:P:122:THR:O	1:P:224:LEU:HB2	2.20	0.41
1:P:228:PHE:HE2	1:P:230:PHE:HE1	0.79	0.41
1:Q:242:ASN:ND2	1:Q:263:VAL:O	2.53	0.41
1:R:155:PRO:HG3	1:V:149:THR:HG21	2.02	0.41
1:T:184:ARG:NH1	1:T:295:THR:OG1	2.40	0.41
1:T:210:TYR:CE2	1:c:292:THR:HG21	2.54	0.41
1:U:361:LYS:HE2	1:U:363:SER:O	2.20	0.41
1:V:122:THR:O	1:V:224:LEU:HB2	2.20	0.41
1:W:110:TYR:OH	1:W:233:ASP:HA	2.20	0.41
1:X:134:THR:HA	1:X:149:THR:HA	2.01	0.41
1:Z:110:TYR:OH	1:Z:233:ASP:HA	2.20	0.41
1:Z:242:ASN:ND2	1:Z:263:VAL:O	2.53	0.41
1:4:242:ASN:ND2	1:4:263:VAL:O	2.53	0.41
1:a:122:THR:O	1:a:224:LEU:HB2	2.20	0.41
1:a:149:THR:HG21	1:u:155:PRO:HG3	2.02	0.41
1:c:366:PHE:HE1	1:d:364:MET:HE2	1.85	0.41
1:f:242:ASN:ND2	1:f:263:VAL:O	2.53	0.41
1:g:110:TYR:OH	1:g:233:ASP:HA	2.20	0.41
1:h:323:ASP:O	1:h:327:ILE:N	2.40	0.41
1:l:246:MET:HB2	1:l:332:SER:OG	2.20	0.41
1:o:210:TYR:CE2	1:y:292:THR:HG21	2.55	0.41
1:o:242:ASN:ND2	1:o:263:VAL:O	2.53	0.41
1:p:285:PHE:HD2	1:p:287:LEU:HG	1.84	0.41
1:q:258:ILE:HG22	1:r:243:ASN:C	2.45	0.41
1:q:361:LYS:HE2	1:q:363:SER:O	2.20	0.41
1:t:194:SER:HA	1:v:317:ASN:HD21	1.84	0.41
1:t:361:LYS:HE2	1:t:363:SER:O	2.20	0.41
1:u:122:THR:O	1:u:224:LEU:HB2	2.20	0.41
1:v:110:TYR:OH	1:v:233:ASP:HA	2.20	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:w:122:THR:O	1:w:224:LEU:HB2	2.20	0.41
1:w:323:ASP:O	1:w:327:ILE:N	2.40	0.41
1:x:361:LYS:HE2	1:x:363:SER:O	2.20	0.41
1:y:110:TYR:OH	1:y:233:ASP:HA	2.20	0.41
1:A:210:TYR:CE2	1:B:292:THR:HG21	2.55	0.41
1:B:155:PRO:HG3	1:C:149:THR:HG21	2.02	0.41
1:E:122:THR:O	1:E:224:LEU:HB2	2.20	0.41
1:F:364:MET:HE2	1:Q:366:PHE:HE1	1.85	0.41
1:G:285:PHE:HD2	1:G:287:LEU:HG	1.84	0.41
1:H:242:ASN:ND2	1:H:263:VAL:O	2.53	0.41
1:H:364:MET:HE2	1:Y:366:PHE:HE1	1.85	0.41
1:H:366:PHE:HE1	1:W:364:MET:HE2	1.85	0.41
1:K:243:ASN:C	1:2:258:ILE:HG22	2.45	0.41
1:K:246:MET:HB2	1:K:332:SER:OG	2.20	0.41
1:L:242:ASN:ND2	1:L:263:VAL:O	2.53	0.41
1:M:361:LYS:HE2	1:M:363:SER:O	2.20	0.41
1:Q:122:THR:O	1:Q:224:LEU:HB2	2.20	0.41
1:S:88:MET:HE3	1:S:330:TYR:HE1	1.83	0.41
1:T:128:LEU:HG	1:T:291:PHE:CD1	2.54	0.41
1:T:149:THR:HG21	1:U:155:PRO:HG3	2.02	0.41
1:T:242:ASN:ND2	1:T:263:VAL:O	2.53	0.41
1:T:361:LYS:HE2	1:T:363:SER:O	2.20	0.41
1:U:117:LYS:HB2	1:U:117:LYS:HE3	1.73	0.41
1:U:242:ASN:ND2	1:U:263:VAL:O	2.53	0.41
1:U:246:MET:HB2	1:U:332:SER:OG	2.20	0.41
1:W:366:PHE:HE1	1:Y:364:MET:HE2	1.85	0.41
1:X:242:ASN:ND2	1:X:263:VAL:O	2.53	0.41
1:Y:110:TYR:OH	1:Y:233:ASP:HA	2.20	0.41
1:Y:292:THR:HG21	1:x:210:TYR:CE2	2.54	0.41
1:6:364:MET:HE2	1:j:366:PHE:HE1	1.85	0.41
1:6:366:PHE:HE1	1:i:364:MET:HE2	1.85	0.41
1:5:258:ILE:HG22	1:f:243:ASN:C	2.44	0.41
1:4:361:LYS:HE2	1:4:363:SER:O	2.20	0.41
1:3:110:TYR:OH	1:3:233:ASP:HA	2.20	0.41
1:a:242:ASN:ND2	1:a:263:VAL:O	2.53	0.41
1:b:134:THR:HA	1:b:149:THR:HA	2.01	0.41
1:b:169:LYS:CD	1:b:343:ASN:HD22	2.25	0.41
1:b:242:ASN:ND2	1:b:263:VAL:O	2.53	0.41
1:b:292:THR:HG21	1:c:210:TYR:CE2	2.55	0.41
1:c:110:TYR:OH	1:c:233:ASP:HA	2.20	0.41
1:c:364:MET:HE2	1:e:366:PHE:HE1	1.85	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:d:361:LYS:HE2	1:d:363:SER:O	2.20	0.41
1:d:366:PHE:HE1	1:e:364:MET:HE2	1.85	0.41
1:f:110:TYR:OH	1:f:233:ASP:HA	2.20	0.41
1:h:122:THR:O	1:h:224:LEU:HB2	2.20	0.41
1:h:228:PHE:HE2	1:h:230:PHE:HE1	0.79	0.41
1:i:242:ASN:ND2	1:i:263:VAL:O	2.53	0.41
1:j:149:THR:HG21	1:k:155:PRO:HG3	2.02	0.41
1:l:210:TYR:CE2	1:r:292:THR:HG21	2.55	0.41
1:m:242:ASN:ND2	1:m:263:VAL:O	2.53	0.41
1:n:292:THR:HG21	1:z:210:TYR:CE2	2.54	0.41
1:o:122:THR:O	1:o:224:LEU:HB2	2.20	0.41
1:o:317:ASN:HD21	1:p:194:SER:HA	1.85	0.41
1:t:242:ASN:ND2	1:t:263:VAL:O	2.53	0.41
1:t:258:ILE:HG22	1:u:243:ASN:C	2.45	0.41
1:u:323:ASP:O	1:u:327:ILE:N	2.40	0.41
1:x:184:ARG:NH1	1:x:295:THR:OG1	2.40	0.41
1:x:246:MET:HB2	1:x:332:SER:OG	2.20	0.41
1:y:122:THR:O	1:y:224:LEU:HB2	2.20	0.41
1:B:83:ILE:HG22	1:B:85:TRP:HB3	2.00	0.41
1:G:110:TYR:OH	1:G:233:ASP:HA	2.20	0.41
1:G:242:ASN:ND2	1:G:263:VAL:O	2.53	0.41
1:H:361:LYS:HE2	1:H:363:SER:O	2.20	0.41
1:J:128:LEU:HG	1:J:291:PHE:CD1	2.54	0.41
1:K:110:TYR:OH	1:K:233:ASP:HA	2.20	0.41
1:K:122:THR:O	1:K:224:LEU:HB2	2.20	0.41
1:L:292:THR:HG21	1:7:210:TYR:CE2	2.55	0.41
1:M:210:TYR:CD2	1:7:47:TRP:CE3	3.08	0.41
1:N:258:ILE:HG22	1:P:243:ASN:C	2.45	0.41
1:O:366:PHE:HE1	1:g:364:MET:HE2	1.84	0.41
1:P:242:ASN:ND2	1:P:263:VAL:O	2.53	0.41
1:R:361:LYS:HE2	1:R:363:SER:O	2.20	0.41
1:S:169:LYS:CD	1:S:343:ASN:HD22	2.25	0.41
1:T:246:MET:HB2	1:T:332:SER:OG	2.20	0.41
1:V:242:ASN:ND2	1:V:263:VAL:O	2.53	0.41
1:V:317:ASN:HD21	1:4:194:SER:HA	1.85	0.41
1:V:361:LYS:HE2	1:V:363:SER:O	2.20	0.41
1:W:246:MET:HB2	1:W:332:SER:OG	2.20	0.41
1:Z:243:ASN:C	1:w:258:ILE:HG22	2.44	0.41
1:8:242:ASN:ND2	1:8:263:VAL:O	2.53	0.41
1:5:122:THR:O	1:5:224:LEU:HB2	2.20	0.41
1:5:134:THR:HA	1:5:149:THR:HA	2.01	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5:169:LYS:CD	1:5:343:ASN:HD22	2.25	0.41
1:5:184:ARG:NH1	1:5:295:THR:OG1	2.40	0.41
1:3:364:MET:HE2	1:a:366:PHE:HE1	1.85	0.41
1:d:242:ASN:ND2	1:d:263:VAL:O	2.53	0.41
1:e:169:LYS:CD	1:e:343:ASN:HD22	2.25	0.41
1:g:246:MET:HB2	1:g:332:SER:OG	2.20	0.41
1:i:361:LYS:HE2	1:i:363:SER:O	2.20	0.41
1:n:122:THR:O	1:n:224:LEU:HB2	2.20	0.41
1:o:134:THR:HA	1:o:149:THR:HA	2.01	0.41
1:p:210:TYR:CE2	1:u:292:THR:HG21	2.55	0.41
1:q:242:ASN:ND2	1:q:263:VAL:O	2.53	0.41
1:t:134:THR:HA	1:t:149:THR:HA	2.01	0.41
1:t:155:PRO:HG3	1:x:149:THR:HG21	2.02	0.41
1:t:366:PHE:HE1	1:u:364:MET:HE2	1.85	0.41
1:u:110:TYR:OH	1:u:233:ASP:HA	2.20	0.41
1:u:361:LYS:HE2	1:u:363:SER:O	2.20	0.41
1:v:169:LYS:CD	1:v:343:ASN:HD22	2.25	0.41
1:w:184:ARG:NH1	1:w:295:THR:OG1	2.40	0.41
1:x:242:ASN:ND2	1:x:263:VAL:O	2.53	0.41
1:y:242:ASN:ND2	1:y:263:VAL:O	2.53	0.41
1:y:243:ASN:C	1:1:258:ILE:HG22	2.45	0.41
1:A:87:VAL:HA	1:A:238:TYR:HA	2.03	0.41
1:F:155:PRO:HG3	1:R:149:THR:HG21	2.02	0.41
1:H:46:VAL:CG1	1:W:209:ARG:CB	2.85	0.41
1:H:149:THR:HG21	1:I:155:PRO:HG3	2.02	0.41
1:I:110:TYR:OH	1:I:233:ASP:HA	2.20	0.41
1:I:122:THR:O	1:I:224:LEU:HB2	2.20	0.41
1:I:292:THR:HG21	1:J:210:TYR:CE2	2.55	0.41
1:M:134:THR:HA	1:M:149:THR:HA	2.01	0.41
1:M:155:PRO:HG3	1:6:149:THR:HG21	2.02	0.41
1:O:258:ILE:HG22	1:g:243:ASN:C	2.46	0.41
1:R:110:TYR:OH	1:R:233:ASP:HA	2.20	0.41
1:R:243:ASN:C	1:U:258:ILE:HG22	2.45	0.41
1:R:364:MET:HE2	1:U:366:PHE:HE1	1.85	0.41
1:U:134:THR:HA	1:U:149:THR:HA	2.01	0.41
1:W:169:LYS:CD	1:W:343:ASN:HD22	2.25	0.41
1:X:278:ILE:HB	1:X:285:PHE:CB	2.48	0.41
1:8:323:ASP:O	1:8:327:ILE:N	2.40	0.41
1:8:366:PHE:HE1	1:2:364:MET:HE2	1.85	0.41
1:7:169:LYS:CD	1:7:343:ASN:HD22	2.25	0.41
1:7:361:LYS:HE2	1:7:363:SER:O	2.20	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6:169:LYS:CD	1:6:343:ASN:HD22	2.25	0.41
1:5:242:ASN:ND2	1:5:263:VAL:O	2.53	0.41
1:4:110:TYR:OH	1:4:233:ASP:HA	2.20	0.41
1:3:361:LYS:HE2	1:3:363:SER:O	2.20	0.41
1:a:361:LYS:HE2	1:a:363:SER:O	2.20	0.41
1:e:246:MET:HB2	1:e:332:SER:OG	2.20	0.41
1:g:122:THR:O	1:g:224:LEU:HB2	2.20	0.41
1:g:134:THR:HA	1:g:149:THR:HA	2.02	0.41
1:h:242:ASN:ND2	1:h:263:VAL:O	2.53	0.41
1:k:83:ILE:HG22	1:k:85:TRP:HB3	2.00	0.41
1:k:228:PHE:HE2	1:k:230:PHE:HE1	0.79	0.41
1:l:128:LEU:HG	1:l:291:PHE:CD1	2.54	0.41
1:p:155:PRO:HG3	1:u:149:THR:HG21	2.02	0.41
1:q:110:TYR:OH	1:q:233:ASP:HA	2.20	0.41
1:r:122:THR:O	1:r:224:LEU:HB2	2.20	0.41
1:s:179:PRO:O	1:s:188:TYR:OH	2.25	0.41
1:w:134:THR:HA	1:w:149:THR:HA	2.01	0.41
1:y:182:SER:OG	1:y:187:ASP:OD2	2.23	0.41
1:B:228:PHE:HE2	1:B:230:PHE:HE1	0.79	0.41
1:B:258:ILE:HG22	1:J:243:ASN:C	2.46	0.41
1:B:317:ASN:HD21	1:J:194:SER:HA	1.84	0.41
1:E:209:ARG:CB	1:F:46:VAL:CG1	2.84	0.41
1:E:246:MET:HB2	1:E:332:SER:OG	2.20	0.41
1:F:110:TYR:OH	1:F:233:ASP:HA	2.20	0.41
1:F:243:ASN:C	1:Q:258:ILE:HG22	2.45	0.41
1:G:366:PHE:HE1	1:I:364:MET:HE2	1.85	0.41
1:H:210:TYR:CE2	1:Z:292:THR:HG21	2.54	0.41
1:J:242:ASN:ND2	1:J:263:VAL:O	2.53	0.41
1:K:364:MET:HE2	1:2:366:PHE:HE1	1.84	0.41
1:O:364:MET:HE2	1:h:366:PHE:HE1	1.85	0.41
1:Q:292:THR:HG21	1:S:210:TYR:CE2	2.55	0.41
1:S:242:ASN:ND2	1:S:263:VAL:O	2.53	0.41
1:W:122:THR:O	1:W:224:LEU:HB2	2.20	0.41
1:X:292:THR:HG21	1:Y:210:TYR:CE2	2.55	0.41
1:6:258:ILE:HG22	1:i:243:ASN:C	2.45	0.41
1:6:361:LYS:HE2	1:6:363:SER:O	2.20	0.41
1:5:361:LYS:HE2	1:5:363:SER:O	2.20	0.41
1:3:246:MET:HB2	1:3:332:SER:OG	2.20	0.41
1:b:184:ARG:NH1	1:b:295:THR:OG1	2.40	0.41
1:b:278:ILE:HB	1:b:285:PHE:CB	2.49	0.41
1:d:149:THR:HG21	1:r:155:PRO:HG3	2.02	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:d:210:TYR:CE2	1:f:292:THR:HG21	2.54	0.41
1:e:122:THR:O	1:e:224:LEU:HB2	2.20	0.41
1:k:122:THR:O	1:k:224:LEU:HB2	2.20	0.41
1:k:246:MET:HB2	1:k:332:SER:OG	2.20	0.41
1:l:110:TYR:OH	1:l:233:ASP:HA	2.20	0.41
1:l:155:PRO:HG3	1:r:149:THR:HG21	2.02	0.41
1:l:242:ASN:ND2	1:l:263:VAL:O	2.53	0.41
1:l:258:ILE:HG22	1:m:243:ASN:C	2.45	0.41
1:m:122:THR:O	1:m:224:LEU:HB2	2.20	0.41
1:n:149:THR:HG21	1:z:155:PRO:HG3	2.02	0.41
1:n:246:MET:HB2	1:n:332:SER:OG	2.20	0.41
1:p:361:LYS:HE2	1:p:363:SER:O	2.20	0.41
1:q:250:GLY:HA2	1:q:331:GLY:HA2	2.03	0.41
1:r:184:ARG:NH1	1:r:295:THR:OG1	2.40	0.41
1:s:87:VAL:HA	1:s:238:TYR:HA	2.03	0.41
1:s:110:TYR:OH	1:s:233:ASP:HA	2.20	0.41
1:s:242:ASN:ND2	1:s:263:VAL:O	2.53	0.41
1:t:122:THR:O	1:t:224:LEU:HB2	2.20	0.41
1:v:242:ASN:ND2	1:v:263:VAL:O	2.53	0.41
1:2:241:GLN:HB2	1:2:243:ASN:HD21	1.86	0.41
1:A:110:TYR:OH	1:A:233:ASP:HA	2.20	0.41
1:A:242:ASN:ND2	1:A:263:VAL:O	2.53	0.41
1:B:210:TYR:CE2	1:C:292:THR:HG21	2.55	0.41
1:B:243:ASN:C	1:L:258:ILE:HG22	2.45	0.41
1:C:47:TRP:CE3	1:7:210:TYR:CD2	3.09	0.41
1:D:155:PRO:HG3	1:E:149:THR:HG21	2.02	0.41
1:D:241:GLN:HB2	1:D:243:ASN:HD21	1.86	0.41
1:G:122:THR:O	1:G:224:LEU:HB2	2.20	0.41
1:I:149:THR:HG21	1:J:155:PRO:HG3	2.02	0.41
1:I:242:ASN:ND2	1:I:263:VAL:O	2.53	0.41
1:J:110:TYR:OH	1:J:233:ASP:HA	2.20	0.41
1:J:258:ILE:HG22	1:L:243:ASN:C	2.45	0.41
1:K:242:ASN:ND2	1:K:263:VAL:O	2.53	0.41
1:L:122:THR:O	1:L:224:LEU:HB2	2.20	0.41
1:N:366:PHE:HE1	1:P:364:MET:HE2	1.85	0.41
1:O:241:GLN:HB2	1:O:243:ASN:HD21	1.86	0.41
1:O:242:ASN:ND2	1:O:263:VAL:O	2.53	0.41
1:P:182:SER:OG	1:P:187:ASP:OD2	2.23	0.41
1:Q:110:TYR:OH	1:Q:233:ASP:HA	2.20	0.41
1:Q:134:THR:HA	1:Q:149:THR:HA	2.02	0.41
1:R:210:TYR:CE2	1:V:292:THR:HG21	2.55	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:U:122:THR:O	1:U:224:LEU:HB2	2.20	0.41
1:X:361:LYS:HE2	1:X:363:SER:O	2.20	0.41
1:Y:134:THR:HA	1:Y:149:THR:HA	2.02	0.41
1:Z:122:THR:O	1:Z:224:LEU:HB2	2.20	0.41
1:5:323:ASP:O	1:5:327:ILE:N	2.40	0.41
1:4:246:MET:HB2	1:4:332:SER:OG	2.20	0.41
1:3:122:THR:O	1:3:224:LEU:HB2	2.20	0.41
1:a:292:THR:HG21	1:u:210:TYR:CE2	2.55	0.41
1:c:134:THR:HA	1:c:149:THR:HA	2.01	0.41
1:c:209:ARG:CB	1:e:46:VAL:CG1	2.85	0.41
1:i:110:TYR:OH	1:i:233:ASP:HA	2.20	0.41
1:j:292:THR:HG21	1:k:210:TYR:CE2	2.55	0.41
1:k:258:ILE:HG22	1:l:243:ASN:C	2.46	0.41
1:k:317:ASN:HD21	1:l:194:SER:HA	1.84	0.41
1:o:81:ILE:HA	1:o:188:TYR:O	2.21	0.41
1:o:292:THR:HG21	1:v:210:TYR:CE2	2.55	0.41
1:p:110:TYR:OH	1:p:233:ASP:HA	2.20	0.41
1:q:366:PHE:HE1	1:r:364:MET:HE2	1.85	0.41
1:r:110:TYR:OH	1:r:233:ASP:HA	2.20	0.41
1:r:242:ASN:ND2	1:r:263:VAL:O	2.53	0.41
1:r:365:LEU:HD12	1:r:365:LEU:HA	1.87	0.41
1:t:110:TYR:OH	1:t:233:ASP:HA	2.20	0.41
1:u:246:MET:HB2	1:u:332:SER:OG	2.20	0.41
1:w:242:ASN:ND2	1:w:263:VAL:O	2.53	0.41
1:z:241:GLN:HB2	1:z:243:ASN:HD21	1.86	0.41
1:A:314:VAL:O	1:A:318:LEU:HB2	2.21	0.41
1:B:87:VAL:HA	1:B:238:TYR:HA	2.03	0.41
1:B:122:THR:O	1:B:224:LEU:HB2	2.20	0.41
1:B:314:VAL:O	1:B:318:LEU:HB2	2.21	0.41
1:D:122:THR:O	1:D:224:LEU:HB2	2.20	0.41
1:E:361:LYS:HE2	1:E:363:SER:O	2.20	0.41
1:F:314:VAL:O	1:F:318:LEU:HB2	2.21	0.41
1:F:361:LYS:HE2	1:F:363:SER:O	2.20	0.41
1:G:250:GLY:HA2	1:G:331:GLY:HA2	2.03	0.41
1:H:246:MET:HB2	1:H:332:SER:OG	2.20	0.41
1:J:122:THR:O	1:J:224:LEU:HB2	2.20	0.41
1:K:87:VAL:HA	1:K:238:TYR:HA	2.03	0.41
1:M:81:ILE:HA	1:M:188:TYR:O	2.21	0.41
1:N:242:ASN:ND2	1:N:263:VAL:O	2.53	0.41
1:O:149:THR:HG21	1:P:155:PRO:HG3	2.02	0.41
1:O:210:TYR:CE2	1:5:292:THR:HG21	2.55	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:81:ILE:HA	1:P:188:TYR:O	2.21	0.41
1:R:246:MET:HB2	1:R:332:SER:OG	2.20	0.41
1:R:323:ASP:O	1:R:327:ILE:N	2.40	0.41
1:U:87:VAL:HA	1:U:238:TYR:HA	2.03	0.41
1:U:110:TYR:OH	1:U:233:ASP:HA	2.20	0.41
1:W:242:ASN:ND2	1:W:263:VAL:O	2.53	0.41
1:3:243:ASN:C	1:a:258:ILE:HG22	2.45	0.41
1:3:366:PHE:HE1	1:b:364:MET:HE2	1.85	0.41
1:a:155:PRO:HG3	1:e:149:THR:HG21	2.02	0.41
1:c:242:ASN:ND2	1:c:263:VAL:O	2.53	0.41
1:e:155:PRO:HG3	1:q:149:THR:HG21	2.02	0.41
1:g:87:VAL:HA	1:g:238:TYR:HA	2.03	0.41
1:g:250:GLY:HA2	1:g:331:GLY:HA2	2.03	0.41
1:i:134:THR:HA	1:i:149:THR:HA	2.02	0.41
1:n:87:VAL:HA	1:n:238:TYR:HA	2.03	0.41
1:n:242:ASN:ND2	1:n:263:VAL:O	2.53	0.41
1:o:110:TYR:OH	1:o:233:ASP:HA	2.20	0.41
1:p:314:VAL:O	1:p:318:LEU:HB2	2.21	0.41
1:p:323:ASP:O	1:p:327:ILE:N	2.40	0.41
1:q:122:THR:O	1:q:224:LEU:HB2	2.20	0.41
1:s:314:VAL:O	1:s:318:LEU:HB2	2.21	0.41
1:t:118:ALA:HB1	1:t:229:TRP:HB3	2.03	0.41
1:t:364:MET:HE2	1:v:366:PHE:HE1	1.85	0.41
1:w:292:THR:HG21	1:2:210:TYR:CE2	2.55	0.41
1:y:155:PRO:HG3	1:2:149:THR:HG21	2.01	0.41
1:y:364:MET:HE2	1:1:366:PHE:HE1	1.85	0.41
1:z:122:THR:O	1:z:224:LEU:HB2	2.20	0.41
1:z:246:MET:HB2	1:z:332:SER:OG	2.20	0.41
1:1:242:ASN:ND2	1:1:263:VAL:O	2.53	0.41
1:2:242:ASN:ND2	1:2:263:VAL:O	2.53	0.41
1:A:241:GLN:HB2	1:A:243:ASN:HD21	1.86	0.41
1:B:246:MET:HB2	1:B:332:SER:OG	2.20	0.41
1:C:87:VAL:HA	1:C:238:TYR:HA	2.03	0.41
1:D:180:VAL:HG12	1:D:339:SER:HG	1.85	0.41
1:D:246:MET:HB2	1:D:332:SER:OG	2.20	0.41
1:E:87:VAL:HA	1:E:238:TYR:HA	2.03	0.41
1:E:242:ASN:ND2	1:E:263:VAL:O	2.53	0.41
1:E:364:MET:HE2	1:F:366:PHE:HE1	1.85	0.41
1:G:122:THR:O	1:G:224:LEU:HD13	2.21	0.41
1:G:149:THR:HG21	1:W:155:PRO:HG3	2.02	0.41
1:H:87:VAL:HA	1:H:238:TYR:HA	2.03	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:149:THR:HG21	1:7:155:PRO:HG3	2.03	0.41
1:M:110:TYR:OH	1:M:233:ASP:HA	2.20	0.41
1:N:314:VAL:O	1:N:318:LEU:HB2	2.21	0.41
1:Q:81:ILE:HA	1:Q:188:TYR:O	2.21	0.41
1:Q:87:VAL:HA	1:Q:238:TYR:HA	2.03	0.41
1:Q:246:MET:HB2	1:Q:332:SER:OG	2.20	0.41
1:V:118:ALA:HB1	1:V:229:TRP:HB3	2.03	0.41
1:V:155:PRO:HG3	1:W:149:THR:HG21	2.02	0.41
1:W:46:VAL:CG1	1:Y:209:ARG:CB	2.85	0.41
1:W:87:VAL:HA	1:W:238:TYR:HA	2.03	0.41
1:W:250:GLY:HA2	1:W:331:GLY:HA2	2.03	0.41
1:Y:122:THR:O	1:Y:224:LEU:HB2	2.20	0.41
1:Y:242:ASN:ND2	1:Y:263:VAL:O	2.53	0.41
1:Z:122:THR:O	1:Z:224:LEU:HD13	2.21	0.41
1:Z:314:VAL:O	1:Z:318:LEU:HB2	2.21	0.41
1:7:87:VAL:HA	1:7:238:TYR:HA	2.03	0.41
1:7:122:THR:O	1:7:224:LEU:HB2	2.20	0.41
1:7:242:ASN:ND2	1:7:263:VAL:O	2.53	0.41
1:7:311:ILE:HG23	1:6:105:VAL:O	2.20	0.41
1:6:87:VAL:HA	1:6:238:TYR:HA	2.03	0.41
1:6:314:VAL:O	1:6:318:LEU:HB2	2.21	0.41
1:4:122:THR:O	1:4:224:LEU:HB2	2.20	0.41
1:b:241:GLN:HB2	1:b:243:ASN:HD21	1.86	0.41
1:b:361:LYS:HE2	1:b:363:SER:O	2.20	0.41
1:c:118:ALA:HB1	1:c:229:TRP:HB3	2.03	0.41
1:d:87:VAL:HA	1:d:238:TYR:HA	2.03	0.41
1:e:242:ASN:ND2	1:e:263:VAL:O	2.53	0.41
1:f:122:THR:O	1:f:224:LEU:HB2	2.20	0.41
1:f:122:THR:O	1:f:224:LEU:HD13	2.21	0.41
1:f:314:VAL:O	1:f:318:LEU:HB2	2.21	0.41
1:g:122:THR:O	1:g:224:LEU:HD13	2.21	0.41
1:g:242:ASN:ND2	1:g:263:VAL:O	2.53	0.41
1:h:81:ILE:HA	1:h:188:TYR:O	2.21	0.41
1:i:81:ILE:HA	1:i:188:TYR:O	2.21	0.41
1:i:87:VAL:HA	1:i:238:TYR:HA	2.03	0.41
1:k:87:VAL:HA	1:k:238:TYR:HA	2.03	0.41
1:k:361:LYS:HE2	1:k:363:SER:O	2.20	0.41
1:k:364:MET:HE2	1:m:366:PHE:HE1	1.85	0.41
1:l:122:THR:O	1:l:224:LEU:HB2	2.20	0.41
1:n:361:LYS:HE2	1:n:363:SER:O	2.20	0.41
1:o:246:MET:HB2	1:o:332:SER:OG	2.20	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:p:250:GLY:HA2	1:p:331:GLY:HA2	2.03	0.41
1:s:241:GLN:HB2	1:s:243:ASN:HD21	1.86	0.41
1:t:243:ASN:C	1:v:258:ILE:HG22	2.45	0.41
1:w:361:LYS:HE2	1:w:363:SER:O	2.20	0.41
1:x:180:VAL:HG12	1:x:339:SER:HG	1.84	0.41
1:x:365:LEU:HD12	1:x:365:LEU:HA	1.87	0.41
1:1:314:VAL:O	1:1:318:LEU:HB2	2.21	0.41
1:A:81:ILE:HA	1:A:188:TYR:O	2.21	0.41
1:A:122:THR:O	1:A:224:LEU:HD13	2.21	0.41
1:A:194:SER:HA	1:I:317:ASN:HD21	1.85	0.41
1:A:246:MET:HB2	1:A:332:SER:OG	2.20	0.41
1:A:250:GLY:HA2	1:A:331:GLY:HA2	2.03	0.41
1:A:361:LYS:HE2	1:A:363:SER:O	2.20	0.41
1:B:361:LYS:HE2	1:B:363:SER:O	2.20	0.41
1:B:364:MET:HE2	1:L:366:PHE:HE1	1.85	0.41
1:C:69:PHE:CE1	1:C:292:THR:HG22	2.56	0.41
1:C:122:THR:O	1:C:224:LEU:HD13	2.21	0.41
1:D:314:VAL:O	1:D:318:LEU:HB2	2.21	0.41
1:E:122:THR:O	1:E:224:LEU:HD13	2.21	0.41
1:F:69:PHE:CE1	1:F:292:THR:HG22	2.56	0.41
1:F:250:GLY:HA2	1:F:331:GLY:HA2	2.03	0.41
1:H:122:THR:O	1:H:224:LEU:HB2	2.20	0.41
1:H:314:VAL:O	1:H:318:LEU:HB2	2.21	0.41
1:I:122:THR:O	1:I:224:LEU:HD13	2.21	0.41
1:I:246:MET:HB2	1:I:332:SER:OG	2.20	0.41
1:I:365:LEU:HD12	1:I:365:LEU:HA	1.87	0.41
1:K:122:THR:O	1:K:224:LEU:HD13	2.21	0.41
1:K:149:THR:HG21	1:L:155:PRO:HG3	2.02	0.41
1:L:81:ILE:HA	1:L:188:TYR:O	2.21	0.41
1:L:250:GLY:HA2	1:L:331:GLY:HA2	2.03	0.41
1:L:314:VAL:O	1:L:318:LEU:HB2	2.21	0.41
1:M:87:VAL:HA	1:M:238:TYR:HA	2.03	0.41
1:M:250:GLY:HA2	1:M:331:GLY:HA2	2.03	0.41
1:N:122:THR:O	1:N:224:LEU:HD13	2.21	0.41
1:O:122:THR:O	1:O:224:LEU:HB2	2.20	0.41
1:O:250:GLY:HA2	1:O:331:GLY:HA2	2.03	0.41
1:O:314:VAL:O	1:O:318:LEU:HB2	2.21	0.41
1:O:361:LYS:HE2	1:O:363:SER:O	2.20	0.41
1:Q:122:THR:O	1:Q:224:LEU:HD13	2.21	0.41
1:Q:250:GLY:HA2	1:Q:331:GLY:HA2	2.03	0.41
1:R:88:MET:HE3	1:R:330:TYR:CE1	2.56	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:R:258:ILE:HG22	1:S:243:ASN:C	2.46	0.41
1:S:149:THR:HG21	1:5:155:PRO:HG3	2.02	0.41
1:S:366:PHE:HE1	1:U:364:MET:HE2	1.85	0.41
1:T:81:ILE:HA	1:T:188:TYR:O	2.21	0.41
1:T:180:VAL:HG12	1:T:339:SER:HG	1.85	0.41
1:T:243:ASN:C	1:f:258:ILE:HG22	2.45	0.41
1:U:88:MET:HE3	1:U:330:TYR:CE1	2.56	0.41
1:U:118:ALA:HB1	1:U:229:TRP:HB3	2.03	0.41
1:U:314:VAL:O	1:U:318:LEU:HB2	2.21	0.41
1:V:258:ILE:HG22	1:4:243:ASN:C	2.45	0.41
1:W:134:THR:HA	1:W:149:THR:HA	2.01	0.41
1:X:149:THR:HG21	1:Y:155:PRO:HG3	2.02	0.41
1:X:184:ARG:NH1	1:X:295:THR:OG1	2.40	0.41
1:X:241:GLN:HB2	1:X:243:ASN:HD21	1.86	0.41
1:X:364:MET:HE2	1:4:366:PHE:HE1	1.85	0.41
1:Y:118:ALA:HB1	1:Y:229:TRP:HB3	2.03	0.41
1:Z:258:ILE:HG22	1:x:243:ASN:C	2.45	0.41
1:Z:361:LYS:HE2	1:Z:363:SER:O	2.20	0.41
1:8:110:TYR:OH	1:8:233:ASP:HA	2.20	0.41
1:8:118:ALA:HB1	1:8:229:TRP:HB3	2.03	0.41
1:7:49:THR:CB	1:6:67:ARG:HH11	2.34	0.41
1:7:314:VAL:O	1:7:318:LEU:HB2	2.21	0.41
1:6:122:THR:O	1:6:224:LEU:HB2	2.20	0.41
1:6:242:ASN:ND2	1:6:263:VAL:O	2.53	0.41
1:6:250:GLY:HA2	1:6:331:GLY:HA2	2.03	0.41
1:4:87:VAL:HA	1:4:238:TYR:HA	2.03	0.41
1:3:87:VAL:HA	1:3:238:TYR:HA	2.03	0.41
1:a:118:ALA:HB1	1:a:229:TRP:HB3	2.03	0.41
1:b:149:THR:HG21	1:c:155:PRO:HG3	2.01	0.41
1:c:122:THR:O	1:c:224:LEU:HB2	2.20	0.41
1:d:46:VAL:CG1	1:e:209:ARG:CB	2.85	0.41
1:d:122:THR:O	1:d:224:LEU:HB2	2.20	0.41
1:d:122:THR:O	1:d:224:LEU:HD13	2.21	0.41
1:d:246:MET:HB2	1:d:332:SER:OG	2.20	0.41
1:d:314:VAL:O	1:d:318:LEU:HB2	2.21	0.41
1:e:87:VAL:HA	1:e:238:TYR:HA	2.03	0.41
1:e:250:GLY:HA2	1:e:331:GLY:HA2	2.03	0.41
1:g:149:THR:HG21	1:m:155:PRO:HG3	2.02	0.41
1:h:110:TYR:OH	1:h:233:ASP:HA	2.20	0.41
1:h:118:ALA:HB1	1:h:229:TRP:HB3	2.03	0.41
1:h:246:MET:HB2	1:h:332:SER:OG	2.20	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:i:250:GLY:HA2	1:i:331:GLY:HA2	2.03	0.41
1:j:87:VAL:HA	1:j:238:TYR:HA	2.03	0.41
1:j:122:THR:O	1:j:224:LEU:HD13	2.21	0.41
1:k:243:ASN:C	1:m:258:ILE:HG22	2.45	0.41
1:k:314:VAL:O	1:k:318:LEU:HB2	2.21	0.41
1:m:250:GLY:HA2	1:m:331:GLY:HA2	2.03	0.41
1:m:314:VAL:O	1:m:318:LEU:HB2	2.21	0.41
1:n:110:TYR:OH	1:n:233:ASP:HA	2.20	0.41
1:n:122:THR:O	1:n:224:LEU:HD13	2.21	0.41
1:n:314:VAL:O	1:n:318:LEU:HB2	2.21	0.41
1:o:87:VAL:HA	1:o:238:TYR:HA	2.03	0.41
1:o:122:THR:O	1:o:224:LEU:HD13	2.21	0.41
1:o:250:GLY:HA2	1:o:331:GLY:HA2	2.03	0.41
1:o:258:ILE:HG22	1:p:243:ASN:C	2.46	0.41
1:q:122:THR:O	1:q:224:LEU:HD13	2.21	0.41
1:q:314:VAL:O	1:q:318:LEU:HB2	2.21	0.41
1:r:69:PHE:CE1	1:r:292:THR:HG22	2.56	0.41
1:s:81:ILE:HA	1:s:188:TYR:O	2.21	0.41
1:s:122:THR:O	1:s:224:LEU:HD13	2.21	0.41
1:s:134:THR:HA	1:s:149:THR:HA	2.01	0.41
1:s:246:MET:HB2	1:s:332:SER:OG	2.20	0.41
1:s:250:GLY:HA2	1:s:331:GLY:HA2	2.03	0.41
1:t:87:VAL:HA	1:t:238:TYR:HA	2.03	0.41
1:t:314:VAL:O	1:t:318:LEU:HB2	2.21	0.41
1:u:258:ILE:HG22	1:v:243:ASN:C	2.46	0.41
1:v:149:THR:HG21	1:w:155:PRO:HG3	2.02	0.41
1:x:81:ILE:HA	1:x:188:TYR:O	2.21	0.41
1:x:122:THR:O	1:x:224:LEU:HB2	2.20	0.41
1:y:81:ILE:HA	1:y:188:TYR:O	2.21	0.41
1:z:180:VAL:HG12	1:z:339:SER:HG	1.85	0.41
1:z:314:VAL:O	1:z:318:LEU:HB2	2.21	0.41
1:1:122:THR:O	1:1:224:LEU:HD13	2.21	0.41
1:2:88:MET:HE3	1:2:330:TYR:CE1	2.56	0.41
1:2:122:THR:O	1:2:224:LEU:HB2	2.20	0.41
1:2:250:GLY:HA2	1:2:331:GLY:HA2	2.03	0.41
1:2:361:LYS:HE2	1:2:363:SER:O	2.20	0.41
1:E:110:TYR:OH	1:E:233:ASP:HA	2.20	0.41
1:E:241:GLN:HB2	1:E:243:ASN:HD21	1.86	0.41
1:E:314:VAL:O	1:E:318:LEU:HB2	2.21	0.41
1:F:81:ILE:HA	1:F:188:TYR:O	2.21	0.41
1:F:87:VAL:HA	1:F:238:TYR:HA	2.03	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:314:VAL:O	1:G:318:LEU:HB2	2.21	0.41
1:H:122:THR:O	1:H:224:LEU:HD13	2.21	0.41
1:I:69:PHE:CE1	1:I:292:THR:HG22	2.56	0.41
1:I:184:ARG:NH1	1:I:295:THR:OG1	2.40	0.41
1:N:87:VAL:HA	1:N:238:TYR:HA	2.03	0.41
1:N:88:MET:HE3	1:N:330:TYR:CE1	2.56	0.41
1:N:323:ASP:O	1:N:327:ILE:N	2.40	0.41
1:O:81:ILE:HA	1:O:188:TYR:O	2.21	0.41
1:O:88:MET:HE3	1:O:330:TYR:CE1	2.56	0.41
1:O:122:THR:O	1:O:224:LEU:HD13	2.21	0.41
1:P:241:GLN:HB2	1:P:243:ASN:HD21	1.86	0.41
1:Q:361:LYS:HE2	1:Q:363:SER:O	2.20	0.41
1:R:81:ILE:HA	1:R:188:TYR:O	2.21	0.41
1:R:87:VAL:HA	1:R:238:TYR:HA	2.03	0.41
1:S:258:ILE:HG22	1:U:243:ASN:C	2.45	0.41
1:T:88:MET:HE3	1:T:330:TYR:CE1	2.56	0.41
1:T:122:THR:O	1:T:224:LEU:HB2	2.20	0.41
1:T:155:PRO:HG3	1:c:149:THR:HG21	2.02	0.41
1:U:81:ILE:HA	1:U:188:TYR:O	2.21	0.41
1:V:88:MET:HE3	1:V:330:TYR:CE1	2.56	0.41
1:X:122:THR:O	1:X:224:LEU:HD13	2.21	0.41
1:Y:69:PHE:CE1	1:Y:292:THR:HG22	2.56	0.41
1:Y:88:MET:HE3	1:Y:330:TYR:CE1	2.56	0.41
1:Z:87:VAL:HA	1:Z:238:TYR:HA	2.03	0.41
1:8:81:ILE:HA	1:8:188:TYR:O	2.21	0.41
1:8:88:MET:HE3	1:8:330:TYR:CE1	2.56	0.41
1:8:246:MET:HB2	1:8:332:SER:OG	2.20	0.41
1:7:110:TYR:OH	1:7:233:ASP:HA	2.20	0.41
1:7:250:GLY:HA2	1:7:331:GLY:HA2	2.03	0.41
1:6:110:TYR:OH	1:6:233:ASP:HA	2.20	0.41
1:5:118:ALA:HB1	1:5:229:TRP:HB3	2.03	0.41
1:5:314:VAL:O	1:5:318:LEU:HB2	2.21	0.41
1:4:323:ASP:O	1:4:327:ILE:N	2.40	0.41
1:3:88:MET:HE3	1:3:330:TYR:CE1	2.56	0.41
1:a:88:MET:HE3	1:a:330:TYR:CE1	2.56	0.41
1:b:118:ALA:HB1	1:b:229:TRP:HB3	2.03	0.41
1:c:69:PHE:CE1	1:c:292:THR:HG22	2.56	0.41
1:c:88:MET:HE3	1:c:330:TYR:CE1	2.56	0.41
1:e:134:THR:HA	1:e:149:THR:HA	2.02	0.41
1:f:88:MET:HE3	1:f:330:TYR:CE1	2.56	0.41
1:f:361:LYS:HE2	1:f:363:SER:O	2.20	0.41

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:h:88:MET:HE3	1:h:330:TYR:CE1	2.56	0.41
1:i:122:THR:O	1:i:224:LEU:HD13	2.21	0.41
1:j:69:PHE:CE1	1:j:292:THR:HG22	2.56	0.41
1:m:81:ILE:HA	1:m:188:TYR:O	2.21	0.41
1:n:241:GLN:HB2	1:n:243:ASN:HD21	1.86	0.41
1:n:311:ILE:HG23	1:y:105:VAL:O	2.21	0.41
1:n:364:MET:HE2	1:p:366:PHE:HE1	1.85	0.41
1:p:69:PHE:CE1	1:p:292:THR:HG22	2.56	0.41
1:p:87:VAL:HA	1:p:238:TYR:HA	2.03	0.41
1:q:143:GLY:C	1:q:144:THR:HG1	2.22	0.41
1:q:243:ASN:C	1:s:258:ILE:HG22	2.45	0.41
1:r:118:ALA:HB1	1:r:229:TRP:HB3	2.03	0.41
1:r:122:THR:O	1:r:224:LEU:HD13	2.21	0.41
1:r:246:MET:HB2	1:r:332:SER:OG	2.20	0.41
1:r:258:ILE:HG22	1:s:243:ASN:C	2.45	0.41
1:t:81:ILE:HA	1:t:188:TYR:O	2.21	0.41
1:t:88:MET:HE3	1:t:330:TYR:CE1	2.56	0.41
1:u:88:MET:HE3	1:u:330:TYR:CE1	2.56	0.41
1:w:118:ALA:HB1	1:w:229:TRP:HB3	2.03	0.41
1:x:88:MET:HE3	1:x:330:TYR:CE1	2.56	0.41
1:x:314:VAL:O	1:x:318:LEU:HB2	2.21	0.41
1:y:87:VAL:HA	1:y:238:TYR:HA	2.03	0.41
1:y:241:GLN:HB2	1:y:243:ASN:HD21	1.86	0.41
1:1:87:VAL:HA	1:1:238:TYR:HA	2.03	0.41
1:1:88:MET:HE3	1:1:330:TYR:CE1	2.56	0.41
1:2:122:THR:O	1:2:224:LEU:HD13	2.21	0.41
1:2:314:VAL:O	1:2:318:LEU:HB2	2.21	0.41
1:D:242:ASN:ND2	1:D:263:VAL:O	2.53	0.40
1:E:311:ILE:HG23	1:P:105:VAL:O	2.21	0.40
1:F:323:ASP:O	1:F:327:ILE:N	2.40	0.40
1:I:118:ALA:HB1	1:I:229:TRP:HB3	2.03	0.40
1:J:87:VAL:HA	1:J:238:TYR:HA	2.03	0.40
1:J:314:VAL:O	1:J:318:LEU:HB2	2.21	0.40
1:L:118:ALA:HB1	1:L:229:TRP:HB3	2.03	0.40
1:M:122:THR:O	1:M:224:LEU:HD13	2.21	0.40
1:N:118:ALA:HB1	1:N:229:TRP:HB3	2.03	0.40
1:O:118:ALA:HB1	1:O:229:TRP:HB3	2.03	0.40
1:O:134:THR:HA	1:O:149:THR:HA	2.01	0.40
1:U:241:GLN:HB2	1:U:243:ASN:HD21	1.86	0.40
1:V:81:ILE:HA	1:V:188:TYR:O	2.21	0.40
1:W:122:THR:O	1:W:224:LEU:HD13	2.21	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:X:118:ALA:HB1	1:X:229:TRP:HB3	2.03	0.40
1:Y:81:ILE:HA	1:Y:188:TYR:O	2.21	0.40
1:Z:88:MET:HE3	1:Z:330:TYR:CE1	2.56	0.40
1:8:69:PHE:CE1	1:8:292:THR:HG22	2.56	0.40
1:4:69:PHE:CE1	1:4:292:THR:HG22	2.56	0.40
1:4:88:MET:HE3	1:4:330:TYR:CE1	2.56	0.40
1:3:118:ALA:HB1	1:3:229:TRP:HB3	2.03	0.40
1:3:323:ASP:O	1:3:327:ILE:N	2.40	0.40
1:a:81:ILE:HA	1:a:188:TYR:O	2.21	0.40
1:b:122:THR:O	1:b:224:LEU:HD13	2.21	0.40
1:c:81:ILE:HA	1:c:188:TYR:O	2.21	0.40
1:c:177:VAL:O	1:c:179:PRO:HD3	2.22	0.40
1:d:88:MET:HE3	1:d:330:TYR:CE1	2.56	0.40
1:d:311:ILE:HG23	1:q:105:VAL:O	2.22	0.40
1:e:122:THR:O	1:e:224:LEU:HD13	2.21	0.40
1:f:87:VAL:HA	1:f:238:TYR:HA	2.03	0.40
1:l:87:VAL:HA	1:l:238:TYR:HA	2.03	0.40
1:l:241:GLN:HB2	1:l:243:ASN:HD21	1.86	0.40
1:m:87:VAL:HA	1:m:238:TYR:HA	2.03	0.40
1:m:88:MET:HE3	1:m:330:TYR:CE1	2.56	0.40
1:m:361:LYS:HE2	1:m:363:SER:O	2.20	0.40
1:p:81:ILE:HA	1:p:188:TYR:O	2.21	0.40
1:s:361:LYS:HE2	1:s:363:SER:O	2.20	0.40
1:u:241:GLN:HB2	1:u:243:ASN:HD21	1.86	0.40
1:w:314:VAL:O	1:w:318:LEU:HB2	2.21	0.40
1:z:242:ASN:ND2	1:z:263:VAL:O	2.53	0.40
1:1:118:ALA:HB1	1:1:229:TRP:HB3	2.03	0.40
1:1:323:ASP:O	1:1:327:ILE:N	2.40	0.40
1:2:81:ILE:HA	1:2:188:TYR:O	2.21	0.40
1:A:134:THR:HA	1:A:149:THR:HA	2.01	0.40
1:A:258:ILE:HG22	1:G:243:ASN:C	2.46	0.40
1:D:81:ILE:HA	1:D:188:TYR:O	2.21	0.40
1:E:366:PHE:HE1	1:Q:364:MET:HE2	1.85	0.40
1:F:242:ASN:ND2	1:F:263:VAL:O	2.53	0.40
1:G:105:VAL:O	1:H:311:ILE:HG23	2.22	0.40
1:H:88:MET:HE3	1:H:330:TYR:CE1	2.56	0.40
1:I:81:ILE:HA	1:I:188:TYR:O	2.21	0.40
1:I:241:GLN:HB2	1:I:243:ASN:HD21	1.86	0.40
1:J:117:LYS:HB2	1:J:117:LYS:HE3	1.73	0.40
1:K:366:PHE:HE1	1:8:364:MET:HE2	1.86	0.40
1:L:87:VAL:HA	1:L:238:TYR:HA	2.03	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L:361:LYS:HE2	1:L:363:SER:O	2.20	0.40
1:M:69:PHE:CE1	1:M:292:THR:HG22	2.56	0.40
1:M:118:ALA:HB1	1:M:229:TRP:HB3	2.03	0.40
1:P:87:VAL:HA	1:P:238:TYR:HA	2.03	0.40
1:P:177:VAL:O	1:P:179:PRO:HD3	2.22	0.40
1:P:361:LYS:HE2	1:P:363:SER:O	2.20	0.40
1:Q:118:ALA:HB1	1:Q:229:TRP:HB3	2.03	0.40
1:Q:177:VAL:O	1:Q:179:PRO:HD3	2.22	0.40
1:R:241:GLN:HB2	1:R:243:ASN:HD21	1.86	0.40
1:S:122:THR:O	1:S:224:LEU:HD13	2.21	0.40
1:S:250:GLY:HA2	1:S:331:GLY:HA2	2.03	0.40
1:T:134:THR:HA	1:T:149:THR:HA	2.01	0.40
1:T:314:VAL:O	1:T:318:LEU:HB2	2.21	0.40
1:V:364:MET:HE2	1:X:366:PHE:CE1	2.56	0.40
1:W:314:VAL:O	1:W:318:LEU:HB2	2.21	0.40
1:X:69:PHE:CE1	1:X:292:THR:HG22	2.56	0.40
1:X:177:VAL:O	1:X:179:PRO:HD3	2.22	0.40
1:Y:149:THR:HG21	1:x:155:PRO:HG3	2.02	0.40
1:Y:177:VAL:O	1:Y:179:PRO:HD3	2.22	0.40
1:Z:118:ALA:HB1	1:Z:229:TRP:HB3	2.03	0.40
1:7:88:MET:HE3	1:7:330:TYR:CE1	2.56	0.40
1:7:118:ALA:HB1	1:7:229:TRP:HB3	2.03	0.40
1:6:118:ALA:HB1	1:6:229:TRP:HB3	2.03	0.40
1:4:118:ALA:HB1	1:4:229:TRP:HB3	2.03	0.40
1:3:69:PHE:CE1	1:3:292:THR:HG22	2.56	0.40
1:a:122:THR:O	1:a:224:LEU:HD13	2.21	0.40
1:b:69:PHE:CE1	1:b:292:THR:HG22	2.56	0.40
1:b:81:ILE:HA	1:b:188:TYR:O	2.21	0.40
1:b:177:VAL:O	1:b:179:PRO:HD3	2.22	0.40
1:d:81:ILE:HA	1:d:188:TYR:O	2.21	0.40
1:h:69:PHE:CE1	1:h:292:THR:HG22	2.56	0.40
1:i:69:PHE:CE1	1:i:292:THR:HG22	2.56	0.40
1:k:81:ILE:HA	1:k:188:TYR:O	2.21	0.40
1:l:314:VAL:O	1:l:318:LEU:HB2	2.21	0.40
1:m:118:ALA:HB1	1:m:229:TRP:HB3	2.03	0.40
1:m:134:THR:HA	1:m:149:THR:HA	2.01	0.40
1:n:209:ARG:CB	1:p:46:VAL:CG1	2.85	0.40
1:n:366:PHE:HE1	1:o:364:MET:HE2	1.85	0.40
1:o:118:ALA:HB1	1:o:229:TRP:HB3	2.03	0.40
1:o:361:LYS:HE2	1:o:363:SER:O	2.20	0.40
1:p:242:ASN:ND2	1:p:263:VAL:O	2.53	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:q:81:ILE:HA	1:q:188:TYR:O	2.21	0.40
1:q:87:VAL:HA	1:q:238:TYR:HA	2.03	0.40
1:q:241:GLN:HB2	1:q:243:ASN:HD21	1.86	0.40
1:r:361:LYS:HE2	1:r:363:SER:O	2.20	0.40
1:t:241:GLN:HB2	1:t:243:ASN:HD21	1.86	0.40
1:u:81:ILE:HA	1:u:188:TYR:O	2.21	0.40
1:u:87:VAL:HA	1:u:238:TYR:HA	2.03	0.40
1:y:88:MET:HE3	1:y:330:TYR:CE1	2.56	0.40
1:y:177:VAL:O	1:y:179:PRO:HD3	2.22	0.40
1:y:361:LYS:HE2	1:y:363:SER:O	2.20	0.40
1:2:118:ALA:HB1	1:2:229:TRP:HB3	2.03	0.40
1:A:88:MET:HE3	1:A:330:TYR:CE1	2.56	0.40
1:B:81:ILE:HA	1:B:188:TYR:O	2.21	0.40
1:B:177:VAL:O	1:B:179:PRO:HD3	2.22	0.40
1:B:250:GLY:HA2	1:B:331:GLY:HA2	2.03	0.40
1:C:250:GLY:HA2	1:C:331:GLY:HA2	2.03	0.40
1:D:69:PHE:CE1	1:D:292:THR:HG22	2.56	0.40
1:E:88:MET:HE3	1:E:330:TYR:CE1	2.56	0.40
1:F:177:VAL:O	1:F:179:PRO:HD3	2.22	0.40
1:G:81:ILE:HA	1:G:188:TYR:O	2.21	0.40
1:G:87:VAL:HA	1:G:238:TYR:HA	2.03	0.40
1:H:81:ILE:HA	1:H:188:TYR:O	2.21	0.40
1:H:177:VAL:O	1:H:179:PRO:HD3	2.22	0.40
1:I:361:LYS:HE2	1:I:363:SER:O	2.20	0.40
1:K:69:PHE:CE1	1:K:292:THR:HG22	2.56	0.40
1:K:88:MET:HE3	1:K:330:TYR:CE1	2.56	0.40
1:L:69:PHE:CE1	1:L:292:THR:HG22	2.56	0.40
1:L:88:MET:HE3	1:L:330:TYR:CE1	2.56	0.40
1:O:69:PHE:CE1	1:O:292:THR:HG22	2.56	0.40
1:O:255:SER:O	1:O:257:HIS:ND1	2.55	0.40
1:P:88:MET:HE3	1:P:330:TYR:CE1	2.56	0.40
1:Q:149:THR:HG21	1:S:155:PRO:HG3	2.02	0.40
1:S:88:MET:HE3	1:S:330:TYR:CE1	2.56	0.40
1:S:228:PHE:HE2	1:S:230:PHE:HE1	0.79	0.40
1:T:110:TYR:OH	1:T:233:ASP:HA	2.20	0.40
1:V:69:PHE:CE1	1:V:292:THR:HG22	2.56	0.40
1:V:122:THR:O	1:V:224:LEU:HD13	2.21	0.40
1:V:365:LEU:HD12	1:V:365:LEU:HA	1.86	0.40
1:W:69:PHE:CE1	1:W:292:THR:HG22	2.57	0.40
1:W:361:LYS:HE2	1:W:363:SER:O	2.20	0.40
1:X:81:ILE:HA	1:X:188:TYR:O	2.21	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Z:69:PHE:CE1	1:Z:292:THR:HG22	2.56	0.40
1:Z:180:VAL:HG12	1:Z:339:SER:HG	1.87	0.40
1:Z:366:PHE:CE1	1:x:364:MET:HE2	2.56	0.40
1:8:177:VAL:O	1:8:179:PRO:HD3	2.22	0.40
1:8:250:GLY:HA2	1:8:331:GLY:HA2	2.03	0.40
1:7:149:THR:HG21	1:i:155:PRO:HG3	2.03	0.40
1:6:88:MET:HE3	1:6:330:TYR:CE1	2.56	0.40
1:6:317:ASN:HD21	1:i:194:SER:HA	1.84	0.40
1:5:81:ILE:HA	1:5:188:TYR:O	2.21	0.40
1:4:81:ILE:HA	1:4:188:TYR:O	2.21	0.40
1:3:122:THR:O	1:3:224:LEU:HD13	2.21	0.40
1:a:69:PHE:CE1	1:a:292:THR:HG22	2.56	0.40
1:a:364:MET:HE2	1:b:366:PHE:CE1	2.56	0.40
1:e:69:PHE:CE1	1:e:292:THR:HG22	2.56	0.40
1:e:241:GLN:HB2	1:e:243:ASN:HD21	1.86	0.40
1:e:314:VAL:O	1:e:318:LEU:HB2	2.21	0.40
1:e:361:LYS:HE2	1:e:363:SER:O	2.20	0.40
1:g:311:ILE:HG23	1:l:105:VAL:O	2.22	0.40
1:h:177:VAL:O	1:h:179:PRO:HD3	2.22	0.40
1:i:118:ALA:HB1	1:i:229:TRP:HB3	2.03	0.40
1:i:258:ILE:HG22	1:j:243:ASN:C	2.46	0.40
1:k:177:VAL:O	1:k:179:PRO:HD3	2.22	0.40
1:k:250:GLY:HA2	1:k:331:GLY:HA2	2.03	0.40
1:m:69:PHE:CE1	1:m:292:THR:HG22	2.56	0.40
1:o:177:VAL:O	1:o:179:PRO:HD3	2.22	0.40
1:q:69:PHE:CE1	1:q:292:THR:HG22	2.56	0.40
1:r:81:ILE:HA	1:r:188:TYR:O	2.21	0.40
1:r:88:MET:HE3	1:r:330:TYR:CE1	2.56	0.40
1:s:88:MET:HE3	1:s:330:TYR:CE1	2.56	0.40
1:t:122:THR:O	1:t:224:LEU:HD13	2.21	0.40
1:v:88:MET:HE3	1:v:330:TYR:CE1	2.56	0.40
1:v:122:THR:O	1:v:224:LEU:HD13	2.21	0.40
1:v:250:GLY:HA2	1:v:331:GLY:HA2	2.03	0.40
1:x:87:VAL:HA	1:x:238:TYR:HA	2.03	0.40
1:x:134:THR:HA	1:x:149:THR:HA	2.01	0.40
1:x:241:GLN:HB2	1:x:243:ASN:HD21	1.86	0.40
1:z:81:ILE:HA	1:z:188:TYR:O	2.21	0.40
1:2:69:PHE:CE1	1:2:292:THR:HG22	2.56	0.40
1:B:242:ASN:ND2	1:B:263:VAL:O	2.53	0.40
1:B:366:PHE:CE1	1:J:364:MET:HE2	2.57	0.40
1:C:88:MET:HE3	1:C:330:TYR:CE1	2.56	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:105:VAL:O	1:P:311:ILE:HG23	2.22	0.40
1:G:69:PHE:CE1	1:G:292:THR:HG22	2.56	0.40
1:H:250:GLY:HA2	1:H:331:GLY:HA2	2.03	0.40
1:I:88:MET:HE3	1:I:330:TYR:CE1	2.56	0.40
1:J:105:VAL:O	1:K:311:ILE:HG23	2.22	0.40
1:J:241:GLN:HB2	1:J:243:ASN:HD21	1.86	0.40
1:M:210:TYR:CE2	1:7:47:TRP:HZ3	2.38	0.40
1:N:81:ILE:HA	1:N:188:TYR:O	2.21	0.40
1:S:81:ILE:HA	1:S:188:TYR:O	2.21	0.40
1:T:87:VAL:HA	1:T:238:TYR:HA	2.03	0.40
1:T:241:GLN:HB2	1:T:243:ASN:HD21	1.86	0.40
1:T:364:MET:HE2	1:f:366:PHE:CE1	2.56	0.40
1:U:122:THR:O	1:U:224:LEU:HD13	2.21	0.40
1:V:87:VAL:HA	1:V:238:TYR:HA	2.03	0.40
1:V:255:SER:O	1:V:257:HIS:ND1	2.55	0.40
1:W:88:MET:HE3	1:W:330:TYR:CE1	2.56	0.40
1:W:177:VAL:O	1:W:179:PRO:HD3	2.22	0.40
1:X:87:VAL:HA	1:X:238:TYR:HA	2.03	0.40
1:X:88:MET:HE3	1:X:330:TYR:CE1	2.56	0.40
1:7:122:THR:O	1:7:224:LEU:HD13	2.21	0.40
1:6:122:THR:O	1:6:224:LEU:HD13	2.21	0.40
1:5:69:PHE:CE1	1:5:292:THR:HG22	2.56	0.40
1:5:180:VAL:HG12	1:5:339:SER:HG	1.86	0.40
1:5:366:PHE:HE1	1:f:364:MET:HE2	1.85	0.40
1:4:122:THR:O	1:4:224:LEU:HD13	2.21	0.40
1:3:81:ILE:HA	1:3:188:TYR:O	2.21	0.40
1:3:177:VAL:O	1:3:179:PRO:HD3	2.22	0.40
1:a:87:VAL:HA	1:a:238:TYR:HA	2.03	0.40
1:a:255:SER:O	1:a:257:HIS:ND1	2.55	0.40
1:b:87:VAL:HA	1:b:238:TYR:HA	2.03	0.40
1:d:177:VAL:O	1:d:179:PRO:HD3	2.22	0.40
1:e:88:MET:HE3	1:e:330:TYR:CE1	2.56	0.40
1:f:118:ALA:HB1	1:f:229:TRP:HB3	2.03	0.40
1:g:88:MET:HE3	1:g:330:TYR:CE1	2.56	0.40
1:g:241:GLN:HB2	1:g:243:ASN:HD21	1.86	0.40
1:h:250:GLY:HA2	1:h:331:GLY:HA2	2.03	0.40
1:h:314:VAL:O	1:h:318:LEU:HB2	2.21	0.40
1:j:88:MET:HE3	1:j:330:TYR:CE1	2.56	0.40
1:j:250:GLY:HA2	1:j:331:GLY:HA2	2.03	0.40
1:k:242:ASN:ND2	1:k:263:VAL:O	2.53	0.40
1:k:366:PHE:CE1	1:l:364:MET:HE2	2.57	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:m:177:VAL:O	1:m:179:PRO:HD3	2.22	0.40
1:n:88:MET:HE3	1:n:330:TYR:CE1	2.56	0.40
1:o:149:THR:HG21	1:v:155:PRO:HG3	2.02	0.40
1:p:105:VAL:O	1:s:311:ILE:HG23	2.22	0.40
1:p:122:THR:O	1:p:224:LEU:HB2	2.20	0.40
1:r:241:GLN:HB2	1:r:243:ASN:HD21	1.86	0.40
1:v:81:ILE:HA	1:v:188:TYR:O	2.21	0.40
1:v:177:VAL:O	1:v:179:PRO:HD3	2.22	0.40
1:v:241:GLN:HB2	1:v:243:ASN:HD21	1.86	0.40
1:v:314:VAL:O	1:v:318:LEU:HB2	2.21	0.40
1:w:69:PHE:CE1	1:w:292:THR:HG22	2.56	0.40
1:x:110:TYR:OH	1:x:233:ASP:HA	2.20	0.40
1:z:69:PHE:CE1	1:z:292:THR:HG22	2.56	0.40
1:1:250:GLY:HA2	1:1:331:GLY:HA2	2.03	0.40
1:2:134:THR:HA	1:2:149:THR:HA	2.02	0.40
1:2:255:SER:O	1:2:257:HIS:ND1	2.55	0.40
1:A:243:ASN:C	1:I:258:ILE:HG22	2.46	0.40
1:C:46:VAL:HG22	1:7:211:TRP:HA	2.02	0.40
1:C:105:VAL:O	1:L:311:ILE:HG23	2.22	0.40
1:C:243:ASN:C	1:M:258:ILE:HG22	2.46	0.40
1:D:88:MET:HE3	1:D:330:TYR:CE1	2.56	0.40
1:E:81:ILE:HA	1:E:188:TYR:O	2.21	0.40
1:G:241:GLN:HB2	1:G:243:ASN:HD21	1.86	0.40
1:K:241:GLN:HB2	1:K:243:ASN:HD21	1.86	0.40
1:L:134:THR:HA	1:L:149:THR:HA	2.02	0.40
1:L:177:VAL:O	1:L:179:PRO:HD3	2.22	0.40
1:M:314:VAL:O	1:M:318:LEU:HB2	2.21	0.40
1:P:69:PHE:CE1	1:P:292:THR:HG22	2.56	0.40
1:P:122:THR:O	1:P:224:LEU:HD13	2.21	0.40
1:Q:69:PHE:CE1	1:Q:292:THR:HG22	2.56	0.40
1:S:177:VAL:O	1:S:179:PRO:HD3	2.22	0.40
1:S:241:GLN:HB2	1:S:243:ASN:HD21	1.86	0.40
1:S:314:VAL:O	1:S:318:LEU:HB2	2.21	0.40
1:T:118:ALA:HB1	1:T:229:TRP:HB3	2.03	0.40
1:V:314:VAL:O	1:V:318:LEU:HB2	2.21	0.40
1:W:241:GLN:HB2	1:W:243:ASN:HD21	1.86	0.40
1:Y:122:THR:O	1:Y:224:LEU:HD13	2.21	0.40
1:8:314:VAL:O	1:8:318:LEU:HB2	2.21	0.40
1:7:69:PHE:CE1	1:7:292:THR:HG22	2.56	0.40
1:4:177:VAL:O	1:4:179:PRO:HD3	2.22	0.40
1:4:314:VAL:O	1:4:318:LEU:HB2	2.21	0.40

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:d:250:GLY:HA2	1:d:331:GLY:HA2	2.03	0.40
1:e:177:VAL:O	1:e:179:PRO:HD3	2.22	0.40
1:f:69:PHE:CE1	1:f:292:THR:HG22	2.57	0.40
1:g:69:PHE:CE1	1:g:292:THR:HG22	2.57	0.40
1:k:69:PHE:CE1	1:k:292:THR:HG22	2.56	0.40
1:l:118:ALA:HB1	1:l:229:TRP:HB3	2.03	0.40
1:n:81:ILE:HA	1:n:188:TYR:O	2.21	0.40
1:n:105:VAL:O	1:y:311:ILE:HG23	2.22	0.40
1:o:314:VAL:O	1:o:318:LEU:HB2	2.21	0.40
1:p:177:VAL:O	1:p:179:PRO:HD3	2.22	0.40
1:p:241:GLN:HB2	1:p:243:ASN:HD21	1.86	0.40
1:s:69:PHE:CE1	1:s:292:THR:HG22	2.56	0.40
1:x:118:ALA:HB1	1:x:229:TRP:HB3	2.03	0.40
1:y:118:ALA:HB1	1:y:229:TRP:HB3	2.03	0.40
1:1:81:ILE:HA	1:1:188:TYR:O	2.21	0.40
1:1:241:GLN:HB2	1:1:243:ASN:HD21	1.86	0.40

There are no symmetry-related clashes.

5.3 Torsion angles (i)

5.3.1 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 EM 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	1	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	2	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	3	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	4	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	5	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	6	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	7	332/369 (90%)	319 (96%)	13 (4%)	0	100	100

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	8	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	A	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	B	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	C	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	D	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	E	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	F	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	G	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	H	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	I	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	J	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	K	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	L	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	M	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	N	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	O	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	P	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	Q	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	R	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	S	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	T	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	U	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	V	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	W	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	X	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	Y	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	Z	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	a	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	b	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	c	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	d	332/369 (90%)	319 (96%)	13 (4%)	0	100	100

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	e	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	f	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	g	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	h	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	i	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	j	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	k	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	l	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	m	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	n	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	o	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	p	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	q	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	r	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	s	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	t	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	u	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	v	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	w	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	x	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	y	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
1	z	332/369 (90%)	319 (96%)	13 (4%)	0	100	100
All	All	19920/22140 (90%)	19140 (96%)	780 (4%)	0	100	100

There are no Ramachandran outliers to report.

5.3.2 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 EM 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	1	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	2	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	3	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	4	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	5	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	6	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	7	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	8	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	A	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	B	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	C	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	D	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	E	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	F	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	G	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	H	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	I	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	J	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	K	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	L	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	M	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	N	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	O	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	P	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	Q	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	R	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	S	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	T	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	U	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	V	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	W	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	X	292/321 (91%)	290 (99%)	2 (1%)	76	87

Continued on next page...

Continued from previous page...

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	Y	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	Z	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	a	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	b	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	c	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	d	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	e	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	f	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	g	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	h	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	i	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	j	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	k	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	l	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	m	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	n	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	o	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	p	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	q	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	r	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	s	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	t	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	u	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	v	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	w	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	x	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	y	292/321 (91%)	290 (99%)	2 (1%)	76	87
1	z	292/321 (91%)	290 (99%)	2 (1%)	76	87
All	All	17520/19260 (91%)	17400 (99%)	120 (1%)	73	87

All (120) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	46	VAL
1	A	243	ASN
1	B	46	VAL
1	B	243	ASN
1	C	46	VAL
1	C	243	ASN
1	D	46	VAL
1	D	243	ASN
1	E	46	VAL
1	E	243	ASN
1	F	46	VAL
1	F	243	ASN
1	G	46	VAL
1	G	243	ASN
1	H	46	VAL
1	H	243	ASN
1	I	46	VAL
1	I	243	ASN
1	J	46	VAL
1	J	243	ASN
1	K	46	VAL
1	K	243	ASN
1	L	46	VAL
1	L	243	ASN
1	M	46	VAL
1	M	243	ASN
1	N	46	VAL
1	N	243	ASN
1	O	46	VAL
1	O	243	ASN
1	P	46	VAL
1	P	243	ASN
1	Q	46	VAL
1	Q	243	ASN
1	R	46	VAL
1	R	243	ASN
1	S	46	VAL
1	S	243	ASN
1	T	46	VAL
1	T	243	ASN
1	U	46	VAL
1	U	243	ASN
1	V	46	VAL

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	V	243	ASN
1	W	46	VAL
1	W	243	ASN
1	X	46	VAL
1	X	243	ASN
1	Y	46	VAL
1	Y	243	ASN
1	Z	46	VAL
1	Z	243	ASN
1	8	46	VAL
1	8	243	ASN
1	7	46	VAL
1	7	243	ASN
1	6	46	VAL
1	6	243	ASN
1	5	46	VAL
1	5	243	ASN
1	4	46	VAL
1	4	243	ASN
1	3	46	VAL
1	3	243	ASN
1	a	46	VAL
1	a	243	ASN
1	b	46	VAL
1	b	243	ASN
1	c	46	VAL
1	c	243	ASN
1	d	46	VAL
1	d	243	ASN
1	e	46	VAL
1	e	243	ASN
1	f	46	VAL
1	f	243	ASN
1	g	46	VAL
1	g	243	ASN
1	h	46	VAL
1	h	243	ASN
1	i	46	VAL
1	i	243	ASN
1	j	46	VAL
1	j	243	ASN
1	k	46	VAL

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	k	243	ASN
1	l	46	VAL
1	l	243	ASN
1	m	46	VAL
1	m	243	ASN
1	n	46	VAL
1	n	243	ASN
1	o	46	VAL
1	o	243	ASN
1	p	46	VAL
1	p	243	ASN
1	q	46	VAL
1	q	243	ASN
1	r	46	VAL
1	r	243	ASN
1	s	46	VAL
1	s	243	ASN
1	t	46	VAL
1	t	243	ASN
1	u	46	VAL
1	u	243	ASN
1	v	46	VAL
1	v	243	ASN
1	w	46	VAL
1	w	243	ASN
1	x	46	VAL
1	x	243	ASN
1	y	46	VAL
1	y	243	ASN
1	z	46	VAL
1	z	243	ASN
1	1	46	VAL
1	1	243	ASN
1	2	46	VAL
1	2	243	ASN

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (719) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	71	ASN
1	A	95	ASN
1	A	119	HIS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	A	206	ASN
1	A	222	HIS
1	A	241	GLN
1	A	243	ASN
1	A	271	HIS
1	A	284	GLN
1	A	290	GLN
1	A	345	GLN
1	A	357	ASN
1	B	71	ASN
1	B	95	ASN
1	B	119	HIS
1	B	222	HIS
1	B	241	GLN
1	B	243	ASN
1	B	271	HIS
1	B	284	GLN
1	B	290	GLN
1	B	345	GLN
1	B	357	ASN
1	C	71	ASN
1	C	95	ASN
1	C	119	HIS
1	C	206	ASN
1	C	222	HIS
1	C	241	GLN
1	C	243	ASN
1	C	271	HIS
1	C	284	GLN
1	C	290	GLN
1	C	345	GLN
1	C	357	ASN
1	D	71	ASN
1	D	95	ASN
1	D	119	HIS
1	D	222	HIS
1	D	241	GLN
1	D	243	ASN
1	D	271	HIS
1	D	284	GLN
1	D	290	GLN
1	D	345	GLN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	D	357	ASN
1	E	71	ASN
1	E	95	ASN
1	E	119	HIS
1	E	206	ASN
1	E	222	HIS
1	E	241	GLN
1	E	243	ASN
1	E	271	HIS
1	E	284	GLN
1	E	290	GLN
1	E	345	GLN
1	E	357	ASN
1	F	71	ASN
1	F	95	ASN
1	F	119	HIS
1	F	206	ASN
1	F	222	HIS
1	F	241	GLN
1	F	243	ASN
1	F	271	HIS
1	F	284	GLN
1	F	290	GLN
1	F	345	GLN
1	F	357	ASN
1	G	71	ASN
1	G	95	ASN
1	G	119	HIS
1	G	206	ASN
1	G	222	HIS
1	G	241	GLN
1	G	243	ASN
1	G	271	HIS
1	G	284	GLN
1	G	290	GLN
1	G	345	GLN
1	G	357	ASN
1	H	71	ASN
1	H	95	ASN
1	H	119	HIS
1	H	206	ASN
1	H	222	HIS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	H	241	GLN
1	H	243	ASN
1	H	259	ASN
1	H	271	HIS
1	H	284	GLN
1	H	290	GLN
1	H	345	GLN
1	H	357	ASN
1	I	71	ASN
1	I	95	ASN
1	I	119	HIS
1	I	206	ASN
1	I	222	HIS
1	I	241	GLN
1	I	243	ASN
1	I	271	HIS
1	I	284	GLN
1	I	290	GLN
1	I	345	GLN
1	I	357	ASN
1	J	71	ASN
1	J	95	ASN
1	J	119	HIS
1	J	206	ASN
1	J	222	HIS
1	J	241	GLN
1	J	243	ASN
1	J	271	HIS
1	J	284	GLN
1	J	290	GLN
1	J	345	GLN
1	J	357	ASN
1	K	71	ASN
1	K	95	ASN
1	K	119	HIS
1	K	152	ASN
1	K	206	ASN
1	K	222	HIS
1	K	241	GLN
1	K	243	ASN
1	K	259	ASN
1	K	271	HIS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	K	284	GLN
1	K	290	GLN
1	K	345	GLN
1	K	357	ASN
1	L	71	ASN
1	L	95	ASN
1	L	119	HIS
1	L	213	GLN
1	L	222	HIS
1	L	241	GLN
1	L	243	ASN
1	L	271	HIS
1	L	284	GLN
1	L	290	GLN
1	L	345	GLN
1	L	357	ASN
1	M	71	ASN
1	M	95	ASN
1	M	119	HIS
1	M	152	ASN
1	M	206	ASN
1	M	222	HIS
1	M	241	GLN
1	M	243	ASN
1	M	259	ASN
1	M	271	HIS
1	M	284	GLN
1	M	290	GLN
1	M	345	GLN
1	M	357	ASN
1	N	95	ASN
1	N	119	HIS
1	N	206	ASN
1	N	213	GLN
1	N	222	HIS
1	N	241	GLN
1	N	243	ASN
1	N	271	HIS
1	N	284	GLN
1	N	290	GLN
1	N	345	GLN
1	N	357	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	O	71	ASN
1	O	95	ASN
1	O	119	HIS
1	O	206	ASN
1	O	222	HIS
1	O	241	GLN
1	O	243	ASN
1	O	271	HIS
1	O	284	GLN
1	O	290	GLN
1	O	345	GLN
1	O	357	ASN
1	P	71	ASN
1	P	95	ASN
1	P	119	HIS
1	P	206	ASN
1	P	222	HIS
1	P	241	GLN
1	P	243	ASN
1	P	271	HIS
1	P	284	GLN
1	P	290	GLN
1	P	345	GLN
1	P	357	ASN
1	Q	71	ASN
1	Q	95	ASN
1	Q	119	HIS
1	Q	206	ASN
1	Q	222	HIS
1	Q	241	GLN
1	Q	243	ASN
1	Q	271	HIS
1	Q	284	GLN
1	Q	290	GLN
1	Q	345	GLN
1	Q	357	ASN
1	R	71	ASN
1	R	95	ASN
1	R	119	HIS
1	R	222	HIS
1	R	241	GLN
1	R	243	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	R	271	HIS
1	R	284	GLN
1	R	290	GLN
1	R	345	GLN
1	R	357	ASN
1	S	71	ASN
1	S	95	ASN
1	S	119	HIS
1	S	206	ASN
1	S	222	HIS
1	S	241	GLN
1	S	243	ASN
1	S	271	HIS
1	S	284	GLN
1	S	290	GLN
1	S	345	GLN
1	S	357	ASN
1	T	71	ASN
1	T	95	ASN
1	T	119	HIS
1	T	206	ASN
1	T	222	HIS
1	T	241	GLN
1	T	243	ASN
1	T	271	HIS
1	T	284	GLN
1	T	290	GLN
1	T	345	GLN
1	T	357	ASN
1	U	71	ASN
1	U	95	ASN
1	U	119	HIS
1	U	222	HIS
1	U	241	GLN
1	U	243	ASN
1	U	271	HIS
1	U	284	GLN
1	U	290	GLN
1	U	345	GLN
1	U	357	ASN
1	V	71	ASN
1	V	95	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	V	119	HIS
1	V	206	ASN
1	V	222	HIS
1	V	241	GLN
1	V	243	ASN
1	V	271	HIS
1	V	284	GLN
1	V	290	GLN
1	V	345	GLN
1	V	357	ASN
1	W	95	ASN
1	W	119	HIS
1	W	222	HIS
1	W	241	GLN
1	W	243	ASN
1	W	271	HIS
1	W	284	GLN
1	W	290	GLN
1	W	345	GLN
1	W	357	ASN
1	X	95	ASN
1	X	119	HIS
1	X	206	ASN
1	X	222	HIS
1	X	241	GLN
1	X	243	ASN
1	X	271	HIS
1	X	284	GLN
1	X	290	GLN
1	X	345	GLN
1	X	357	ASN
1	Y	71	ASN
1	Y	95	ASN
1	Y	119	HIS
1	Y	222	HIS
1	Y	241	GLN
1	Y	243	ASN
1	Y	271	HIS
1	Y	284	GLN
1	Y	290	GLN
1	Y	345	GLN
1	Y	357	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	Z	71	ASN
1	Z	95	ASN
1	Z	119	HIS
1	Z	206	ASN
1	Z	222	HIS
1	Z	241	GLN
1	Z	243	ASN
1	Z	271	HIS
1	Z	284	GLN
1	Z	290	GLN
1	Z	345	GLN
1	Z	357	ASN
1	8	71	ASN
1	8	95	ASN
1	8	119	HIS
1	8	206	ASN
1	8	222	HIS
1	8	241	GLN
1	8	243	ASN
1	8	271	HIS
1	8	284	GLN
1	8	290	GLN
1	8	345	GLN
1	8	357	ASN
1	7	71	ASN
1	7	95	ASN
1	7	119	HIS
1	7	152	ASN
1	7	206	ASN
1	7	222	HIS
1	7	241	GLN
1	7	243	ASN
1	7	259	ASN
1	7	271	HIS
1	7	284	GLN
1	7	290	GLN
1	7	345	GLN
1	7	357	ASN
1	6	71	ASN
1	6	95	ASN
1	6	119	HIS
1	6	206	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	6	213	GLN
1	6	222	HIS
1	6	241	GLN
1	6	243	ASN
1	6	259	ASN
1	6	271	HIS
1	6	284	GLN
1	6	290	GLN
1	6	345	GLN
1	6	357	ASN
1	5	71	ASN
1	5	95	ASN
1	5	119	HIS
1	5	206	ASN
1	5	222	HIS
1	5	241	GLN
1	5	243	ASN
1	5	271	HIS
1	5	284	GLN
1	5	290	GLN
1	5	345	GLN
1	5	357	ASN
1	4	71	ASN
1	4	95	ASN
1	4	119	HIS
1	4	206	ASN
1	4	222	HIS
1	4	241	GLN
1	4	243	ASN
1	4	271	HIS
1	4	284	GLN
1	4	290	GLN
1	4	345	GLN
1	4	357	ASN
1	3	71	ASN
1	3	95	ASN
1	3	119	HIS
1	3	206	ASN
1	3	222	HIS
1	3	241	GLN
1	3	243	ASN
1	3	271	HIS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	3	284	GLN
1	3	290	GLN
1	3	345	GLN
1	3	357	ASN
1	a	71	ASN
1	a	95	ASN
1	a	119	HIS
1	a	206	ASN
1	a	222	HIS
1	a	241	GLN
1	a	243	ASN
1	a	271	HIS
1	a	284	GLN
1	a	290	GLN
1	a	345	GLN
1	a	357	ASN
1	b	95	ASN
1	b	119	HIS
1	b	206	ASN
1	b	222	HIS
1	b	241	GLN
1	b	243	ASN
1	b	259	ASN
1	b	271	HIS
1	b	284	GLN
1	b	290	GLN
1	b	345	GLN
1	b	357	ASN
1	c	95	ASN
1	c	119	HIS
1	c	206	ASN
1	c	222	HIS
1	c	241	GLN
1	c	243	ASN
1	c	271	HIS
1	c	284	GLN
1	c	290	GLN
1	c	345	GLN
1	c	357	ASN
1	d	71	ASN
1	d	95	ASN
1	d	119	HIS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	d	206	ASN
1	d	222	HIS
1	d	241	GLN
1	d	243	ASN
1	d	259	ASN
1	d	271	HIS
1	d	284	GLN
1	d	290	GLN
1	d	345	GLN
1	d	357	ASN
1	e	95	ASN
1	e	119	HIS
1	e	222	HIS
1	e	241	GLN
1	e	243	ASN
1	e	271	HIS
1	e	284	GLN
1	e	290	GLN
1	e	345	GLN
1	e	357	ASN
1	f	71	ASN
1	f	95	ASN
1	f	119	HIS
1	f	206	ASN
1	f	222	HIS
1	f	241	GLN
1	f	243	ASN
1	f	271	HIS
1	f	284	GLN
1	f	290	GLN
1	f	345	GLN
1	f	357	ASN
1	g	71	ASN
1	g	95	ASN
1	g	119	HIS
1	g	152	ASN
1	g	222	HIS
1	g	241	GLN
1	g	243	ASN
1	g	259	ASN
1	g	271	HIS
1	g	284	GLN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	g	290	GLN
1	g	345	GLN
1	g	357	ASN
1	h	71	ASN
1	h	95	ASN
1	h	119	HIS
1	h	206	ASN
1	h	222	HIS
1	h	241	GLN
1	h	243	ASN
1	h	259	ASN
1	h	271	HIS
1	h	284	GLN
1	h	290	GLN
1	h	345	GLN
1	h	357	ASN
1	i	71	ASN
1	i	95	ASN
1	i	119	HIS
1	i	206	ASN
1	i	222	HIS
1	i	241	GLN
1	i	243	ASN
1	i	259	ASN
1	i	271	HIS
1	i	284	GLN
1	i	290	GLN
1	i	345	GLN
1	i	357	ASN
1	j	71	ASN
1	j	95	ASN
1	j	119	HIS
1	j	206	ASN
1	j	222	HIS
1	j	241	GLN
1	j	243	ASN
1	j	271	HIS
1	j	284	GLN
1	j	290	GLN
1	j	345	GLN
1	j	357	ASN
1	k	71	ASN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	k	95	ASN
1	k	119	HIS
1	k	222	HIS
1	k	241	GLN
1	k	243	ASN
1	k	271	HIS
1	k	284	GLN
1	k	290	GLN
1	k	345	GLN
1	k	357	ASN
1	l	71	ASN
1	l	95	ASN
1	l	119	HIS
1	l	206	ASN
1	l	222	HIS
1	l	241	GLN
1	l	243	ASN
1	l	271	HIS
1	l	284	GLN
1	l	290	GLN
1	l	345	GLN
1	l	357	ASN
1	m	71	ASN
1	m	95	ASN
1	m	119	HIS
1	m	222	HIS
1	m	241	GLN
1	m	243	ASN
1	m	271	HIS
1	m	284	GLN
1	m	290	GLN
1	m	345	GLN
1	m	357	ASN
1	n	71	ASN
1	n	95	ASN
1	n	119	HIS
1	n	206	ASN
1	n	222	HIS
1	n	241	GLN
1	n	243	ASN
1	n	271	HIS
1	n	284	GLN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	n	290	GLN
1	n	345	GLN
1	n	357	ASN
1	o	71	ASN
1	o	95	ASN
1	o	119	HIS
1	o	206	ASN
1	o	222	HIS
1	o	241	GLN
1	o	243	ASN
1	o	271	HIS
1	o	284	GLN
1	o	290	GLN
1	o	345	GLN
1	o	357	ASN
1	p	71	ASN
1	p	95	ASN
1	p	119	HIS
1	p	206	ASN
1	p	222	HIS
1	p	241	GLN
1	p	243	ASN
1	p	271	HIS
1	p	284	GLN
1	p	290	GLN
1	p	345	GLN
1	p	357	ASN
1	q	71	ASN
1	q	95	ASN
1	q	119	HIS
1	q	206	ASN
1	q	222	HIS
1	q	241	GLN
1	q	243	ASN
1	q	271	HIS
1	q	284	GLN
1	q	290	GLN
1	q	345	GLN
1	q	357	ASN
1	r	71	ASN
1	r	95	ASN
1	r	119	HIS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	r	206	ASN
1	r	222	HIS
1	r	241	GLN
1	r	243	ASN
1	r	259	ASN
1	r	271	HIS
1	r	284	GLN
1	r	290	GLN
1	r	345	GLN
1	r	357	ASN
1	s	71	ASN
1	s	95	ASN
1	s	119	HIS
1	s	222	HIS
1	s	241	GLN
1	s	243	ASN
1	s	271	HIS
1	s	284	GLN
1	s	290	GLN
1	s	345	GLN
1	s	357	ASN
1	t	71	ASN
1	t	95	ASN
1	t	119	HIS
1	t	222	HIS
1	t	241	GLN
1	t	243	ASN
1	t	271	HIS
1	t	284	GLN
1	t	290	GLN
1	t	345	GLN
1	t	357	ASN
1	u	71	ASN
1	u	95	ASN
1	u	119	HIS
1	u	222	HIS
1	u	241	GLN
1	u	243	ASN
1	u	271	HIS
1	u	284	GLN
1	u	290	GLN
1	u	345	GLN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	u	357	ASN
1	v	71	ASN
1	v	95	ASN
1	v	119	HIS
1	v	206	ASN
1	v	222	HIS
1	v	241	GLN
1	v	243	ASN
1	v	271	HIS
1	v	284	GLN
1	v	290	GLN
1	v	345	GLN
1	v	357	ASN
1	w	71	ASN
1	w	95	ASN
1	w	119	HIS
1	w	206	ASN
1	w	222	HIS
1	w	241	GLN
1	w	243	ASN
1	w	271	HIS
1	w	284	GLN
1	w	290	GLN
1	w	345	GLN
1	w	357	ASN
1	x	71	ASN
1	x	95	ASN
1	x	119	HIS
1	x	206	ASN
1	x	222	HIS
1	x	241	GLN
1	x	243	ASN
1	x	271	HIS
1	x	284	GLN
1	x	290	GLN
1	x	345	GLN
1	x	357	ASN
1	y	71	ASN
1	y	95	ASN
1	y	119	HIS
1	y	206	ASN
1	y	222	HIS

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	y	241	GLN
1	y	243	ASN
1	y	271	HIS
1	y	284	GLN
1	y	290	GLN
1	y	345	GLN
1	y	357	ASN
1	z	71	ASN
1	z	95	ASN
1	z	119	HIS
1	z	206	ASN
1	z	222	HIS
1	z	241	GLN
1	z	243	ASN
1	z	271	HIS
1	z	284	GLN
1	z	290	GLN
1	z	345	GLN
1	z	357	ASN
1	1	71	ASN
1	1	95	ASN
1	1	119	HIS
1	1	206	ASN
1	1	213	GLN
1	1	222	HIS
1	1	241	GLN
1	1	243	ASN
1	1	271	HIS
1	1	284	GLN
1	1	290	GLN
1	1	345	GLN
1	1	357	ASN
1	2	71	ASN
1	2	95	ASN
1	2	119	HIS
1	2	206	ASN
1	2	222	HIS
1	2	241	GLN
1	2	243	ASN
1	2	271	HIS
1	2	284	GLN
1	2	290	GLN

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type
1	2	345	GLN
1	2	357	ASN

5.3.3 RNA

There are no RNA molecules in this entry.

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

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

5.5 Carbohydrates

There are no oligosaccharides in this entry.

5.6 Ligand geometry

Of 60 ligands modelled in this entry, 60 are monoatomic - leaving 0 for Mogul analysis.

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

5.7 Other polymers

There are no such residues in this entry.

5.8 Polymer linkage issues

There are no chain breaks in this entry.

6 Map visualisation

This section contains visualisations of the EMDB entry EMD-21667. These allow visual inspection of the internal detail of the map and identification of artifacts.

No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

6.1 Orthogonal projections

6.1.1 Primary map

X

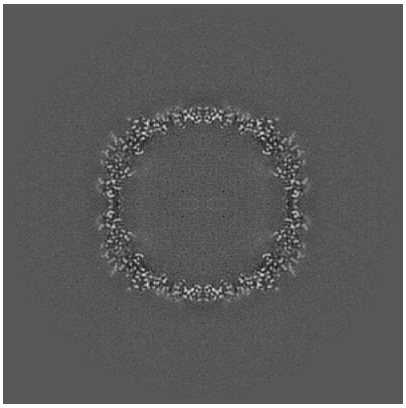
Y

Z

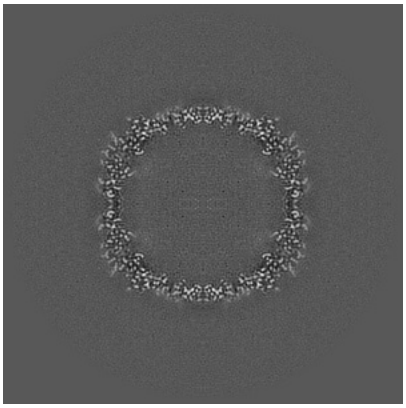
The images above show the map projected in three orthogonal directions.

6.2 Central slices

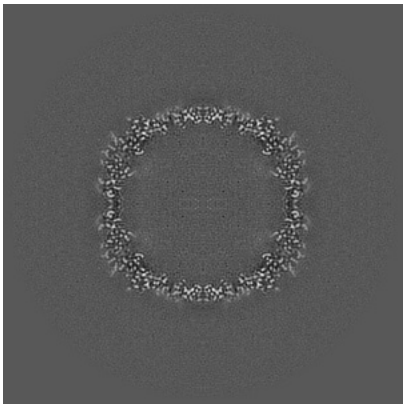
6.2.1 Primary map



X Index: 200



Y Index: 200

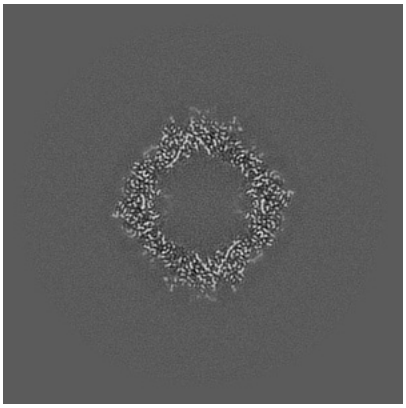


Z Index: 200

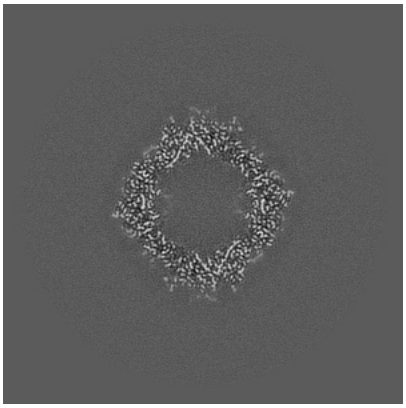
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices (i)

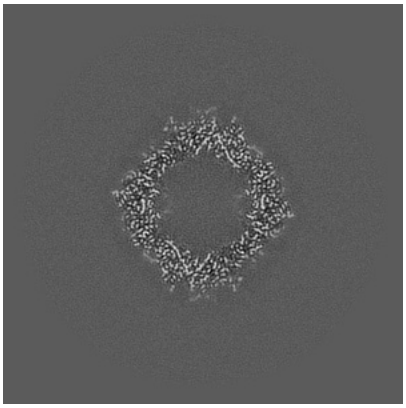
6.3.1 Primary map



X Index: 135



Y Index: 135

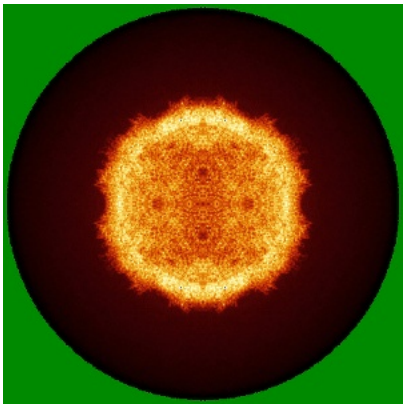


Z Index: 265

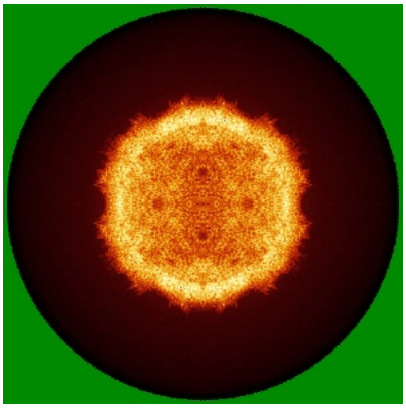
The images above show the largest variance slices of the map in three orthogonal directions.

6.4 Orthogonal standard-deviation projections (False-color) (i)

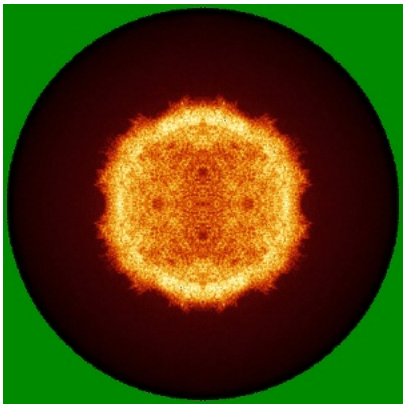
6.4.1 Primary map



X



Y

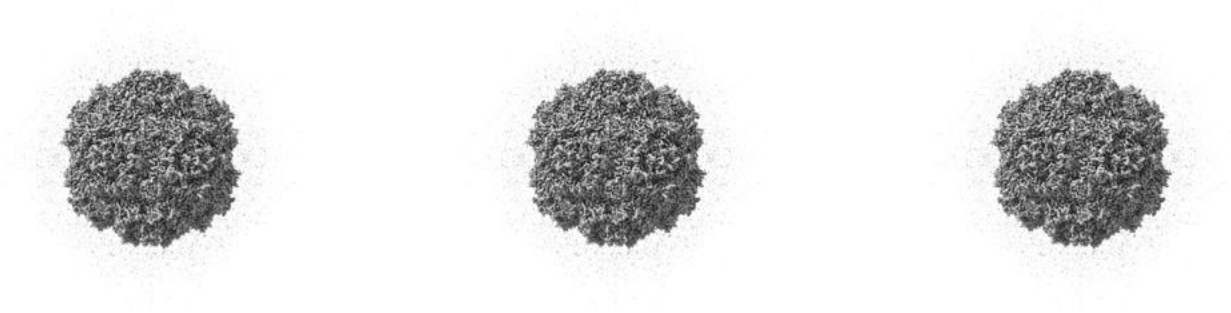


Z

The images above show the map standard deviation projections with false color in three orthogonal directions. Minimum values are shown in green, max in blue, and dark to light orange shades represent small to large values respectively.

6.5 Orthogonal surface views (i)

6.5.1 Primary map



X Y Z

The images above show the 3D surface view of the map at the recommended contour level 1.5. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

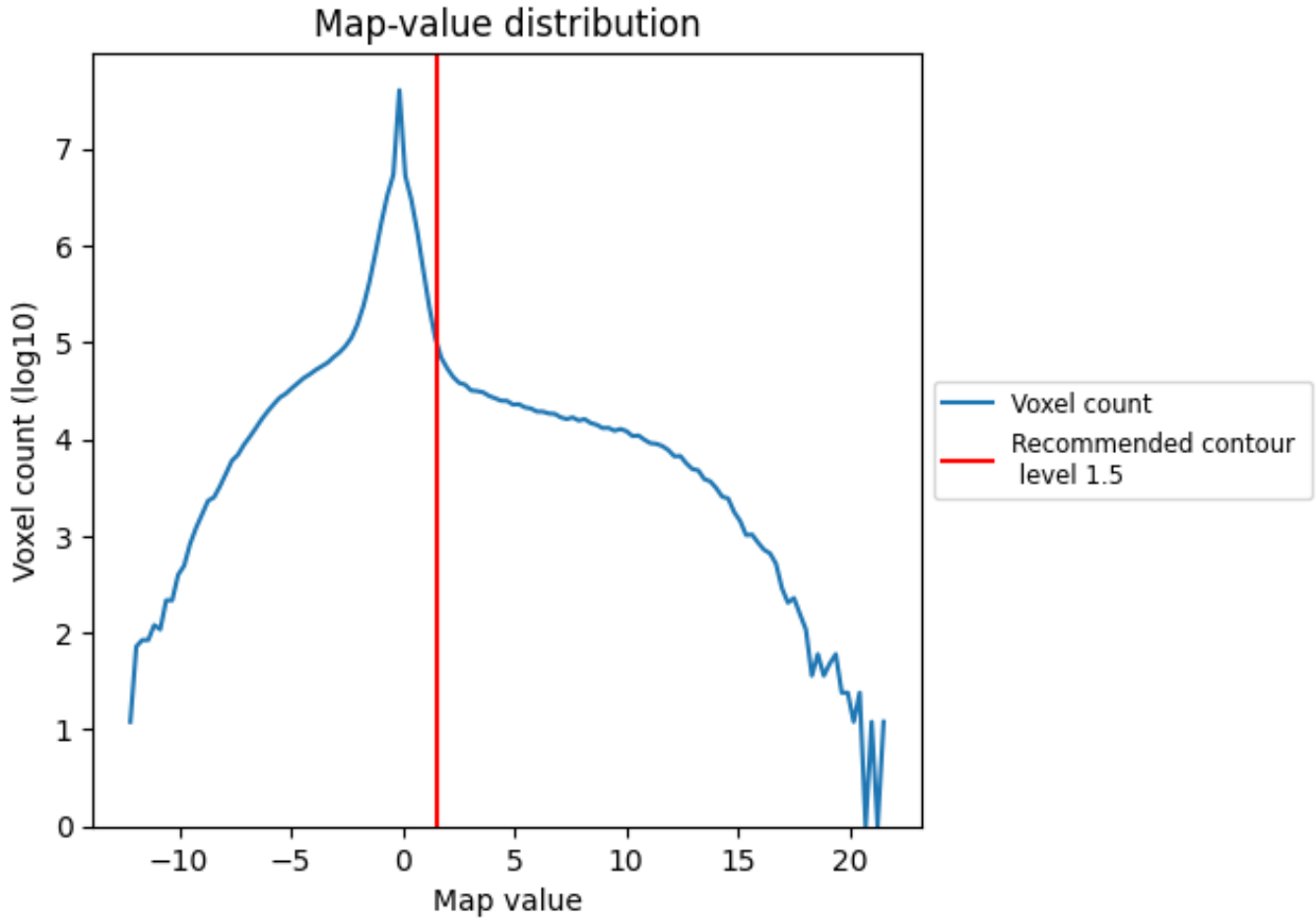
6.6 Mask visualisation (i)

This section was not generated. No masks/segmentation were deposited.

7 Map analysis

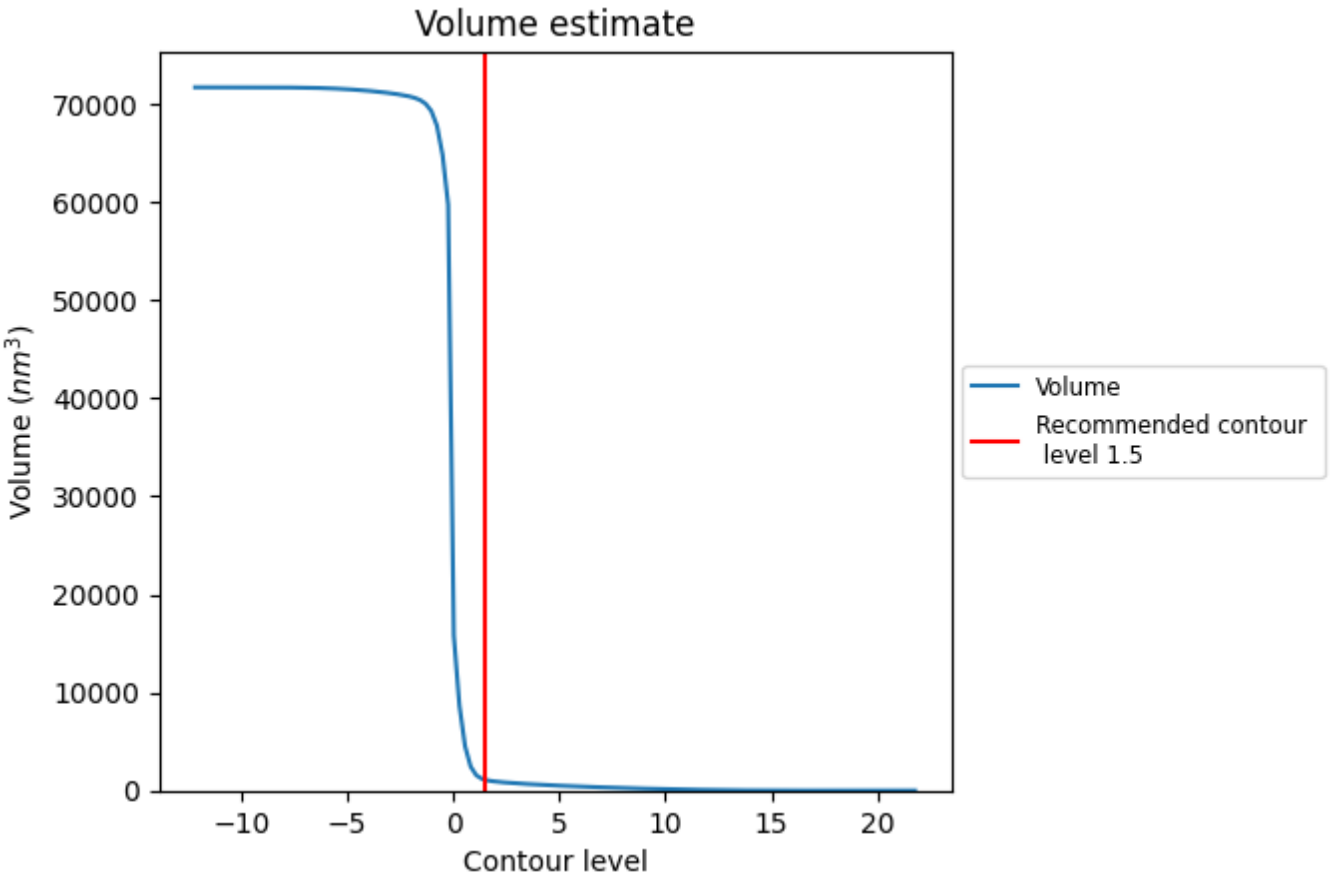
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution



The map-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic. A spike in this graph at zero usually indicates that the volume has been masked.

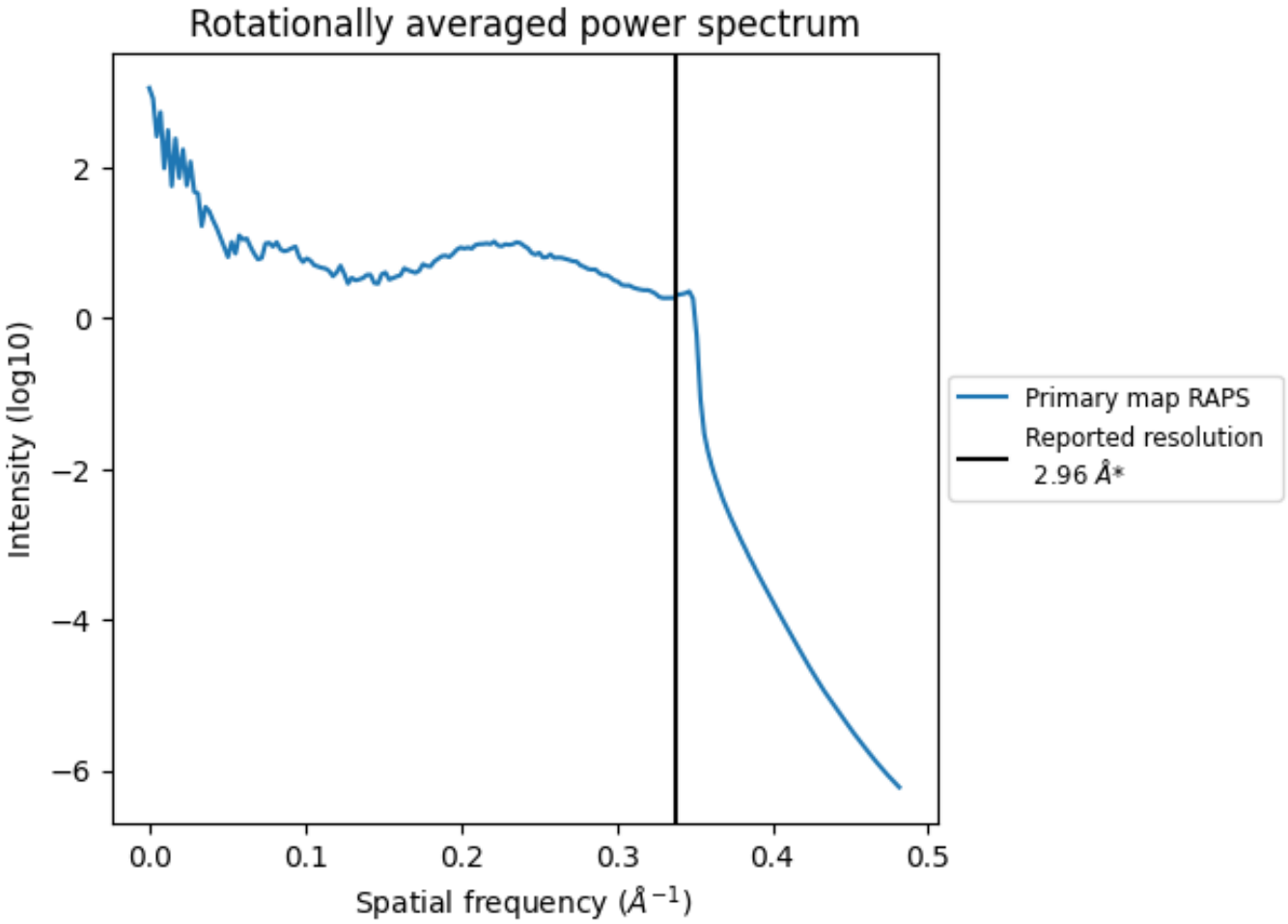
7.2 Volume estimate



The volume at the recommended contour level is 1106 nm^3; this corresponds to an approximate mass of 999 kDa.

The volume estimate graph shows how the enclosed volume varies with the contour level. The recommended contour level is shown as a vertical line and the intersection between the line and the curve gives the volume of the enclosed surface at the given level.

7.3 Rotationally averaged power spectrum (i)



*Reported resolution corresponds to spatial frequency of 0.338 Å^{-1}

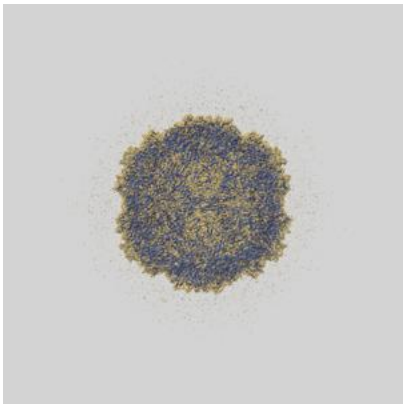
8 Fourier-Shell correlation

This section was not generated. No FSC curve or half-maps provided.

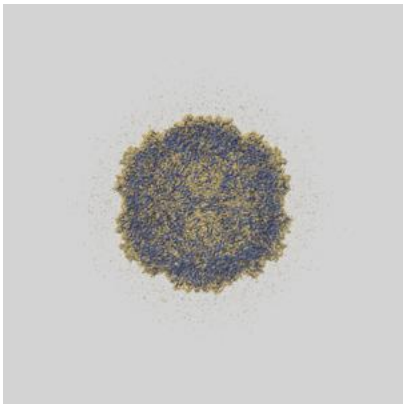
9 Map-model fit

This section contains information regarding the fit between EMDB map EMD-21667 and PDB model 6WH3. Per-residue inclusion information can be found in section 3 on page 12.

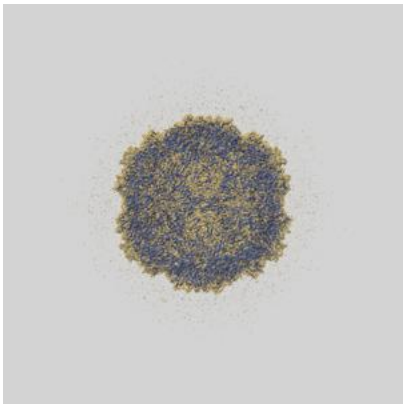
9.1 Map-model overlay



X



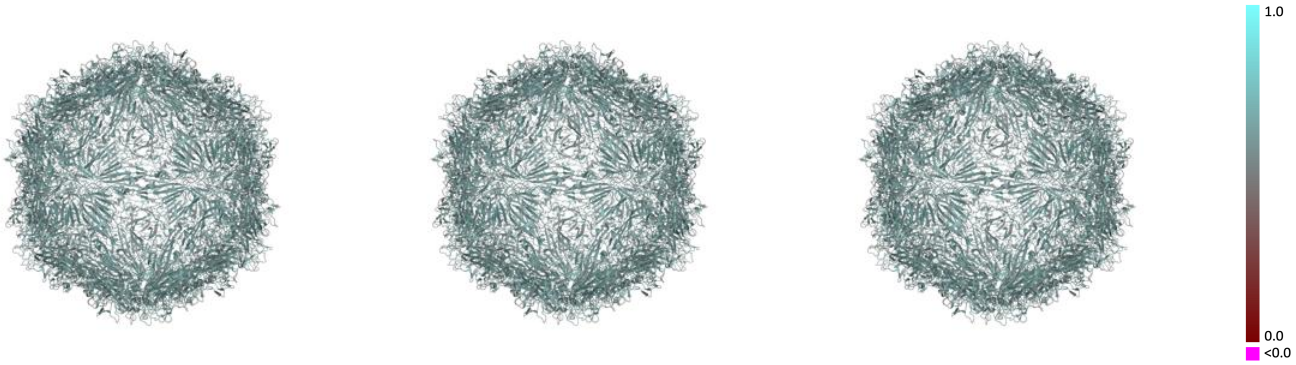
Y



Z

The images above show the 3D surface view of the map at the recommended contour level 1.5 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

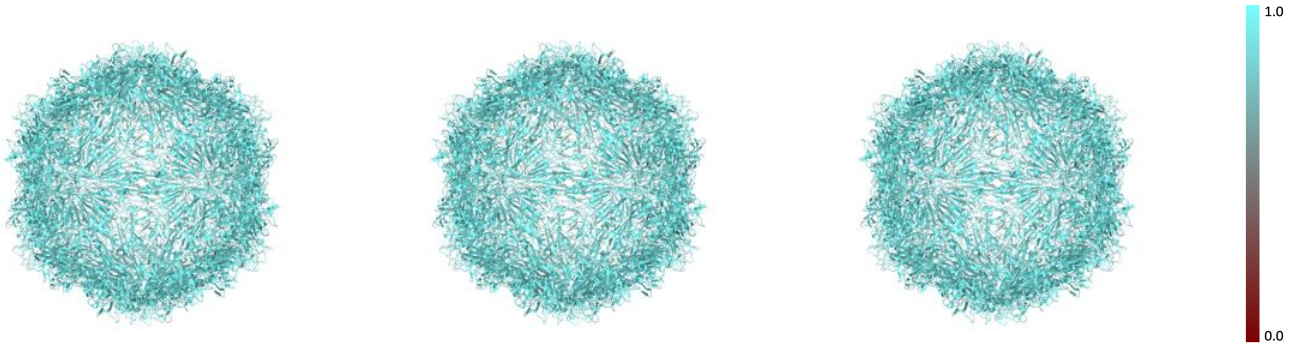
9.2 Q-score mapped to coordinate model



X Y Z

The images above show the model with each residue coloured according its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions at which atoms can be resolved. Low Q-score values may therefore be expected for many entries.

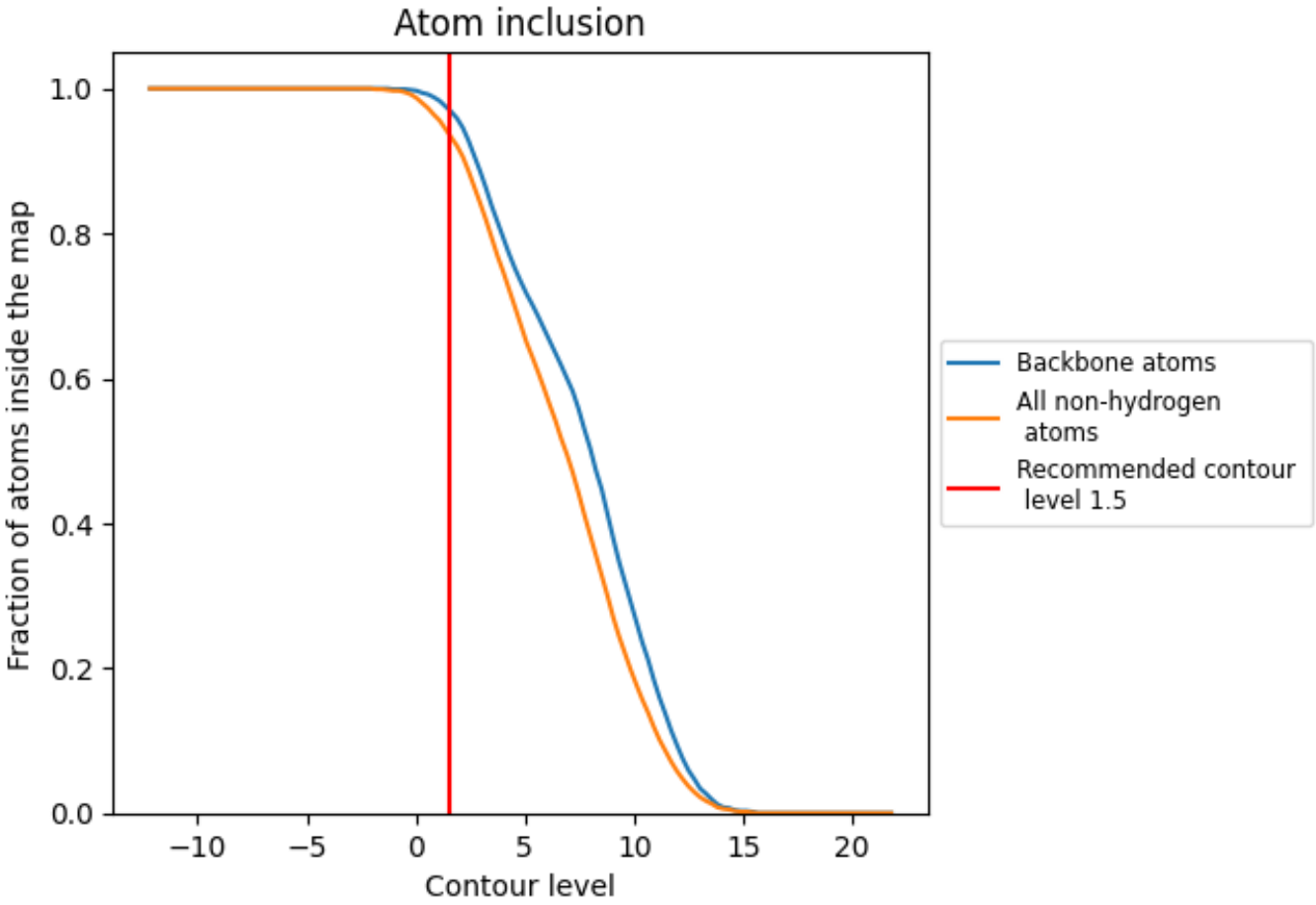
9.3 Atom inclusion mapped to coordinate model



X Y Z

The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (1.5).

9.4 Atom inclusion (i)



At the recommended contour level, 97% of all backbone atoms, 94% of all non-hydrogen atoms, are inside the map.

9.5 Map-model fit summary

The table lists the average atom inclusion at the recommended contour level (1.5) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	0.9380	0.5940
1	0.9390	0.5930
2	0.9370	0.5930
3	0.9400	0.5930
4	0.9390	0.5930
5	0.9390	0.5940
6	0.9390	0.5940
7	0.9380	0.5950
8	0.9390	0.5930
A	0.9400	0.5930
B	0.9380	0.5940
C	0.9350	0.5940
D	0.9390	0.5940
E	0.9370	0.5940
F	0.9400	0.5940
G	0.9370	0.5930
H	0.9380	0.5970
I	0.9360	0.5940
J	0.9380	0.5950
K	0.9360	0.5940
L	0.9380	0.5940
M	0.9370	0.5940
N	0.9390	0.5940
O	0.9370	0.5940
P	0.9380	0.5940
Q	0.9360	0.5950
R	0.9380	0.5960
S	0.9380	0.5940
T	0.9360	0.5940
U	0.9380	0.5940
V	0.9360	0.5950
W	0.9390	0.5940
X	0.9370	0.5950
Y	0.9390	0.5940
Z	0.9370	0.5940

Continued on next page...

Continued from previous page...

Chain	Atom inclusion	Q-score
a	0.9360	0.5930
b	0.9370	0.5950
c	0.9390	0.5950
d	0.9380	0.5960
e	0.9390	0.5930
f	0.9370	0.5940
g	0.9360	0.5950
h	0.9380	0.5920
i	0.9370	0.5940
j	0.9360	0.5950
k	0.9380	0.5950
l	0.9380	0.5950
m	0.9380	0.5940
n	0.9370	0.5930
o	0.9360	0.5950
p	0.9390	0.5930
q	0.9370	0.5920
r	0.9360	0.5930
s	0.9400	0.5930
t	0.9380	0.5940
u	0.9380	0.5950
v	0.9380	0.5950
w	0.9390	0.5950
x	0.9360	0.5940
y	0.9380	0.5950
z	0.9390	0.5930